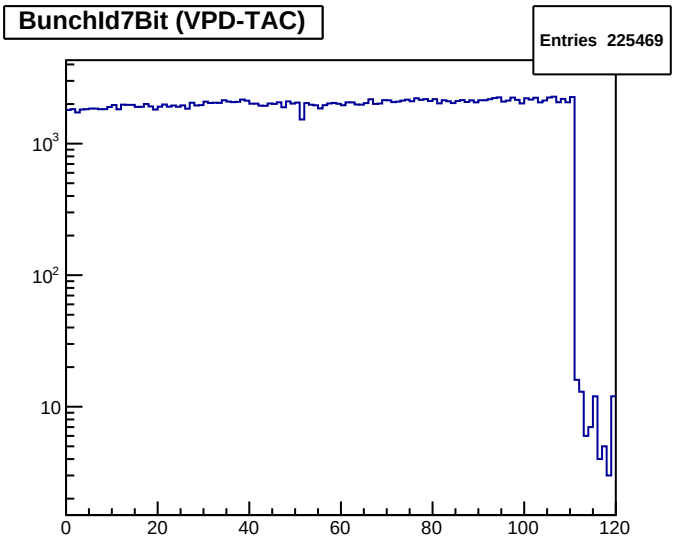
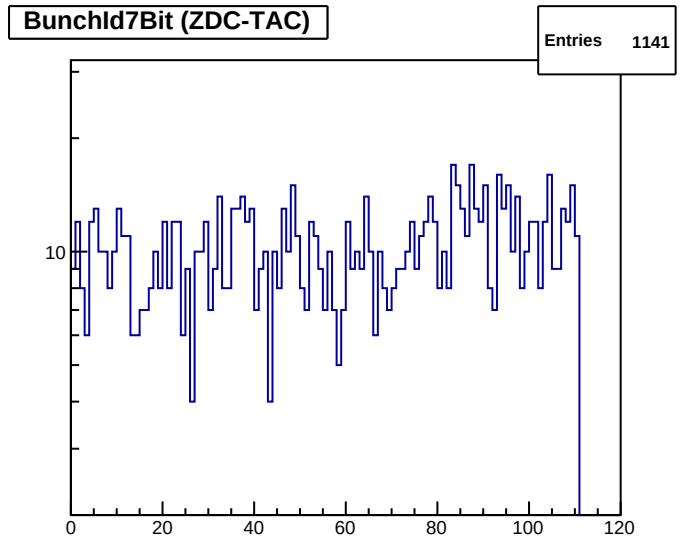
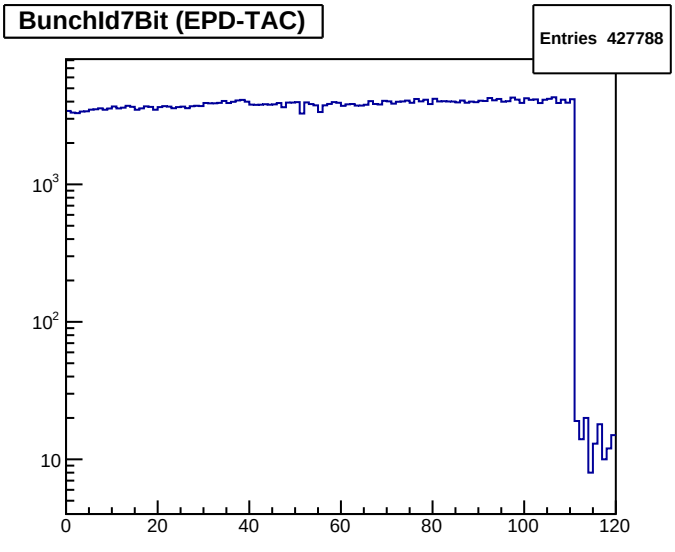
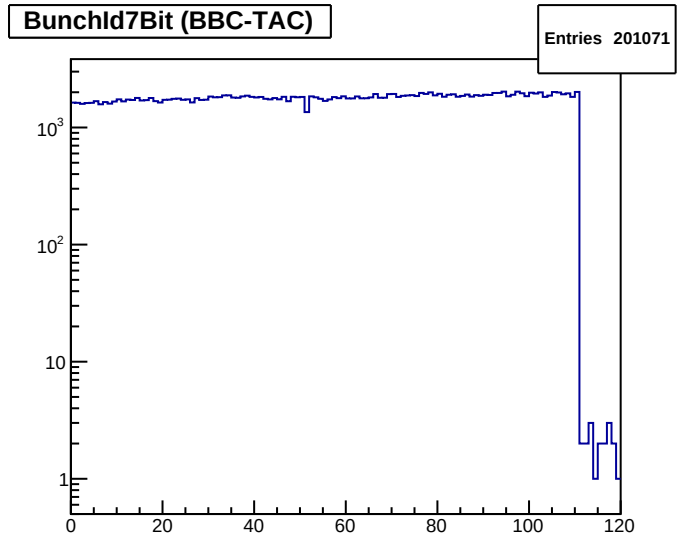
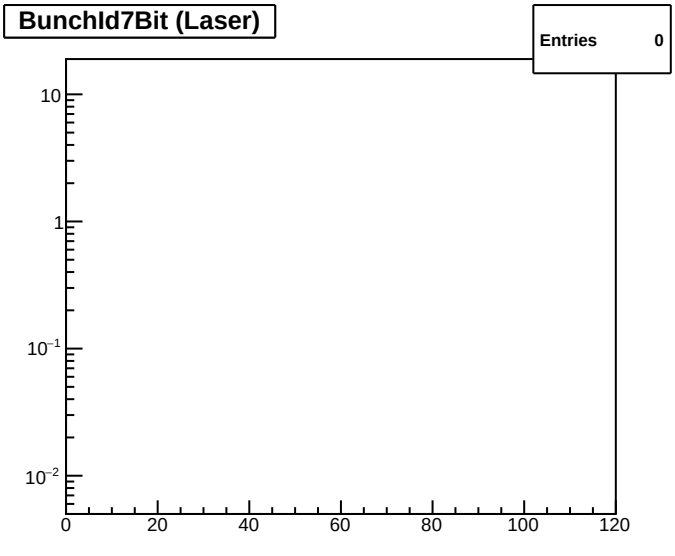
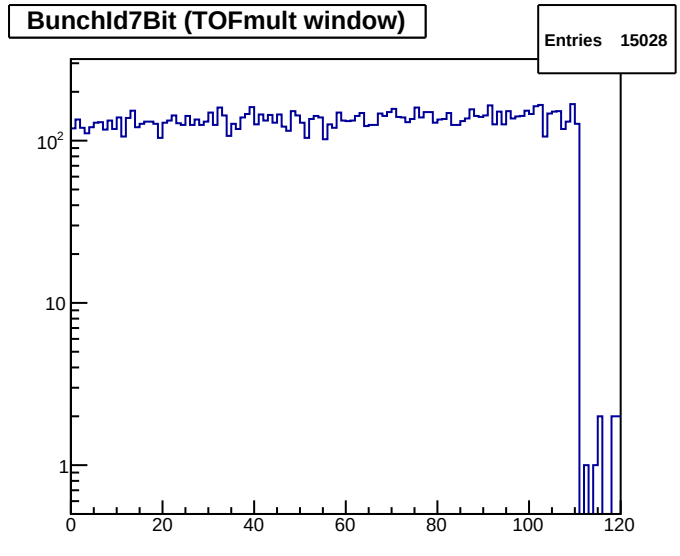

BunchId7Bit (VPD-TAC)
Entries 225469
10^3
10^2
10
0 20 40 60 80 100 120

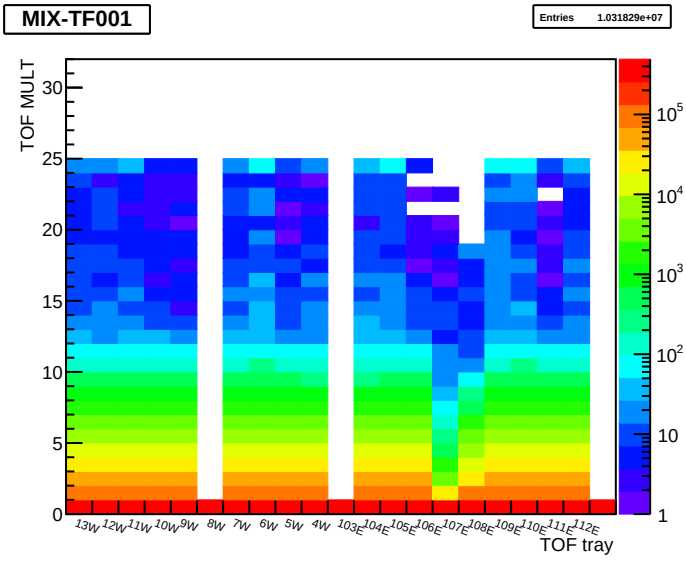

BunchId7Bit (ZDC-TAC)
Entries 1141
10
0 20 40 60 80 100 120

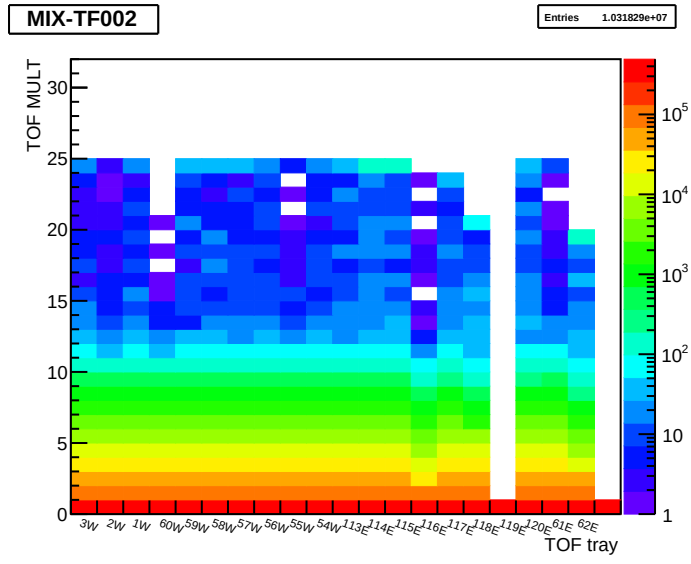

BunchId7Bit (EPD-TAC)
Entries 427788
10^3
10^2
10
0 20 40 60 80 100 120

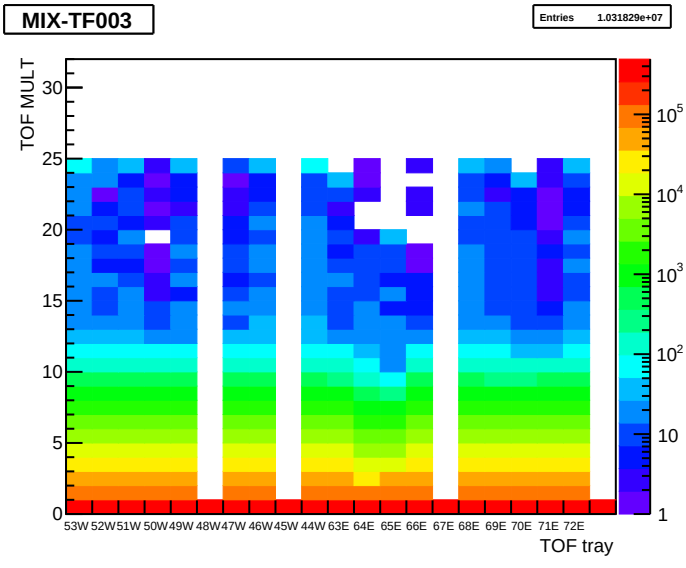

BunchId7Bit (BBC-TAC)
Entries 201071
10^3
10^2
10
1
0 20 40 60 80 100 120

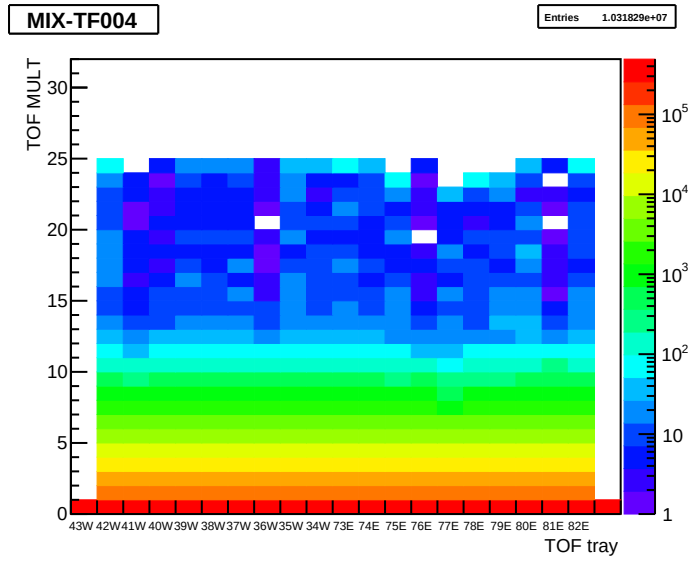

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

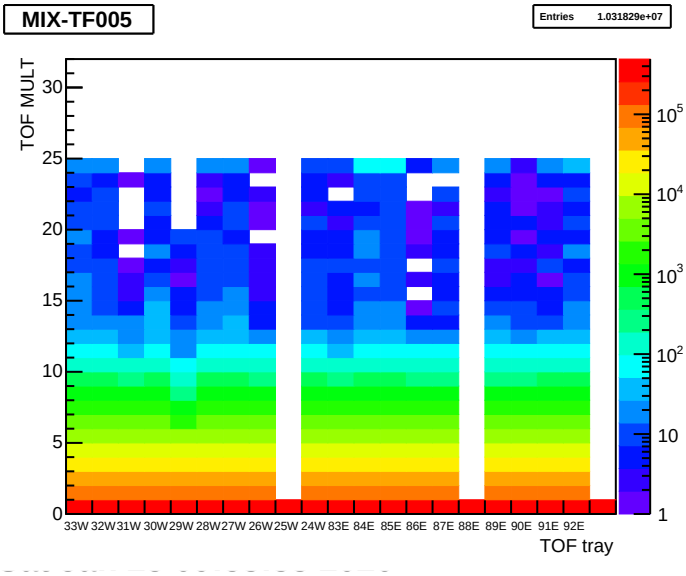

BunchId7Bit (TOFmult window)
Entries 15028
10^2
10
1
0 20 40 60 80 100 120

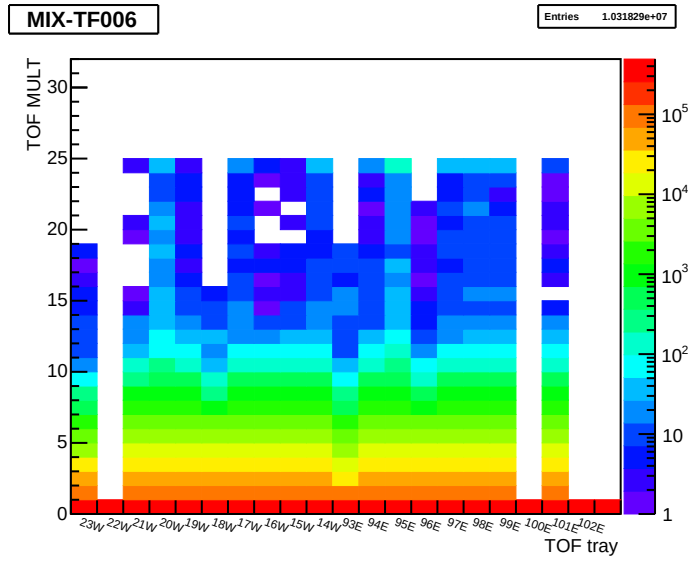

MIX-TF001
Entries 1.031829e+07
TOF MULT
TOF tray

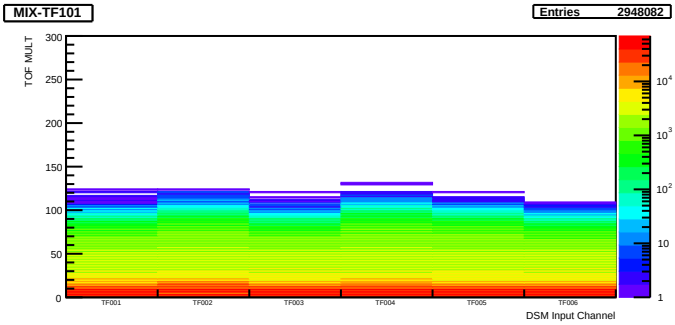

MIX-TF002
Entries 1.031829e+07
TOF MULT
TOF tray

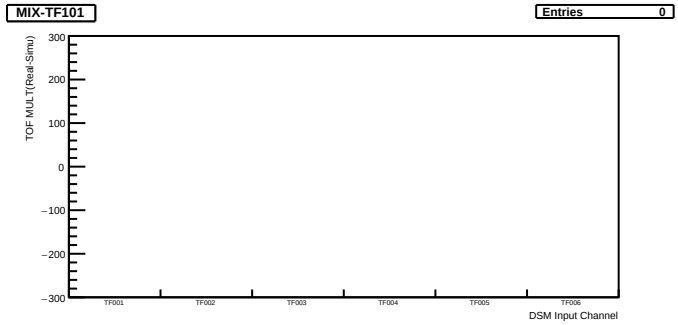

MIX-TF003
Entries 1.031829e+07
TOF MULT
TOF tray

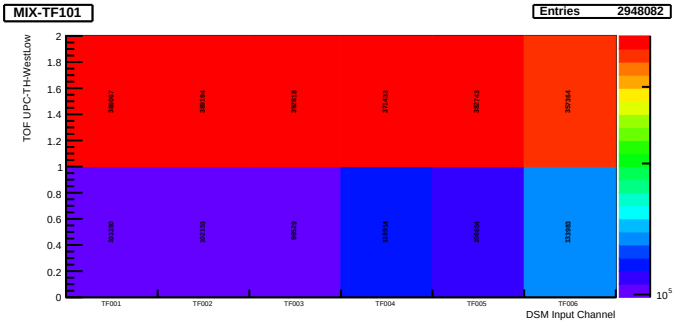

MIX-TF004
Entries 1.031829e+07
TOF MULT
TOF tray

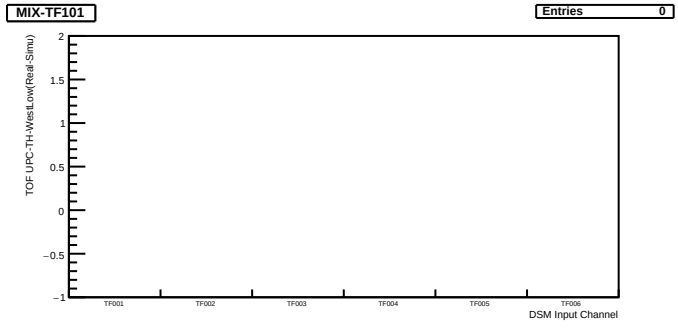

MIX-TF005
Entries 1.031829e+07
TOF MULT
TOF tray

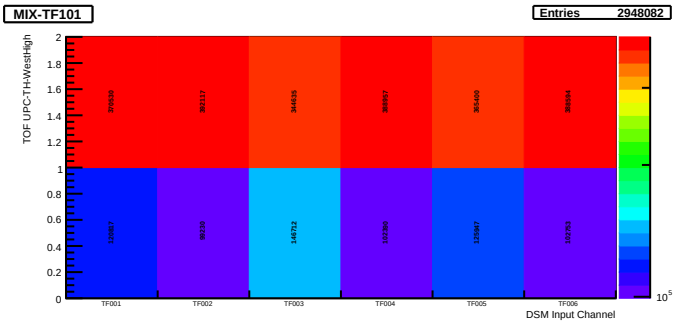

MIX-TF006
Entries 1.031829e+07
TOF MULT
TOF tray

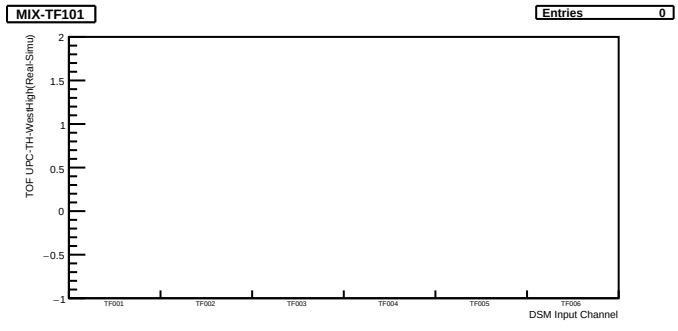

MIX-TF101
Entries 2948082
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

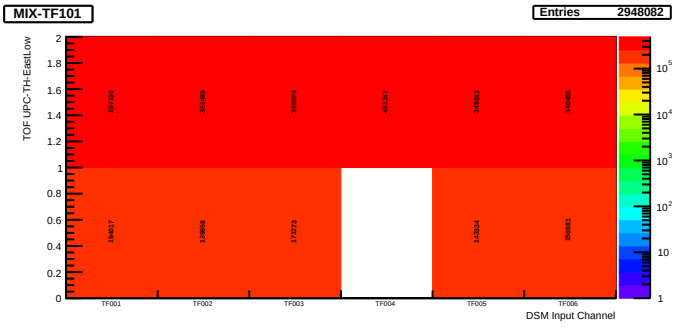

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

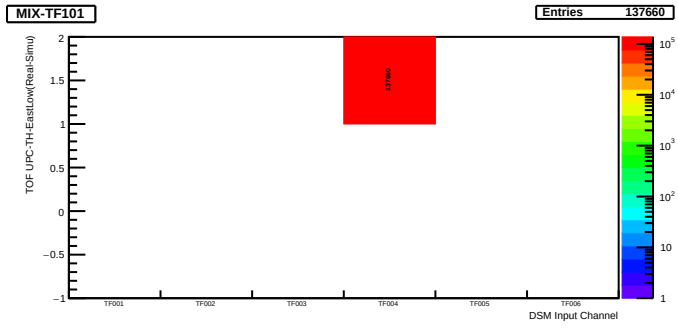

MIX-TF101
Entries 2948082
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

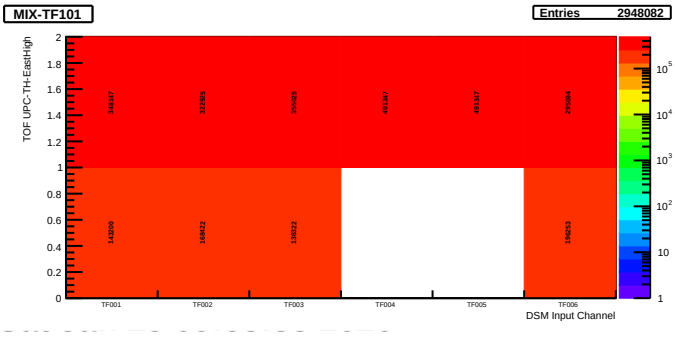

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

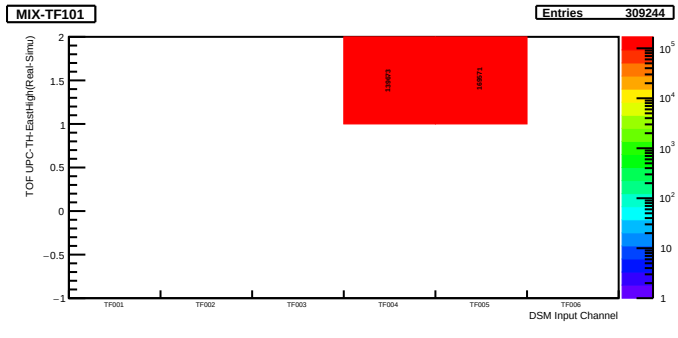

MIX-TF101
Entries 2948082
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

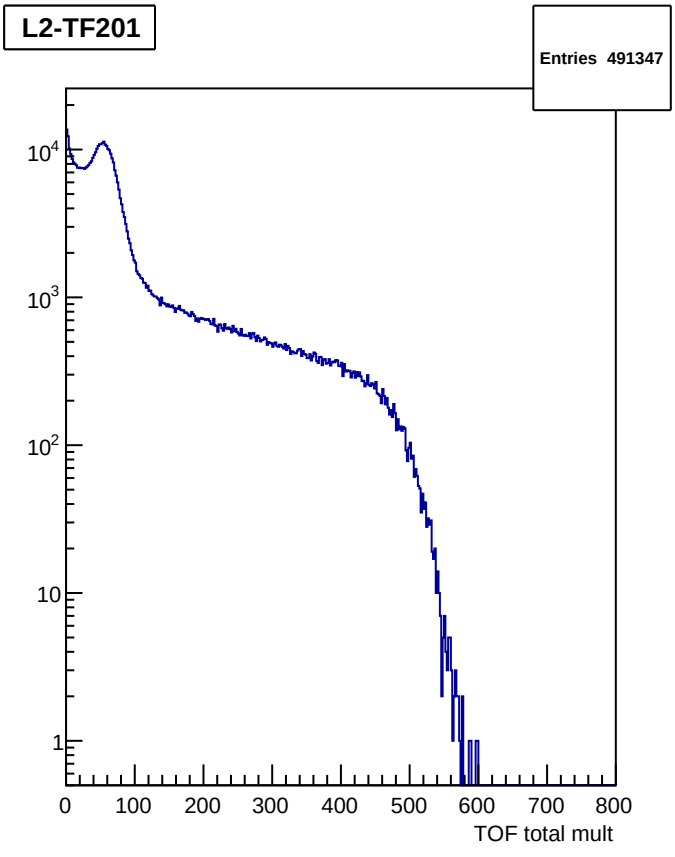

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

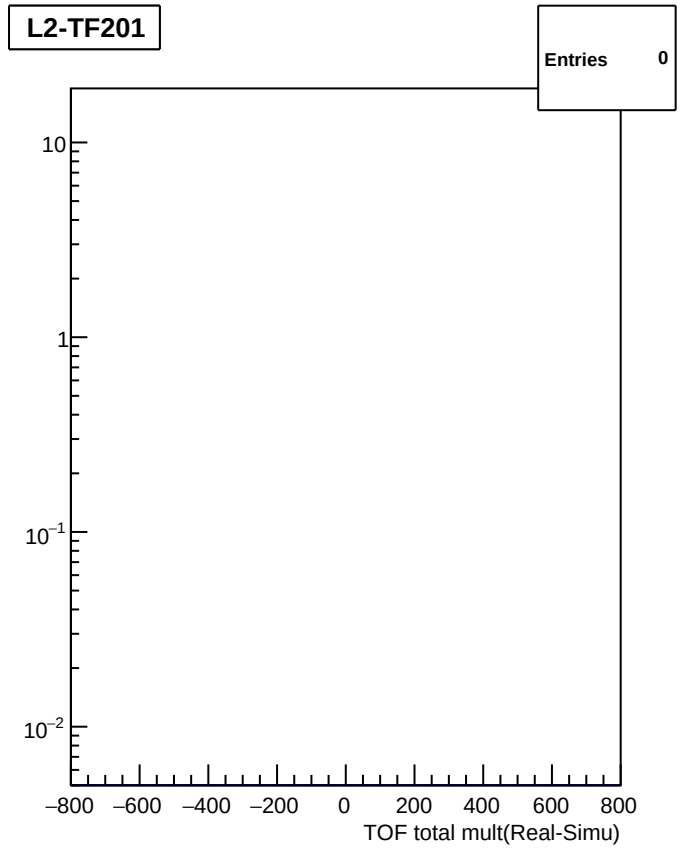

MIX-TF101
Entries 2948082
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

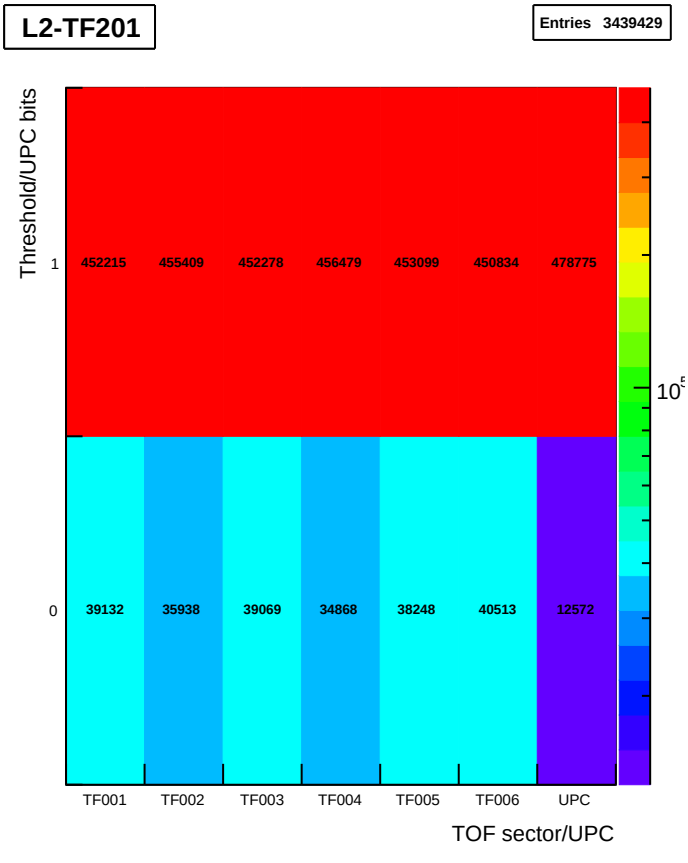

MIX-TF101
Entries 137660
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

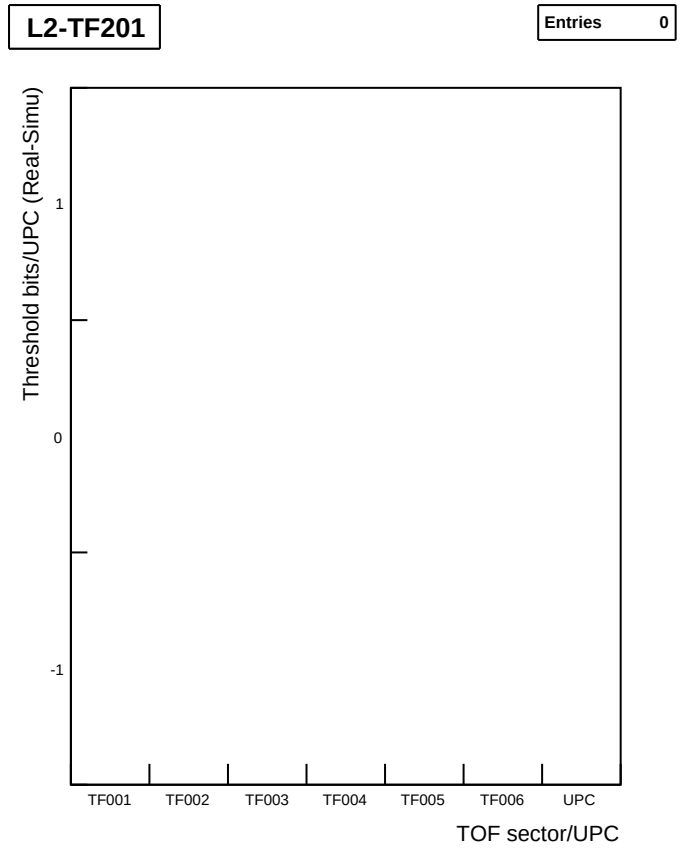

MIX-TF101
Entries 2948082
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

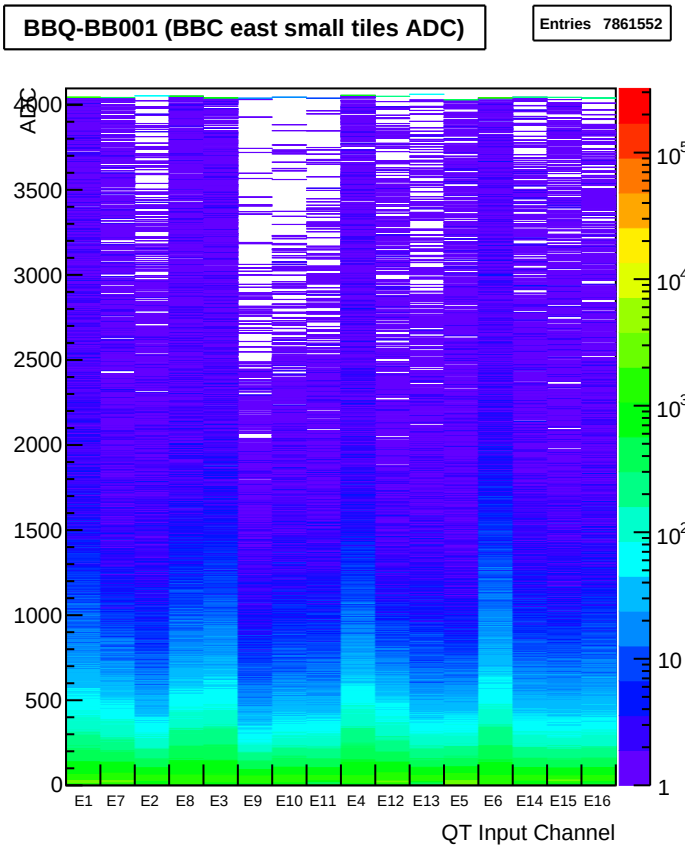

MIX-TF101
Entries 309244
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

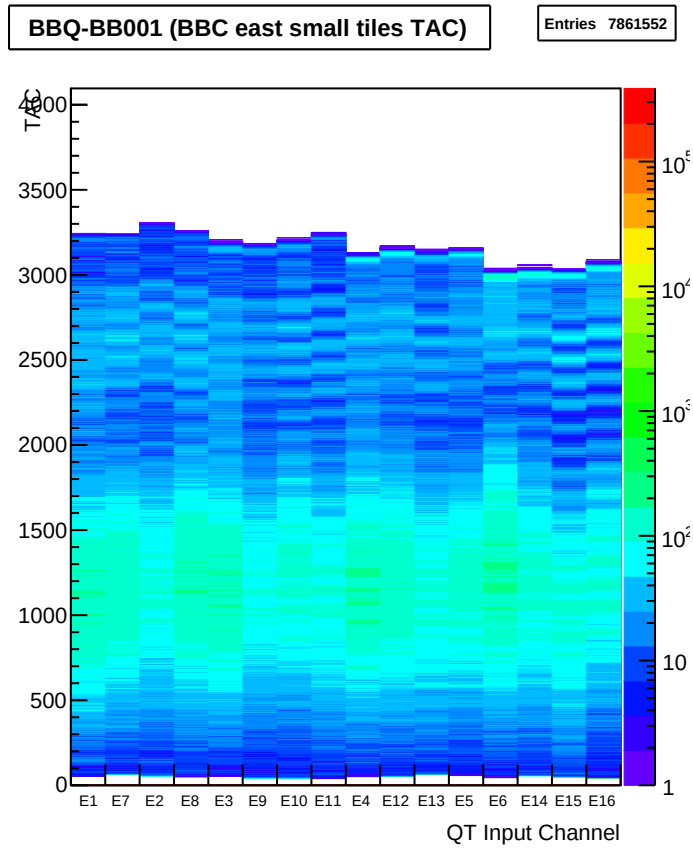

L2-TF201
Entries 491347
TOF total mult

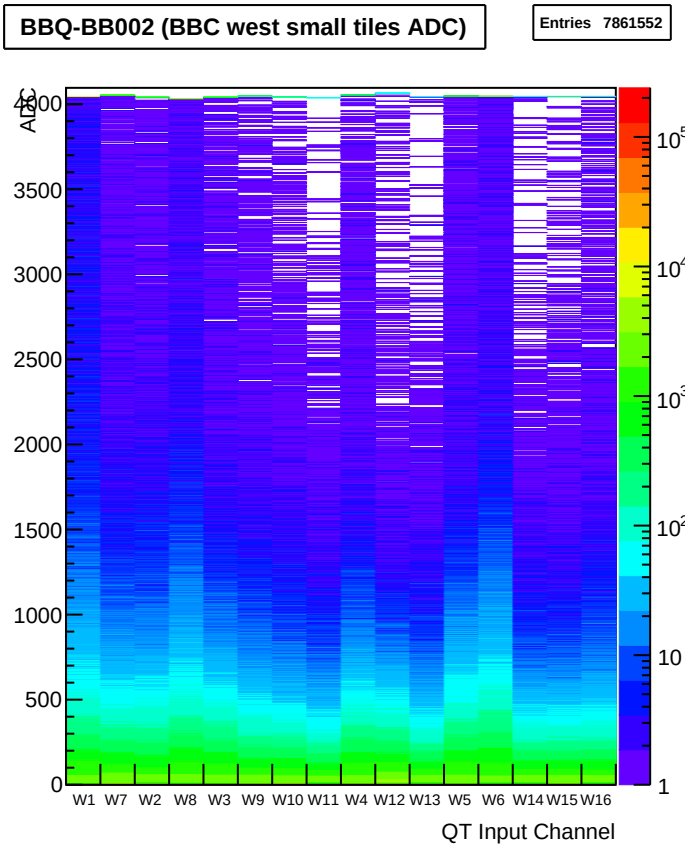

L2-TF201
Entries 0
TOF total mult(Real-Simu)

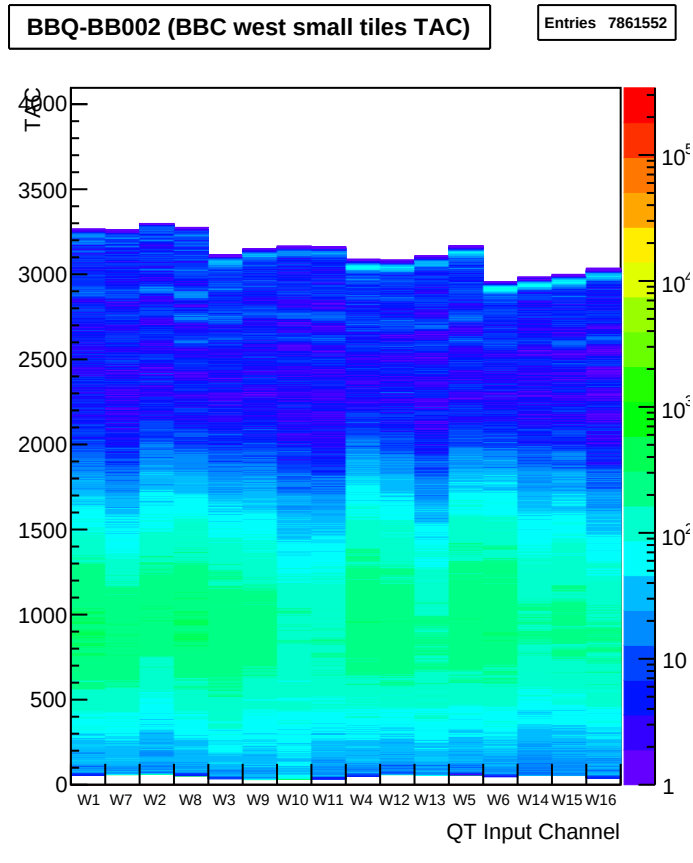

L2-TF201
Entries 3439429
Threshold/UPC bits
452215
455409
452278
456479
453099
450834
478775
39132
35938
39069
34868
38248
40513
12572
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

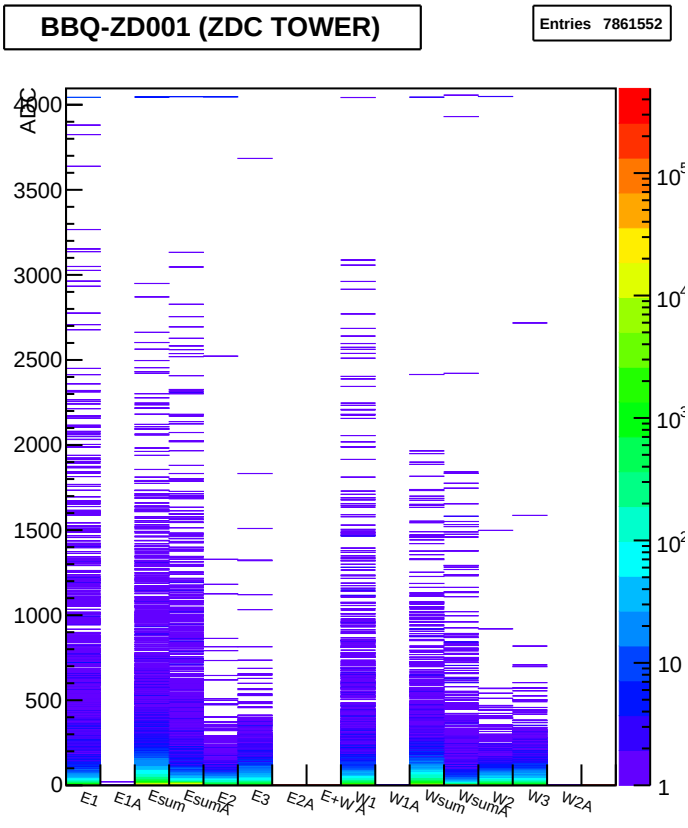

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

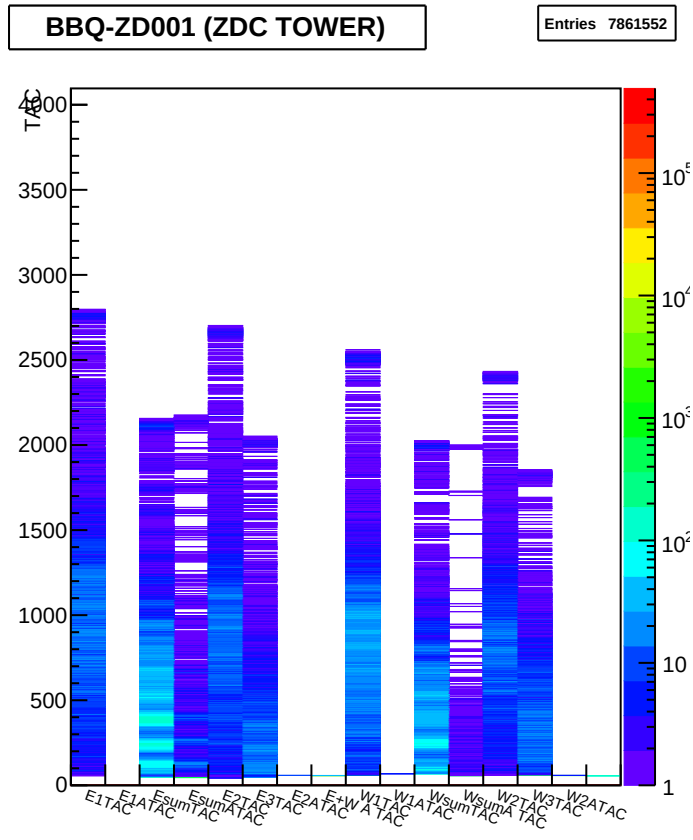

BBQ-BB001 (BBC east small tiles ADC)
Entries 7861552
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

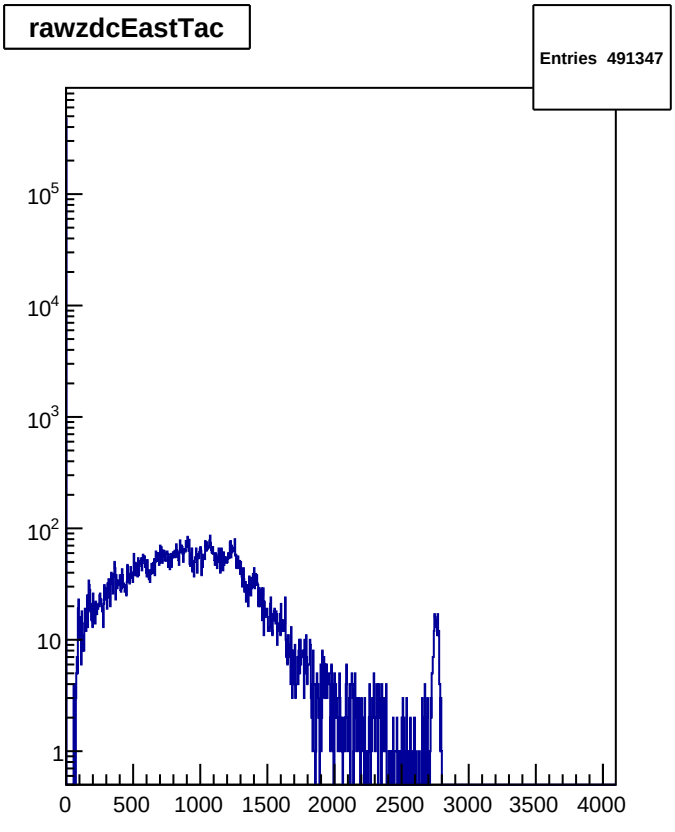

BBQ-BB001 (BBC east small tiles TAC)
Entries 7861552
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

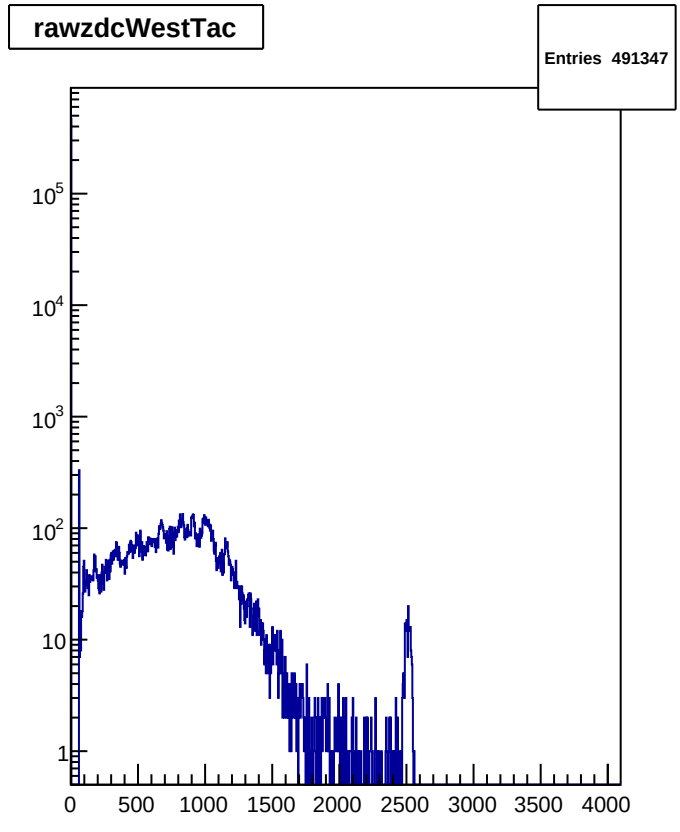

BBQ-BB002 (BBC west small tiles ADC)
Entries 7861552
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

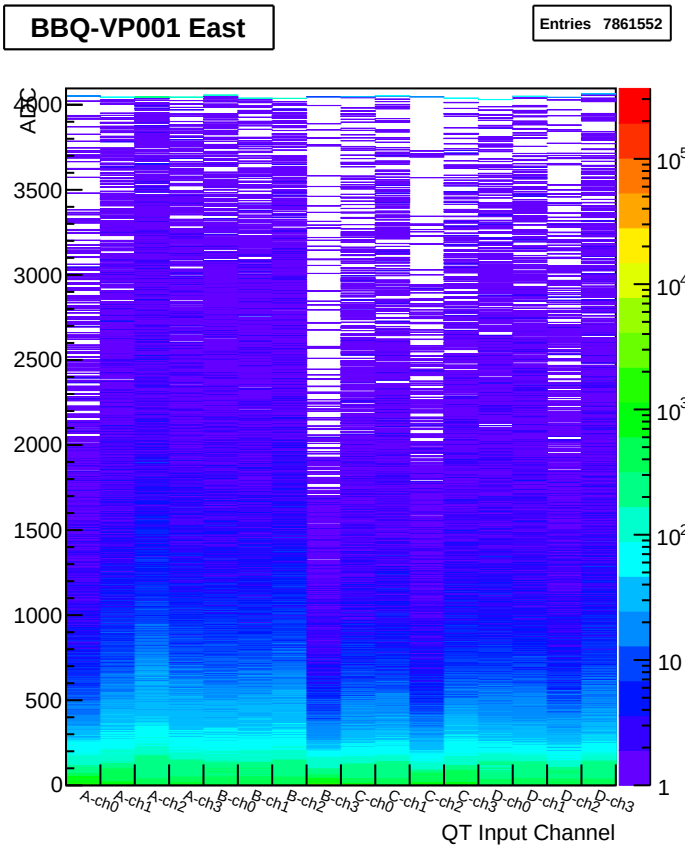

BBQ-BB002 (BBC west small tiles TAC)
Entries 7861552
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

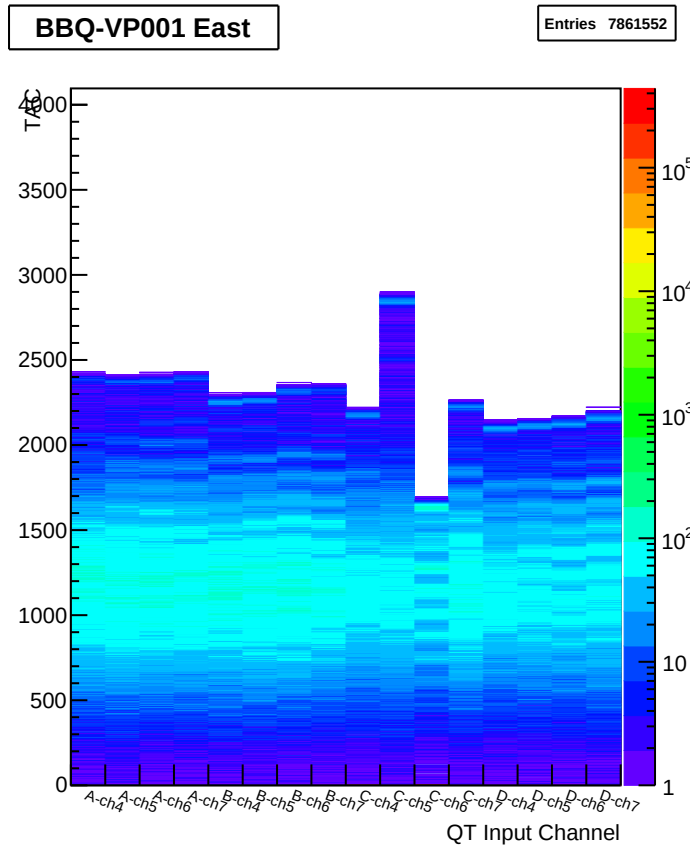

BBQ-ZD001 (ZDC TOWER)
Entries 7861552
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

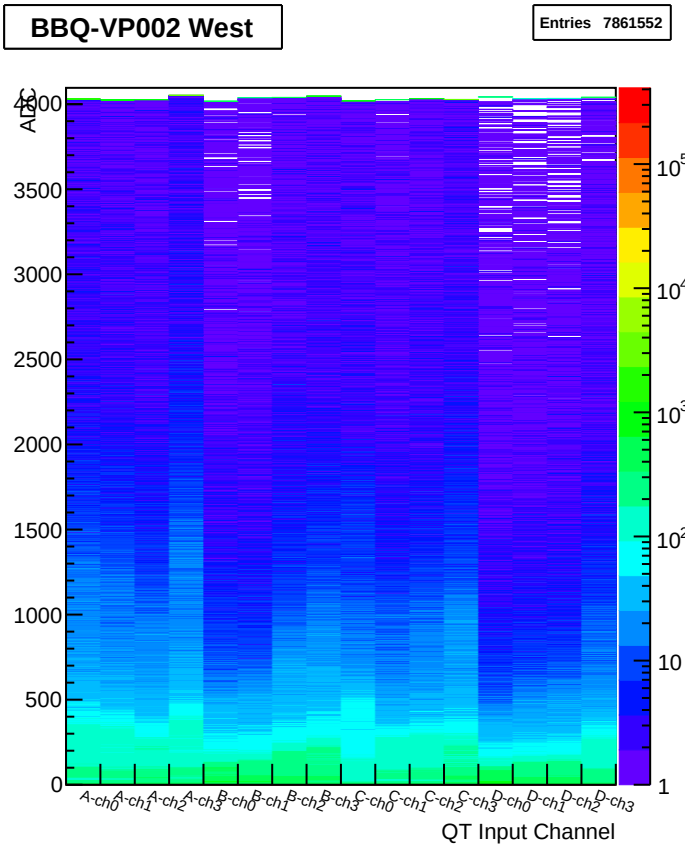

BBQ-ZD001 (ZDC TOWER)
Entries 7861552
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

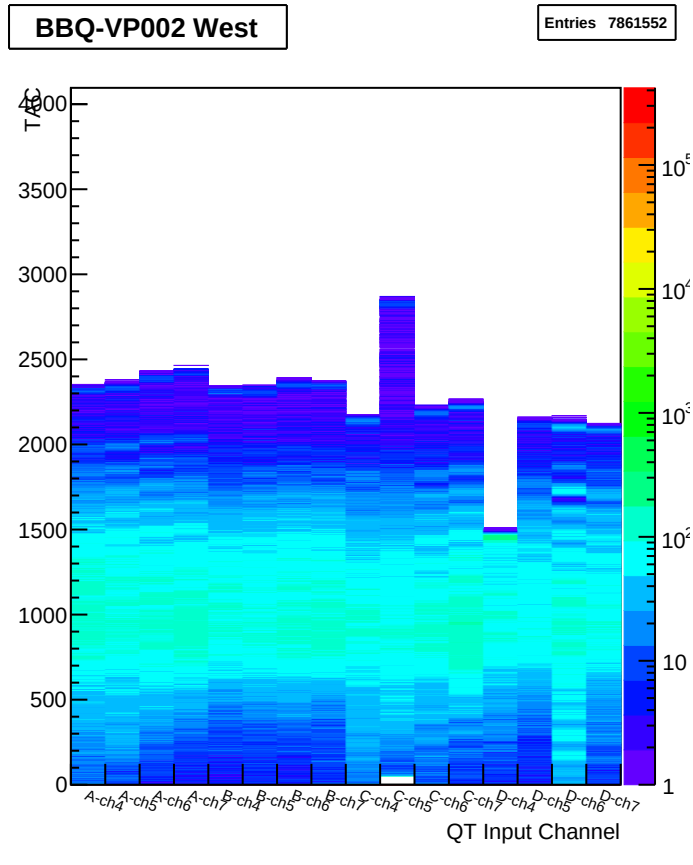

rawzdcEastTac
Entries 491347

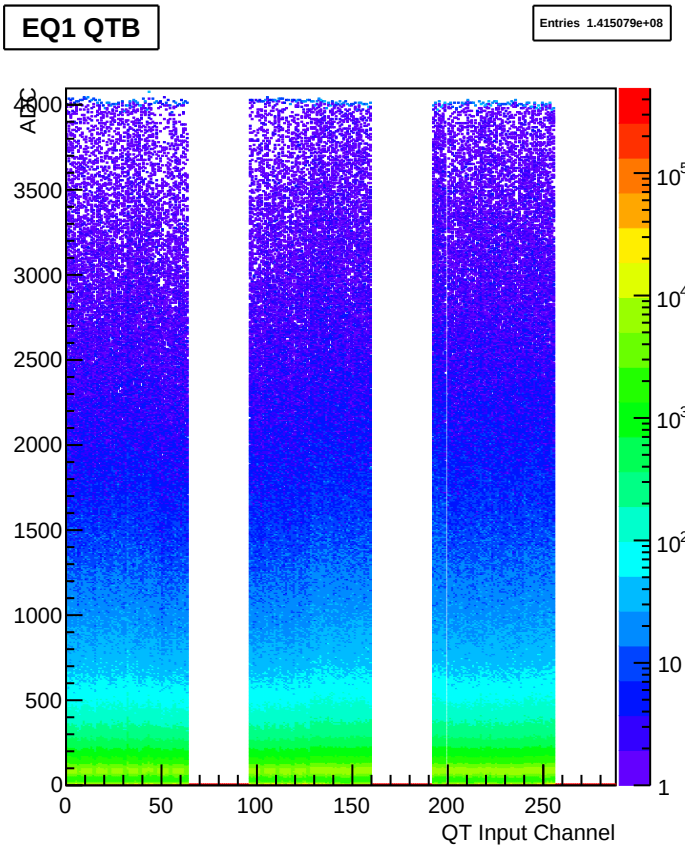

rawzdcWestTac
Entries 491347

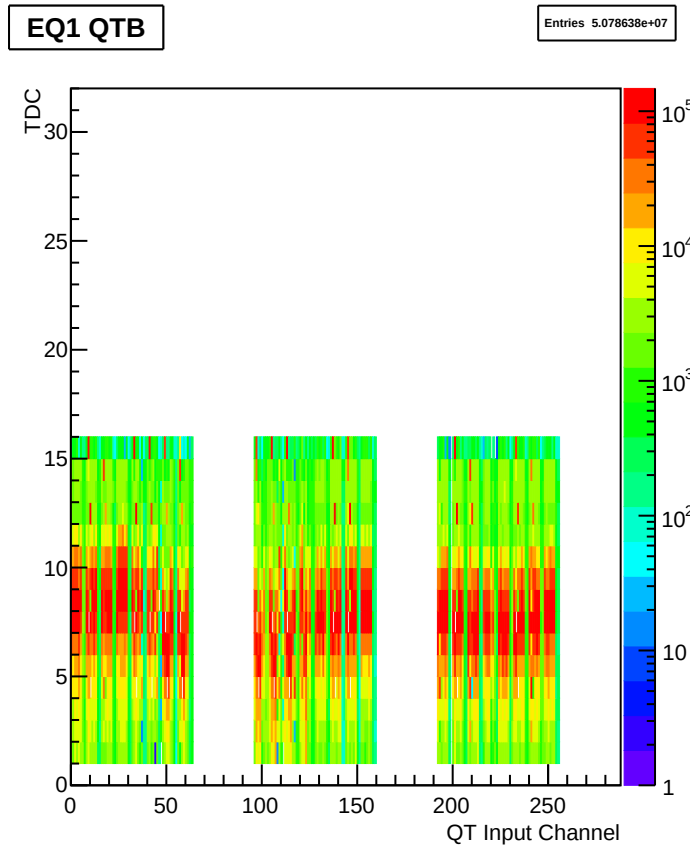

BBQ-VP001 East
Entries 7861552
ADC
QT Input Channel

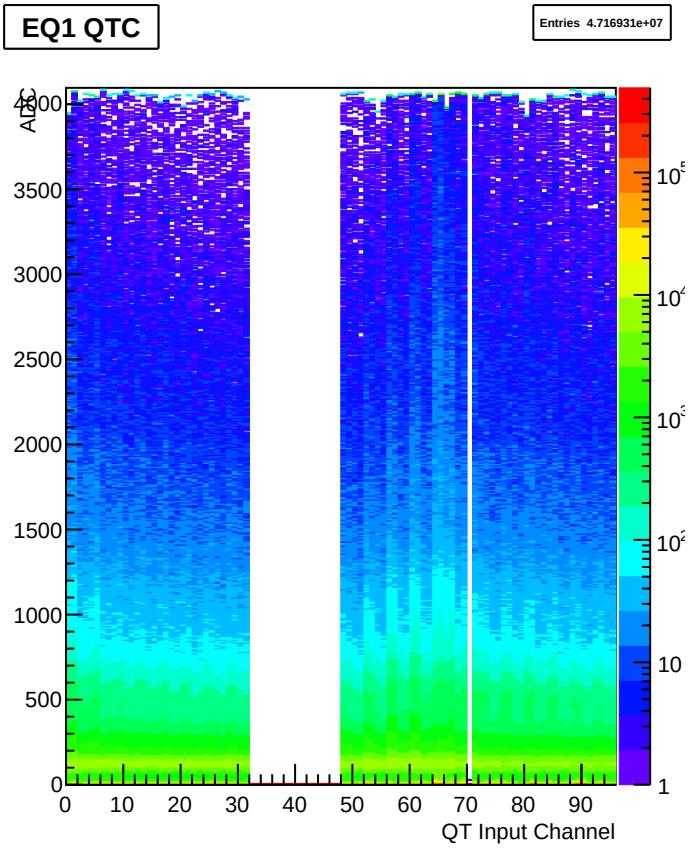

BBQ-VP001 East
Entries 7861552
TAC
QT Input Channel

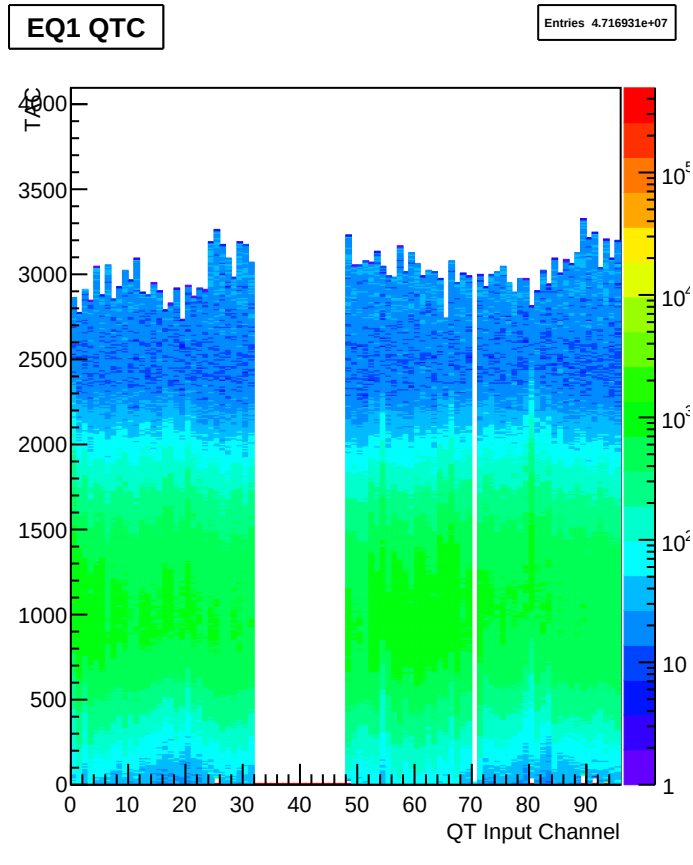

BBQ-VP002 West
Entries 7861552
ADC
QT Input Channel

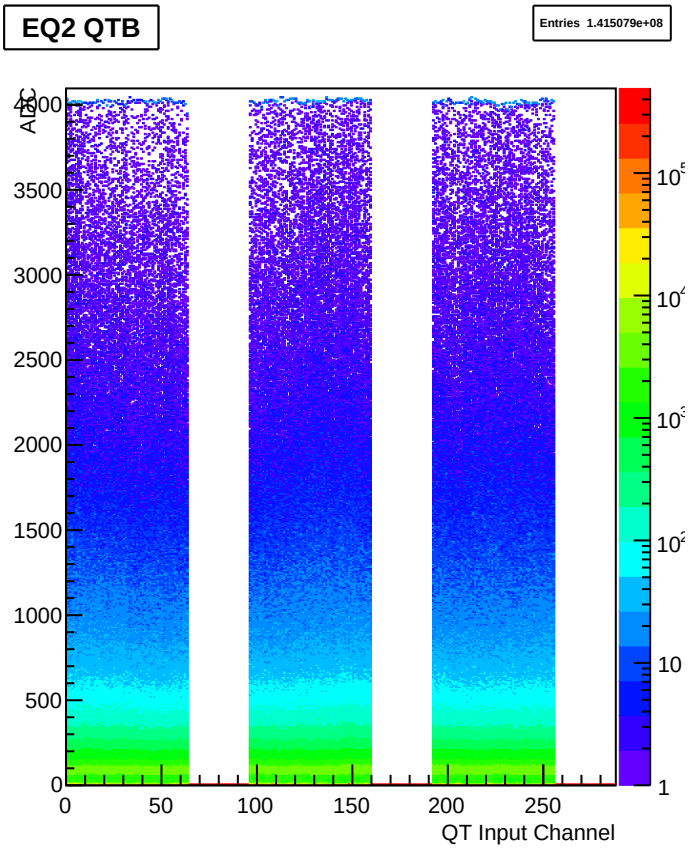

BBQ-VP002 West
Entries 7861552
TAC
QT Input Channel

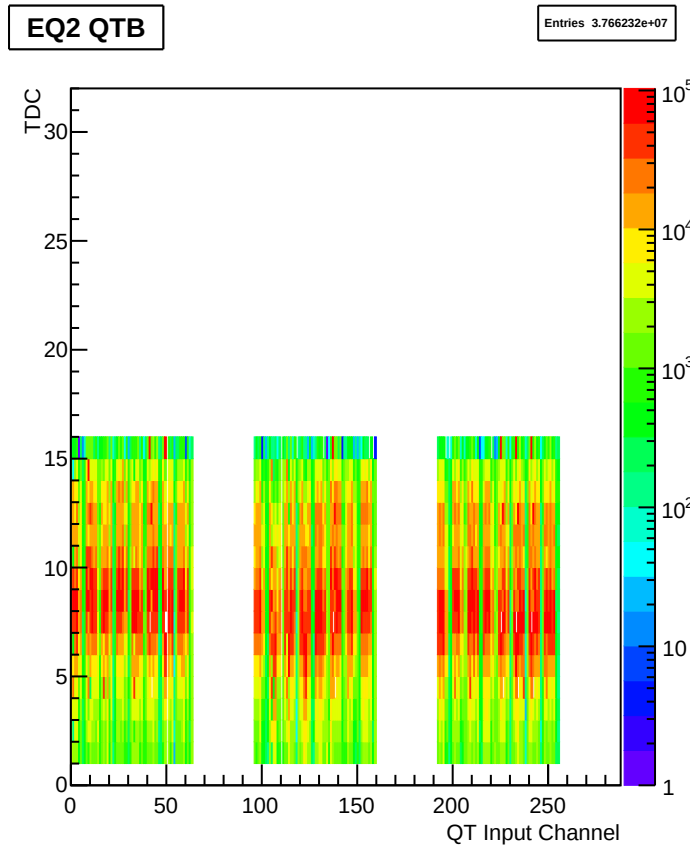

EQ1 QTB
Entries 1.415079e+08
ADC
QT Input Channel

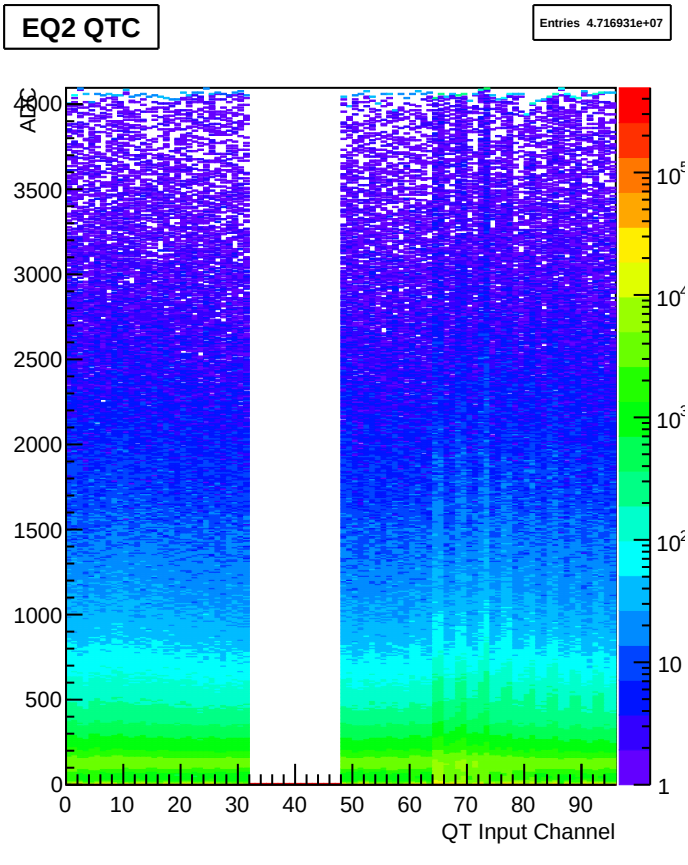

EQ1 QTB
Entries 5.078638e+07
TDC
QT Input Channel

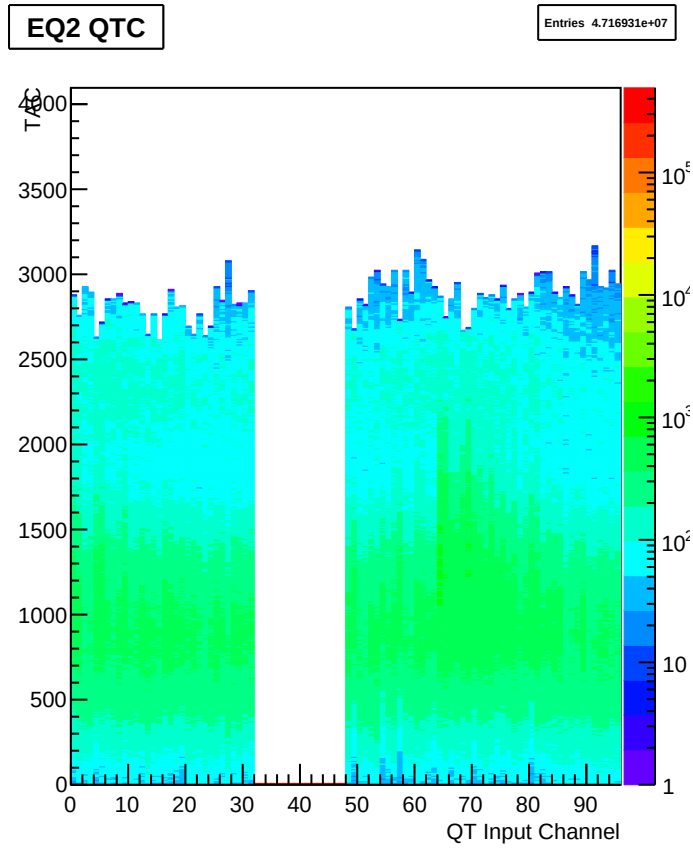

EQ1 QTC
Entries 4.716931e+07
ADC
QT Input Channel

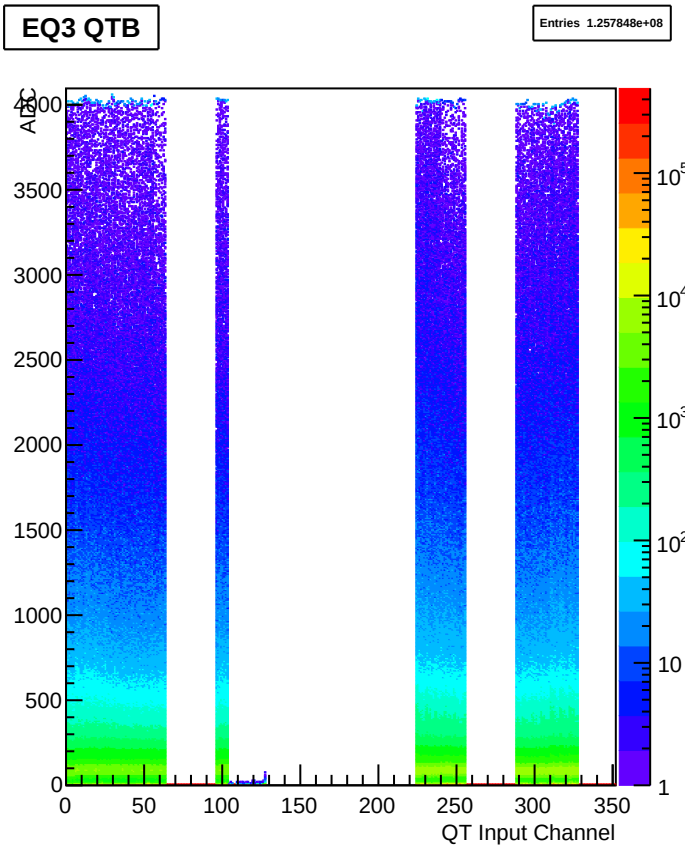

EQ1 QTC
Entries 4.716931e+07
TADC
QT Input Channel

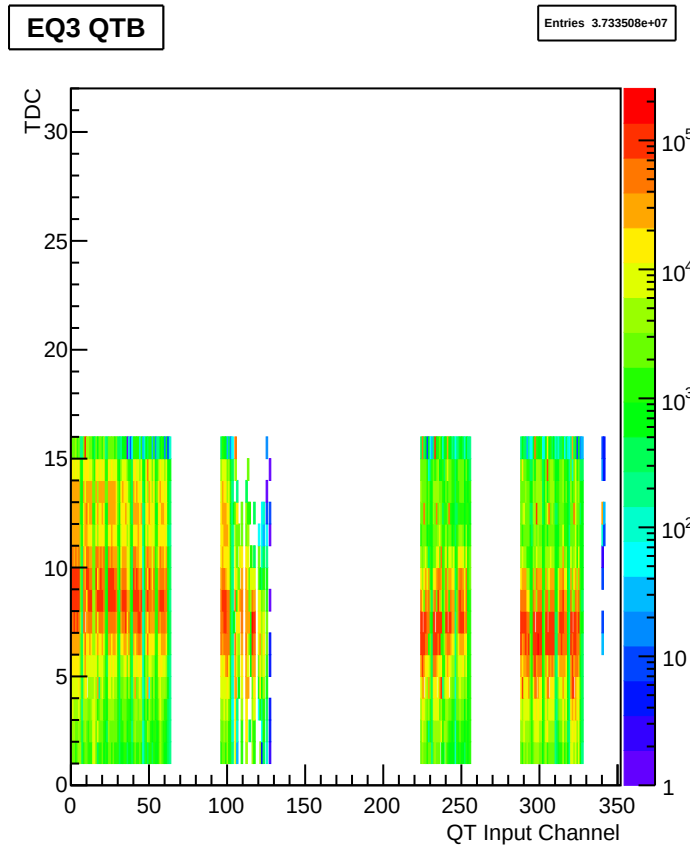

EQ2 QTB
Entries 1.415079e+08
ADC
QT Input Channel

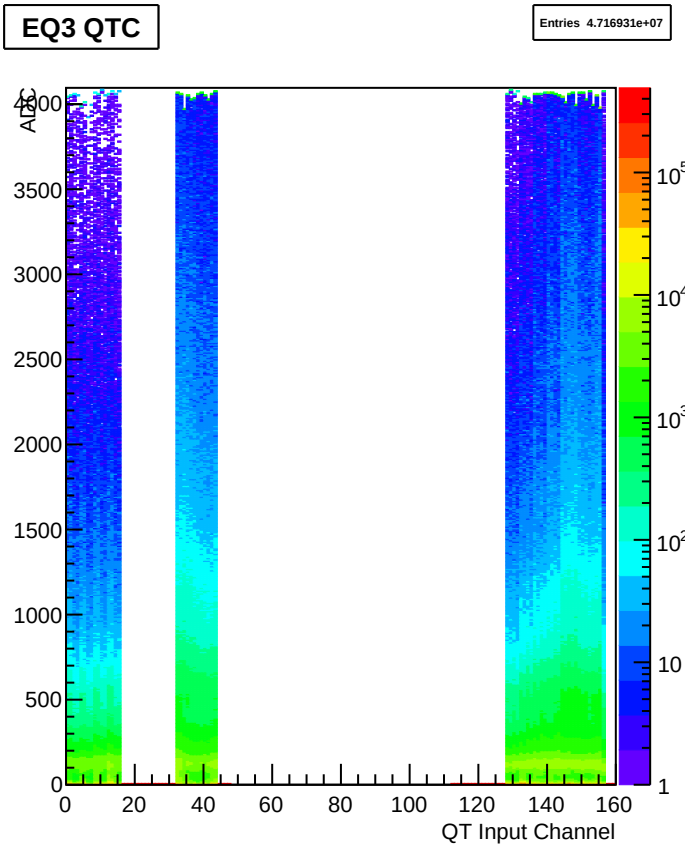

EQ2 QTB
Entries 3.766232e+07
TDC
QT Input Channel

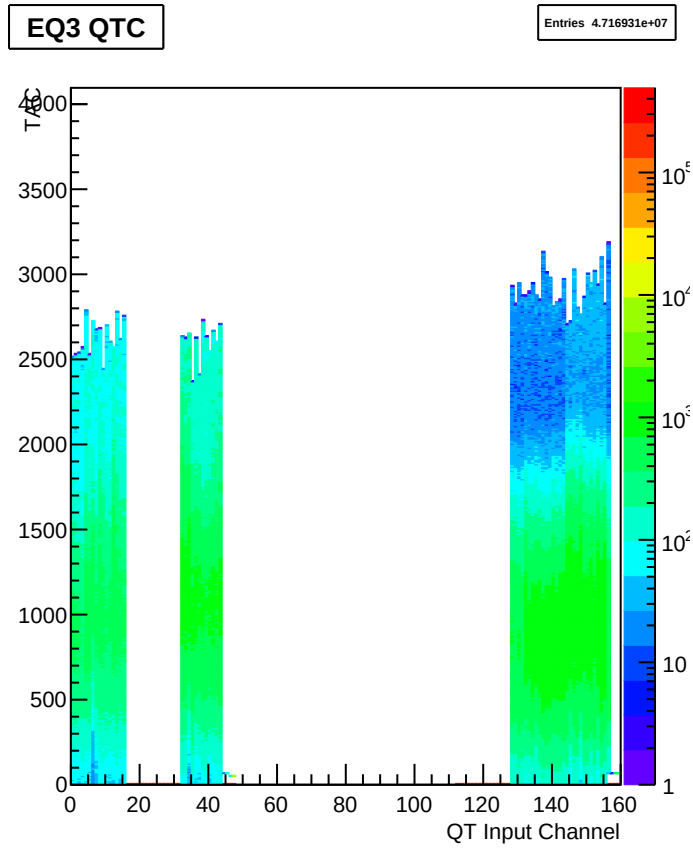

EQ2 QTC
Entries 4.716931e+07
ADC
QT Input Channel

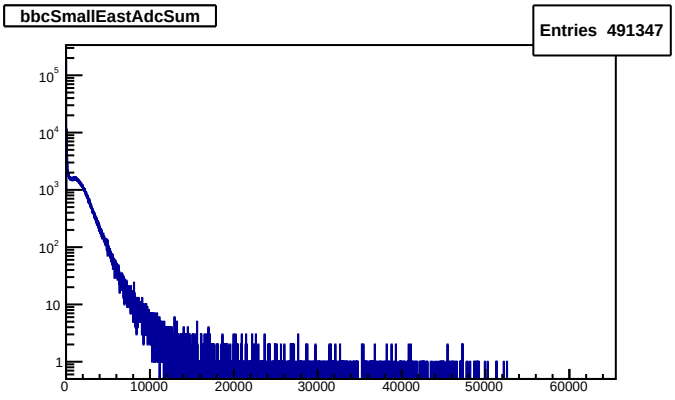

EQ2 QTC
Entries 4.716931e+07
TADC
QT Input Channel

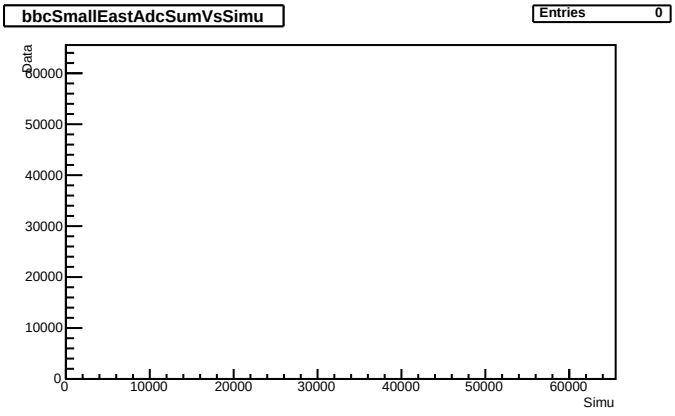

EQ3 QTB
Entries 1.257848e+08
ADC
QT Input Channel

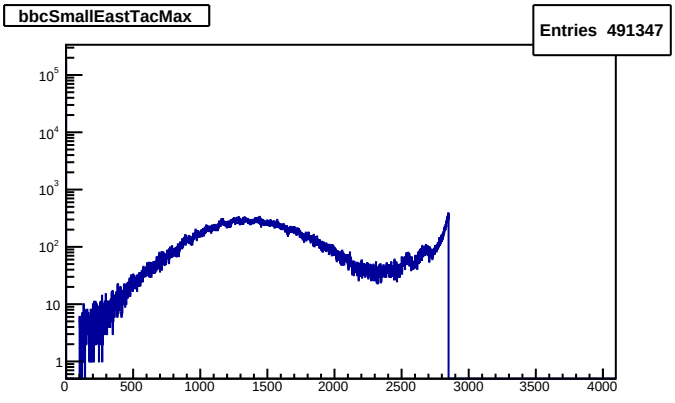

EQ3 QTB
Entries 3.733508e+07
TDC
QT Input Channel

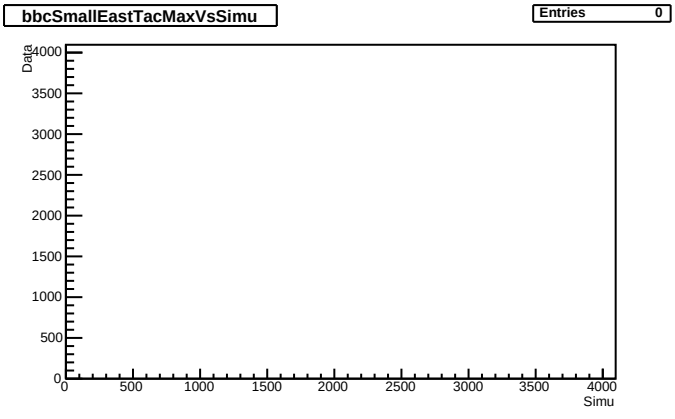

EQ3 QTC
Entries 4.716931e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.716931e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 491347


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 491347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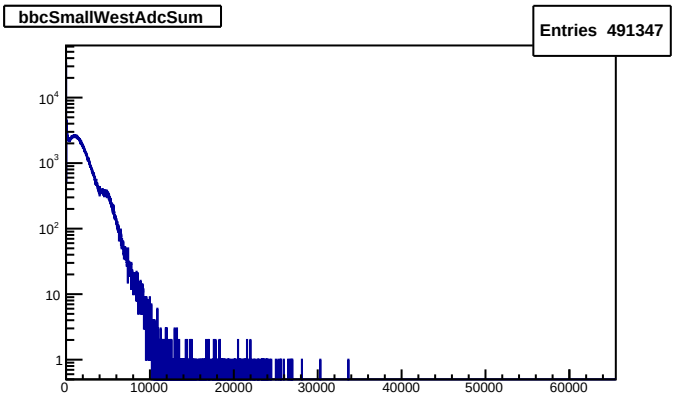
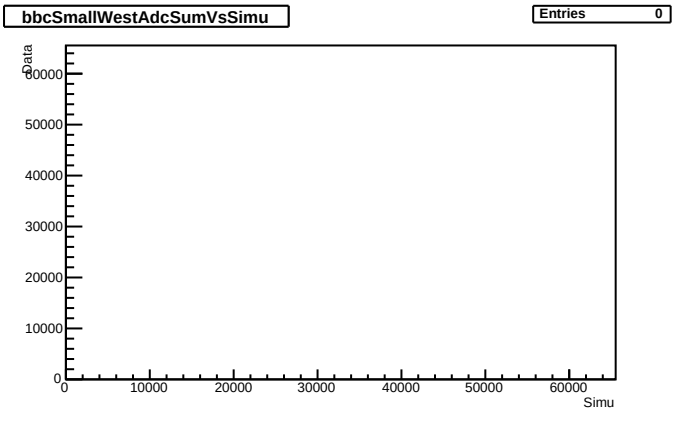
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 491347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Entries 0
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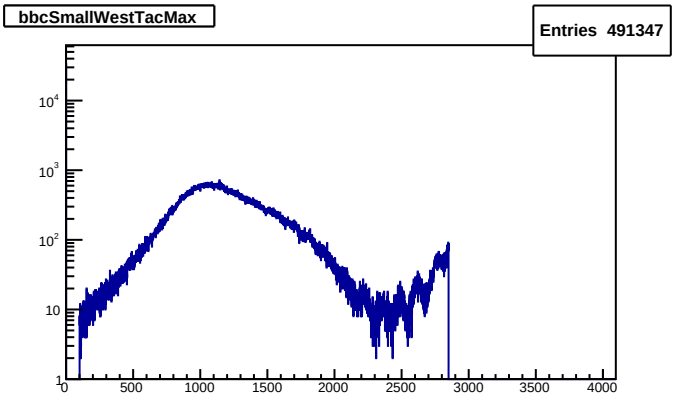
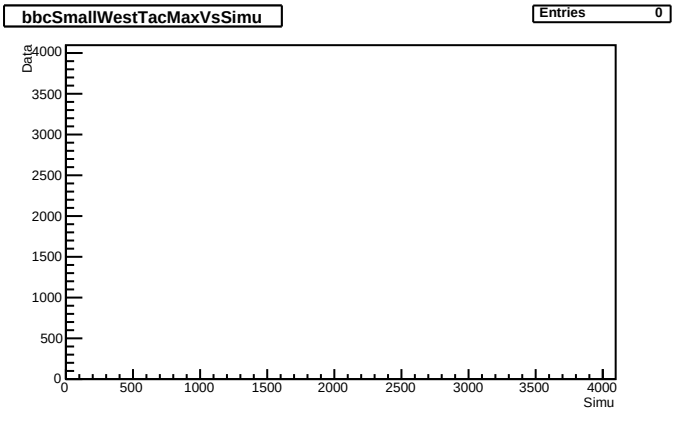
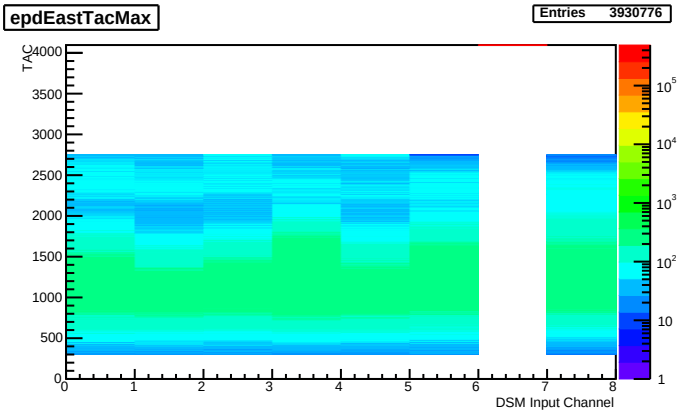
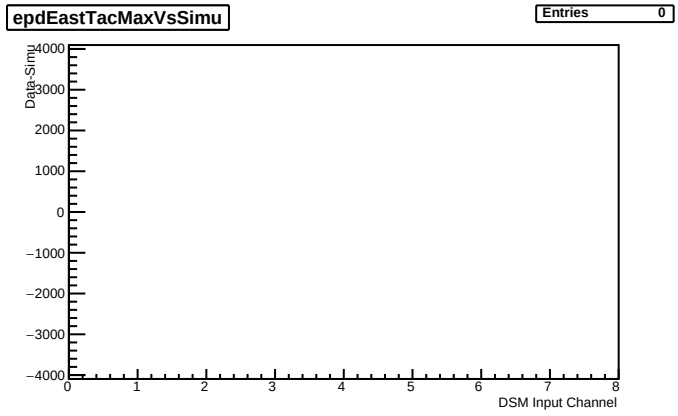
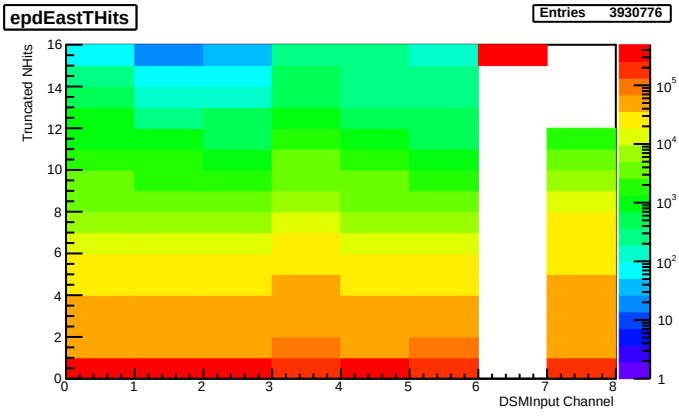
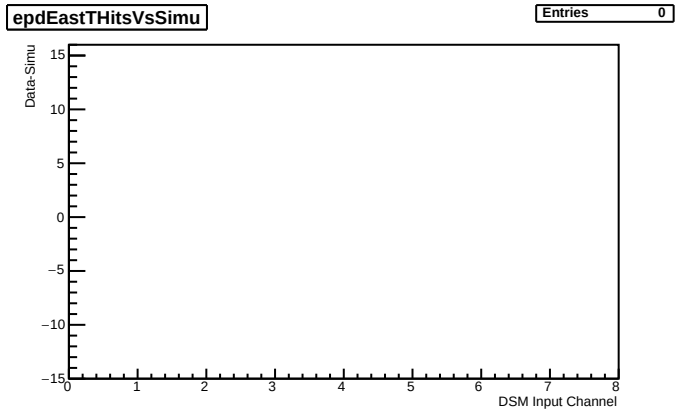

bbcSmallWestTacMax
Entries 491347


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3930776
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3930776
Truncated NHits
DSMInput Channel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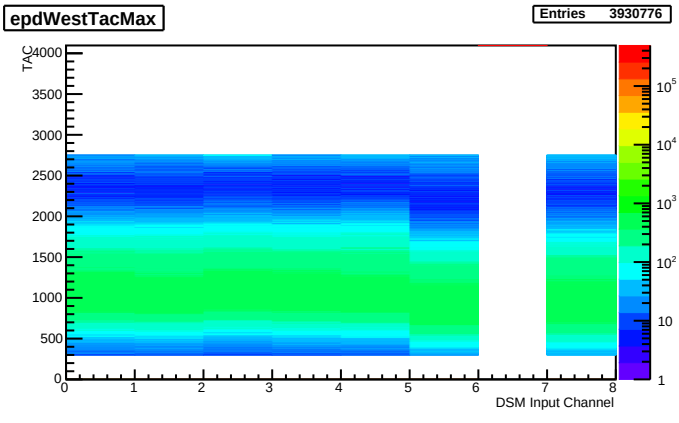
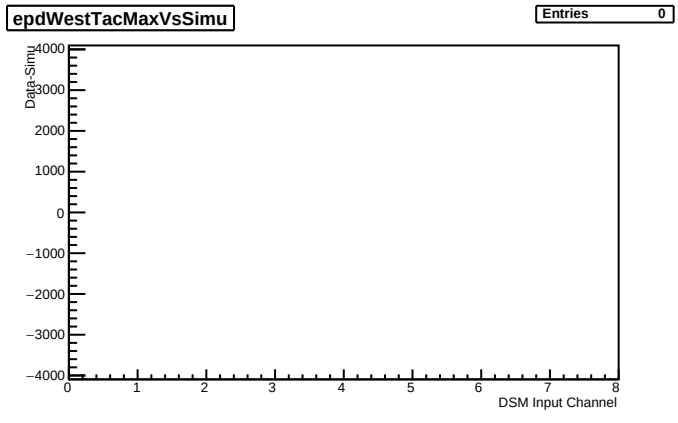
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3930776
TAC
DSM Input Channel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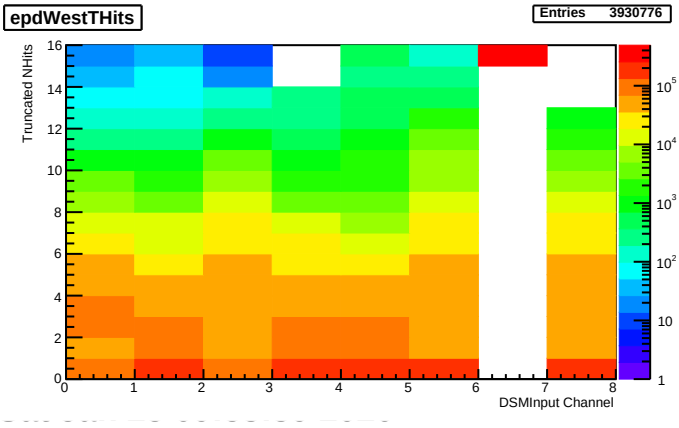
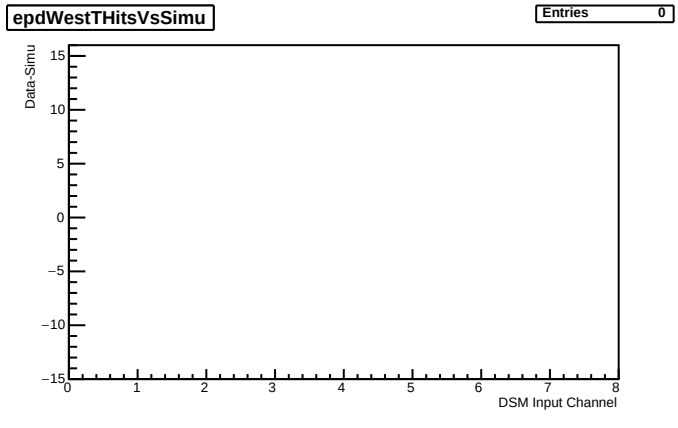
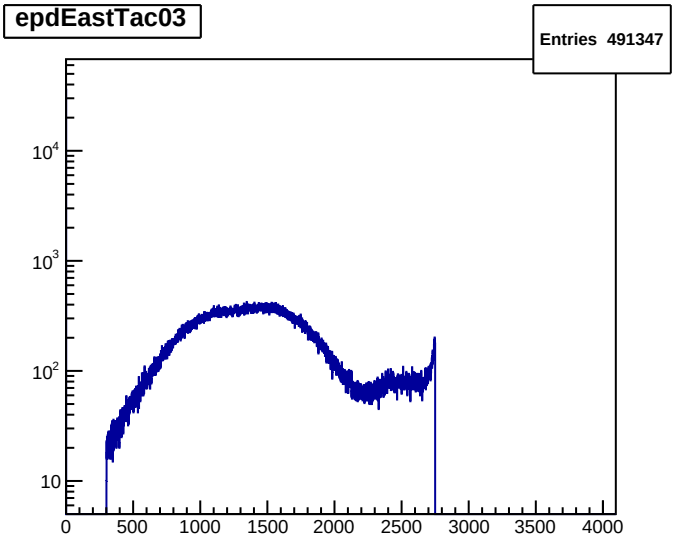
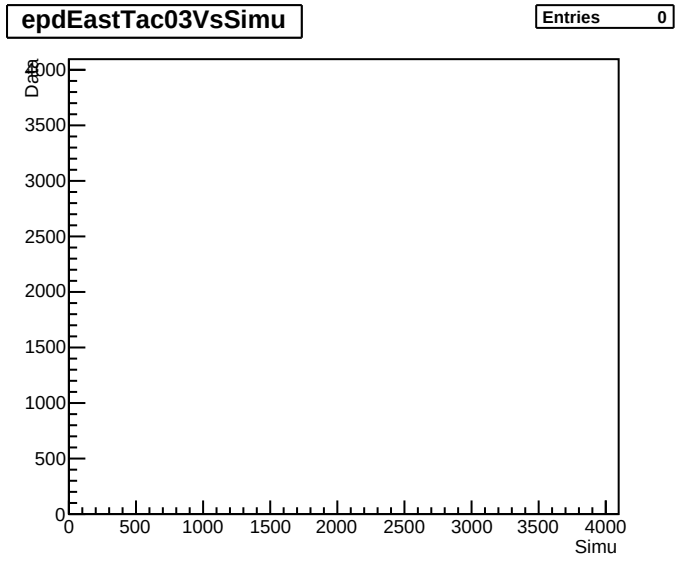
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3930776
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 491347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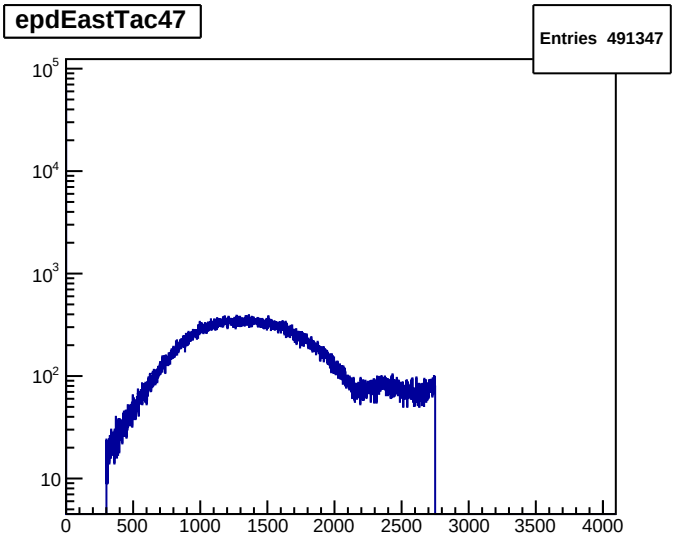
Entries 0
Data
Simu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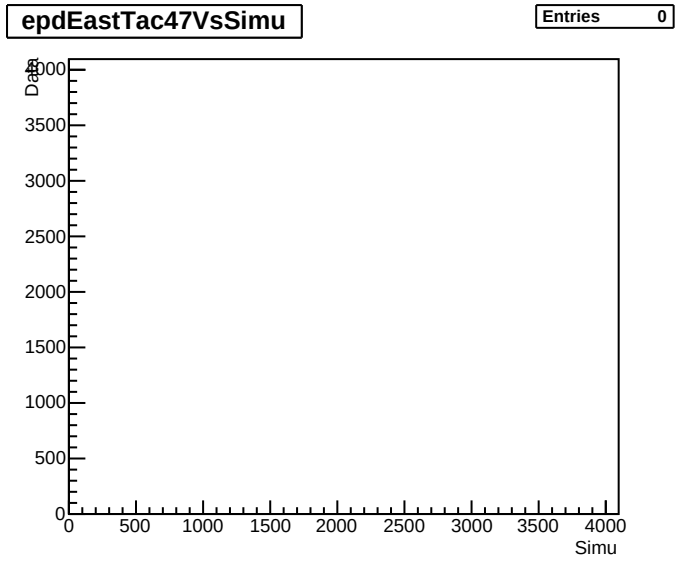
Entries 491347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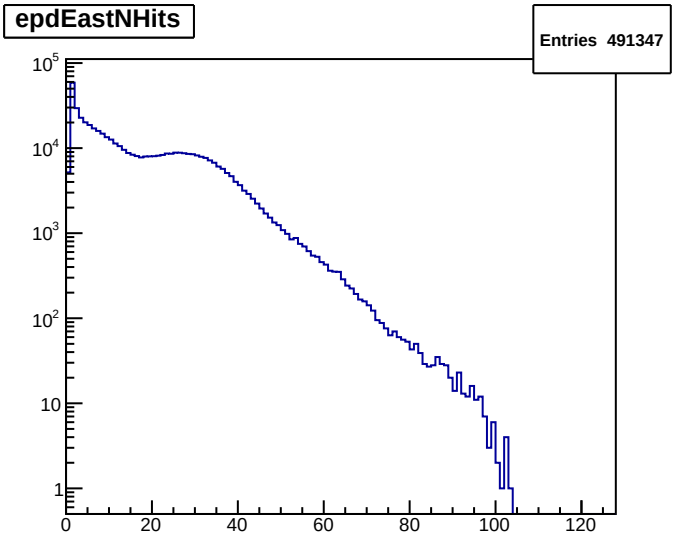
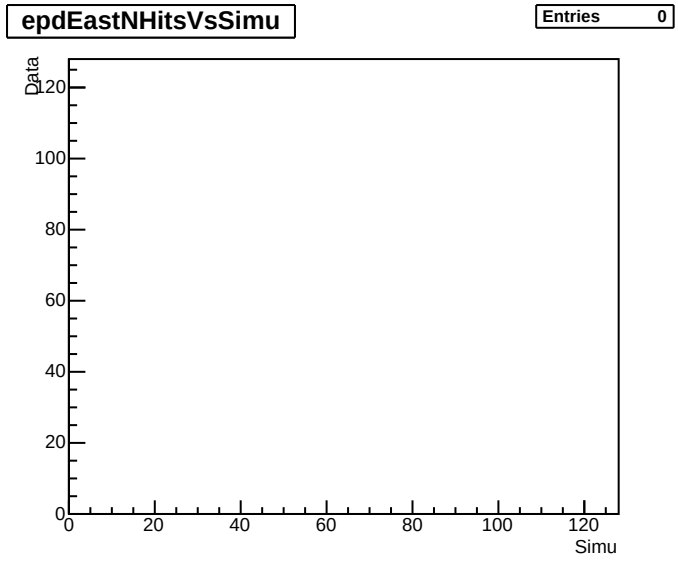
Entries 0
Data
Simu


epdEastNHits
Entries 491347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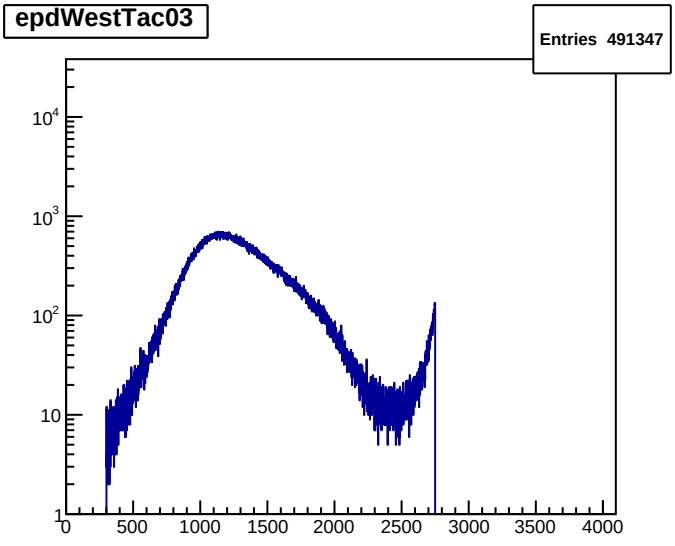
Entries 0
Data
Simu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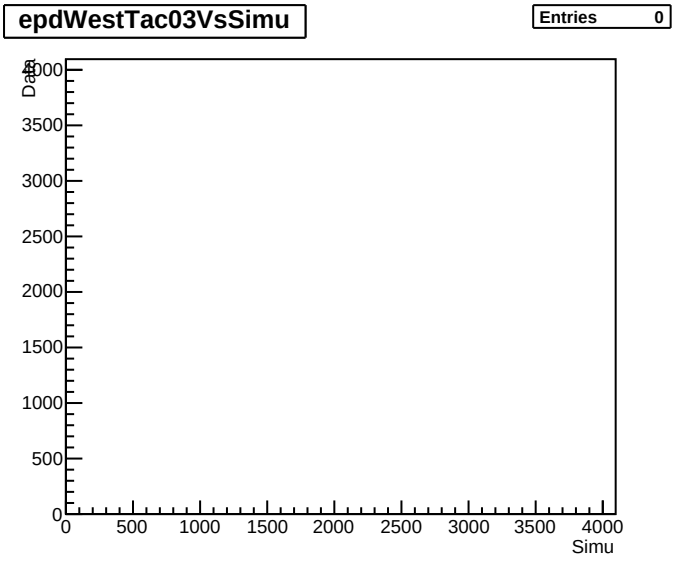
Entries 491347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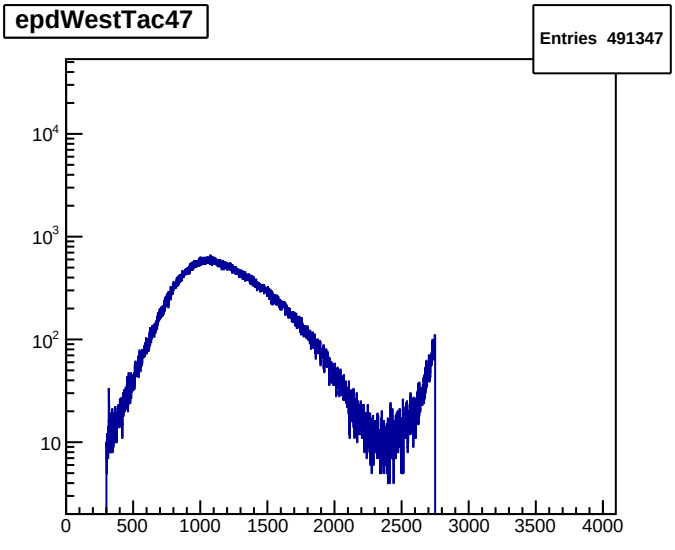
Entries 0
Data
Simu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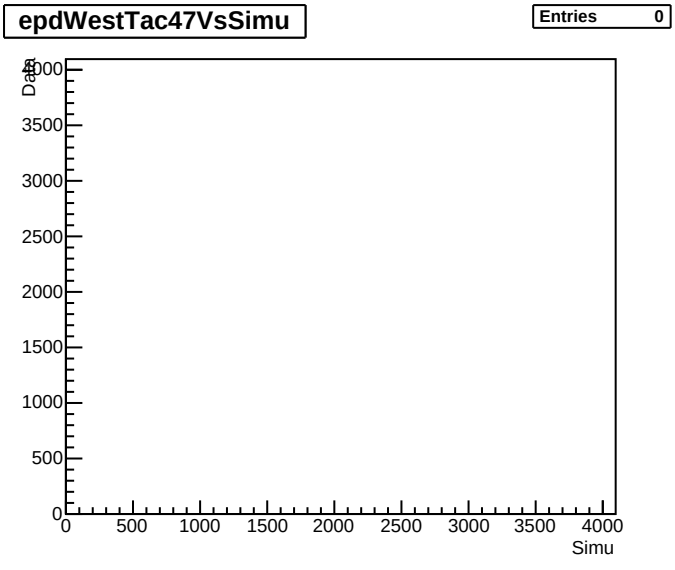
Entries 491347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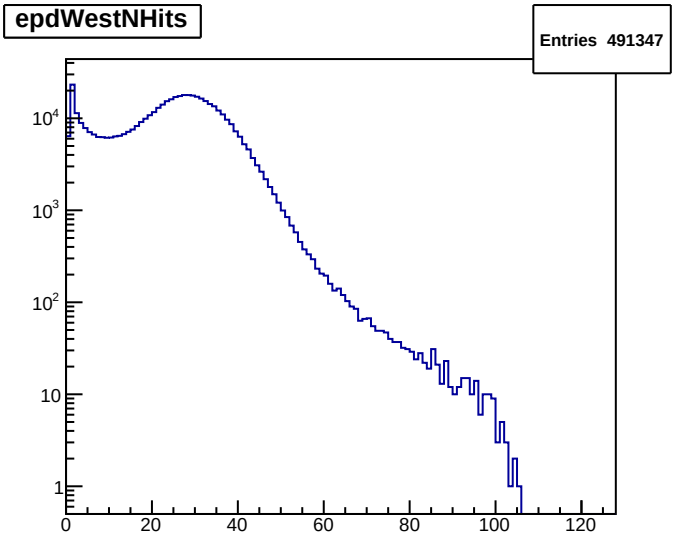
Entries 0
Data
Simu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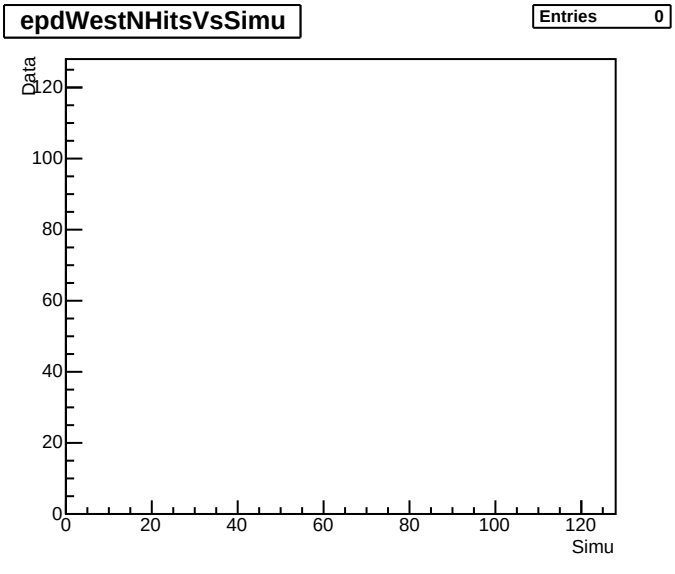
Entries 491347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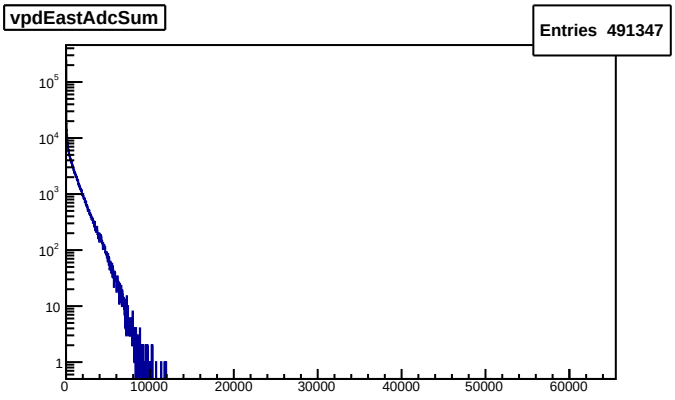
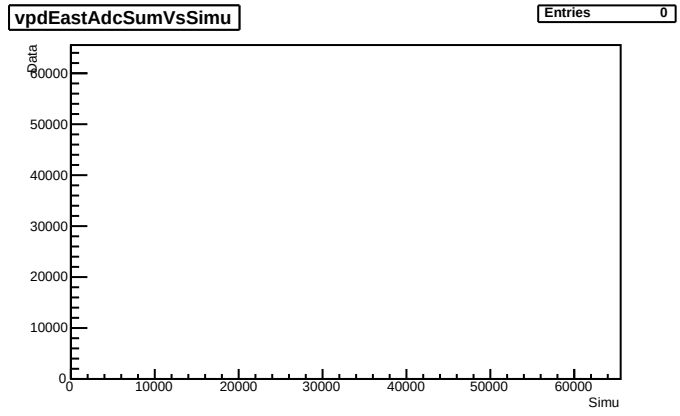
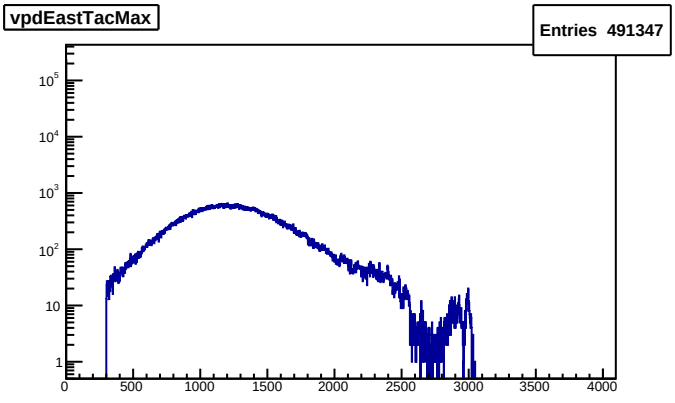
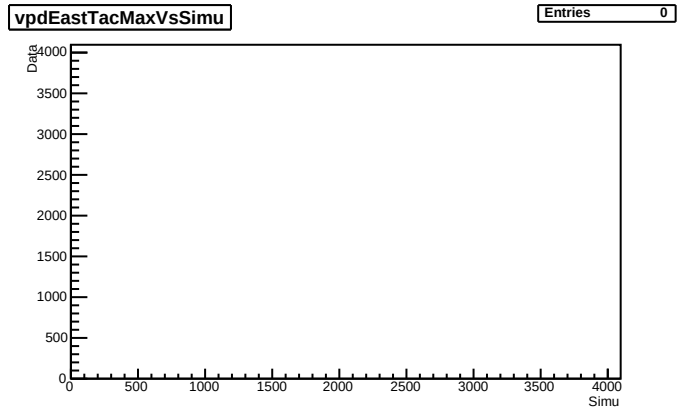
Entries 0
Data
Simu


vpdEastAdcSum
Entries 491347


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 491347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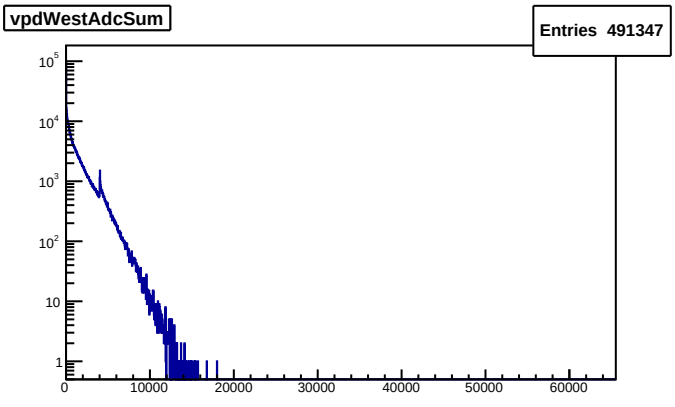
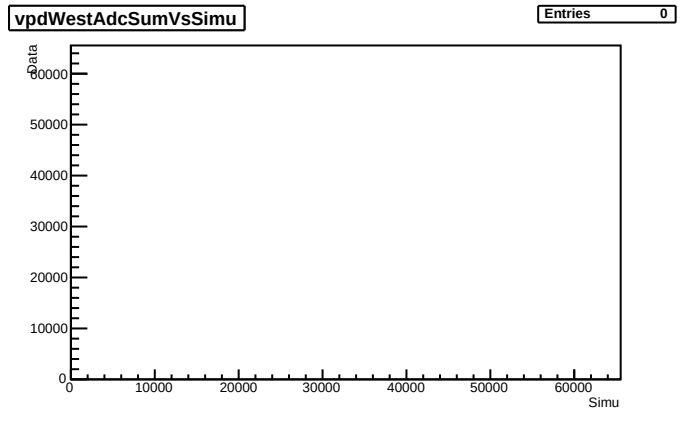
Entries 0
Data
Simu


vpdWestAdcSum
Entries 491347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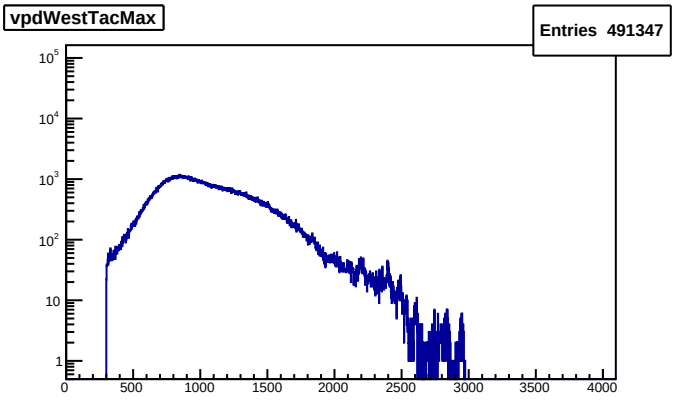
Entries 0
Data
Simu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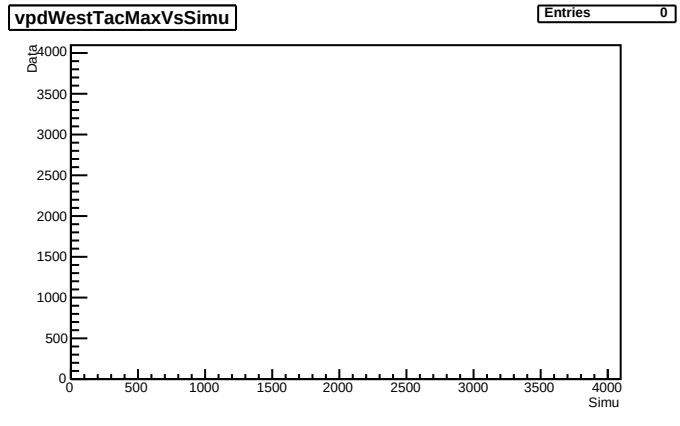
Entries 491347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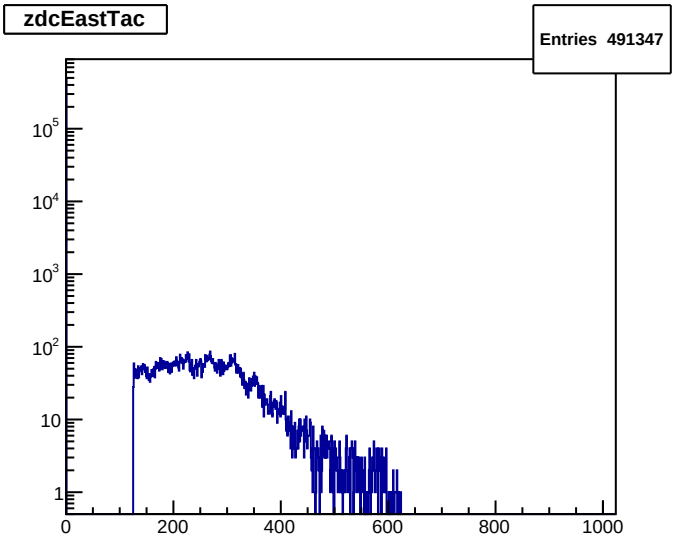
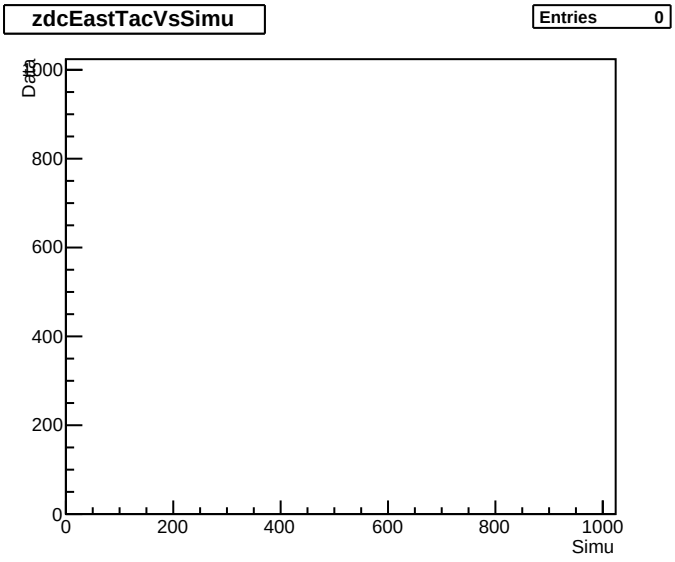
Entries 0
Data
Simu


zdcEastTac
Entries 491347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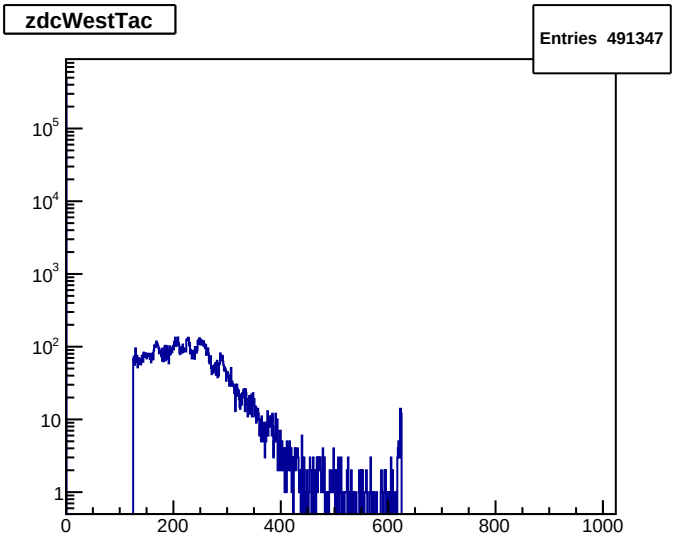
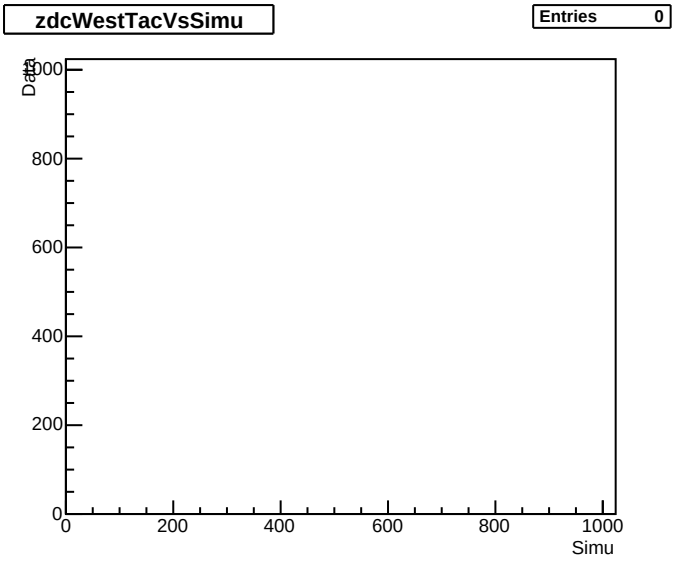
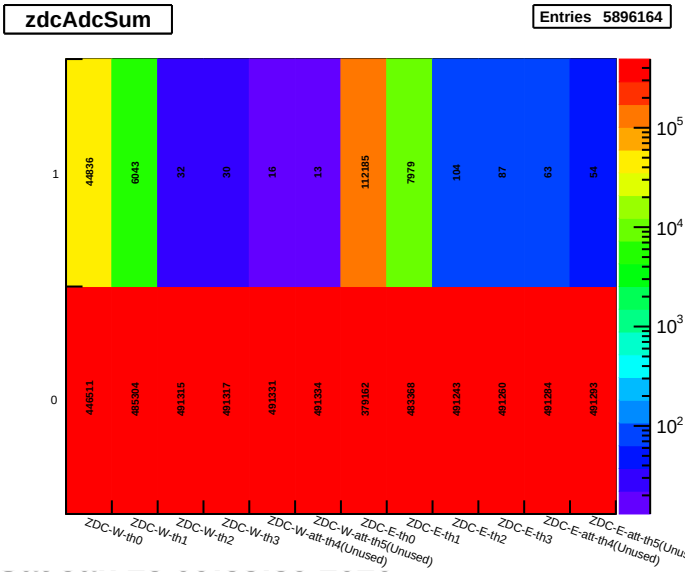
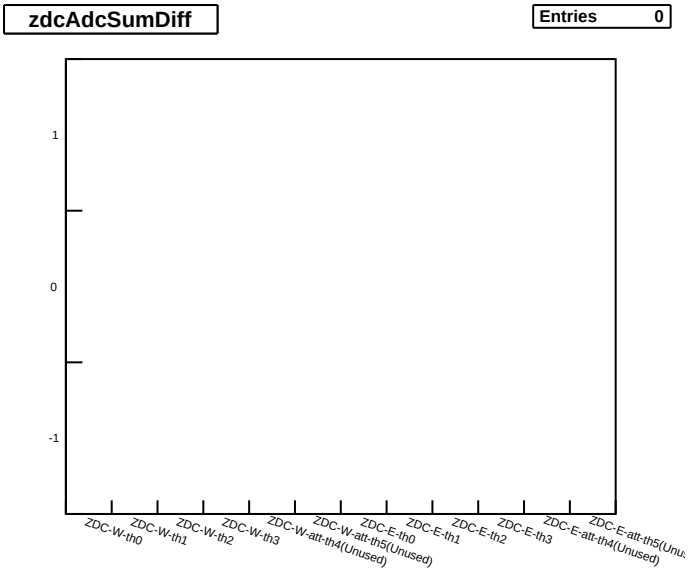
Entries 0
Data
Simu


zdcWestTac
Entries 491347


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 5896164
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
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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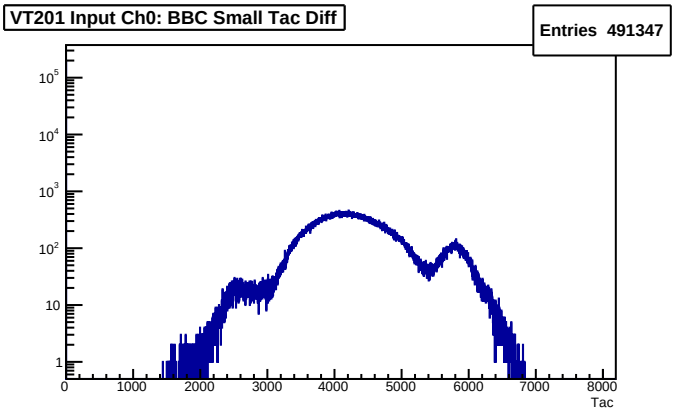
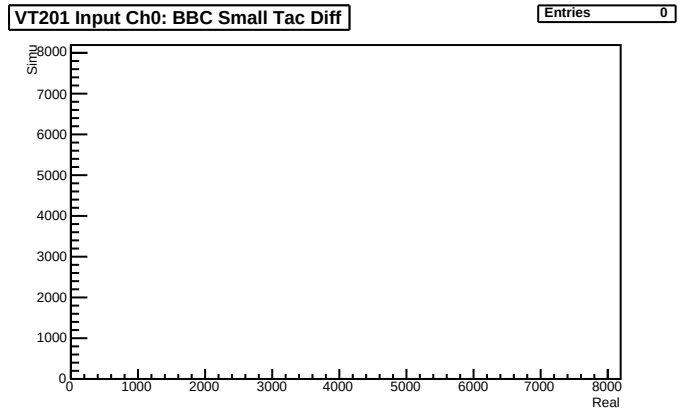
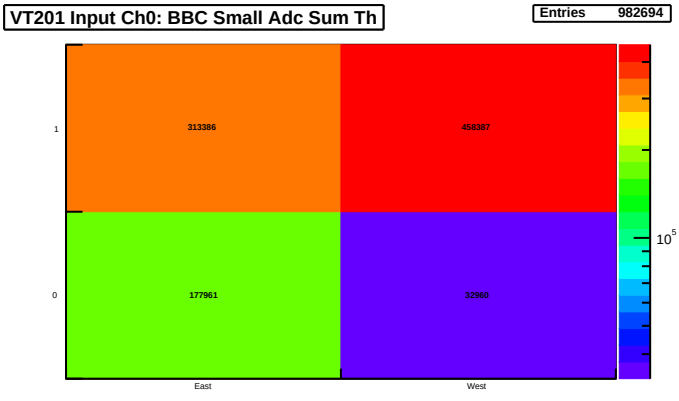
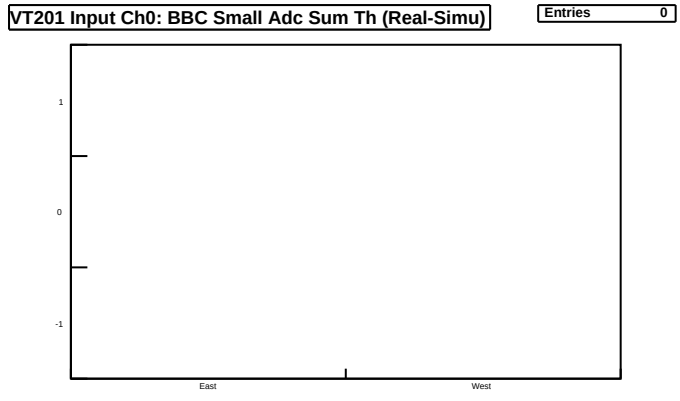
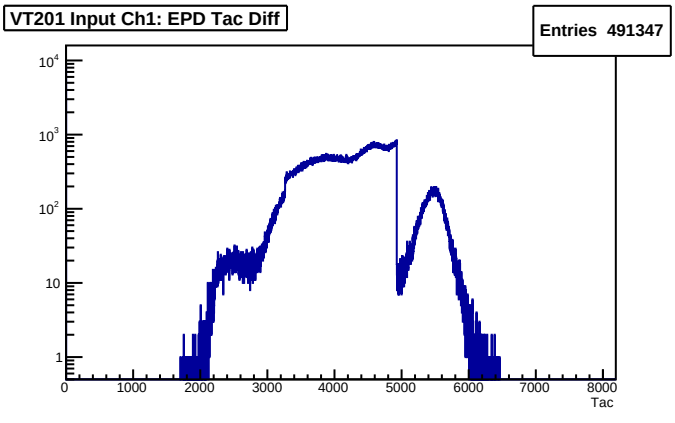
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

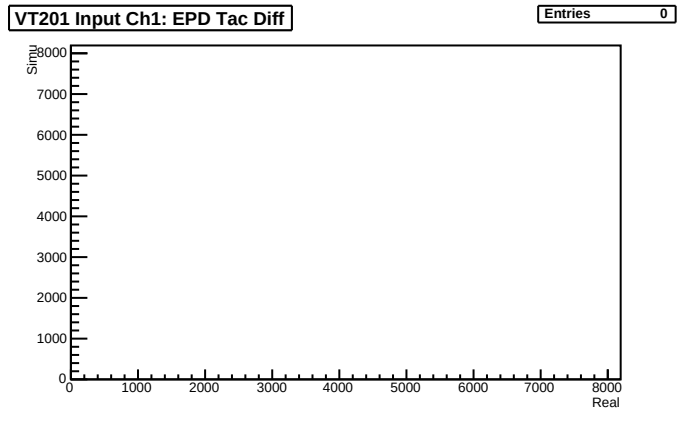

VT201 Input Ch0: BBC Small Tac Diff
Entries 491347
Tac

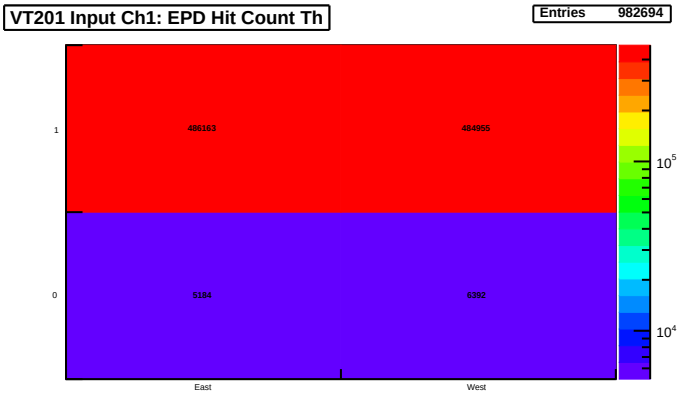

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

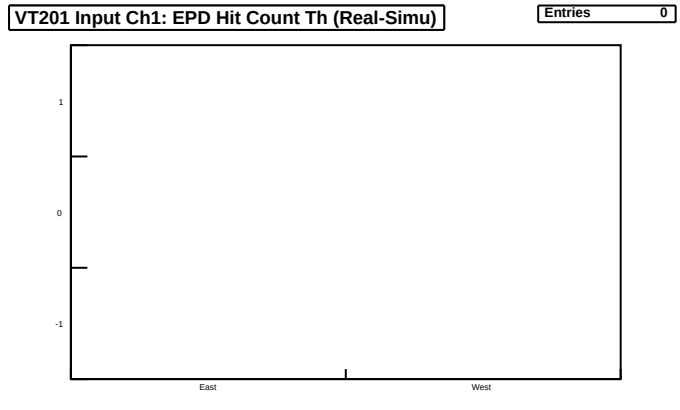

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 982694
313386
458387
177961
32960
East
West

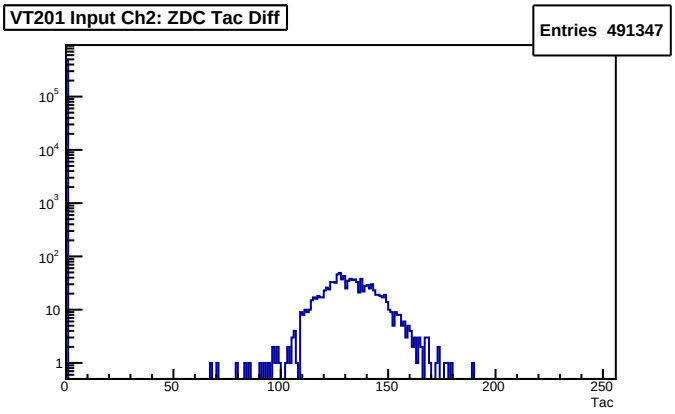

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

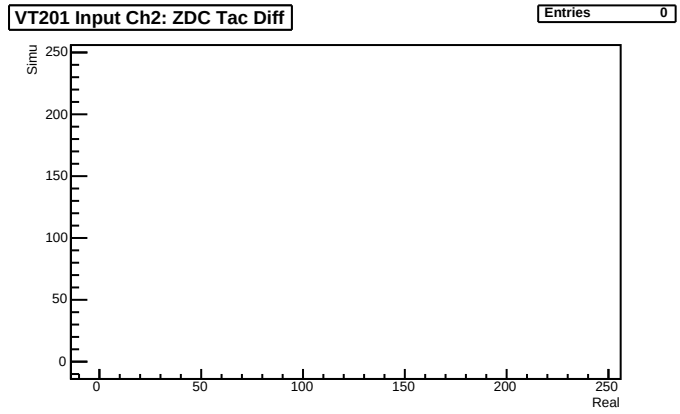

VT201 Input Ch1: EPD Tac Diff
Entries 491347
Tac

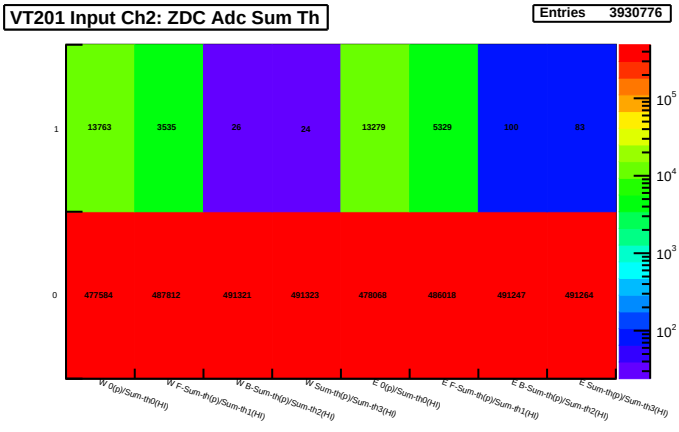

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

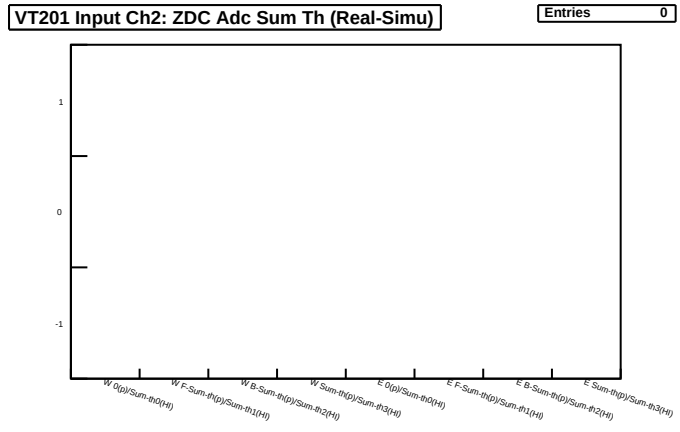

VT201 Input Ch1: EPD Hit Count Th
Entries 982694
486163
484955
5184
6392
East
West

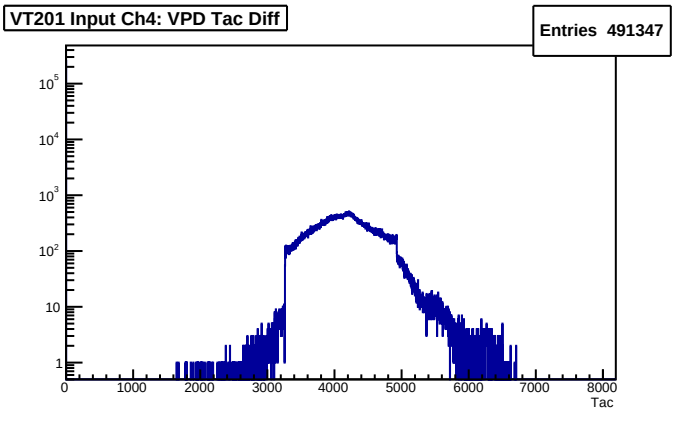

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

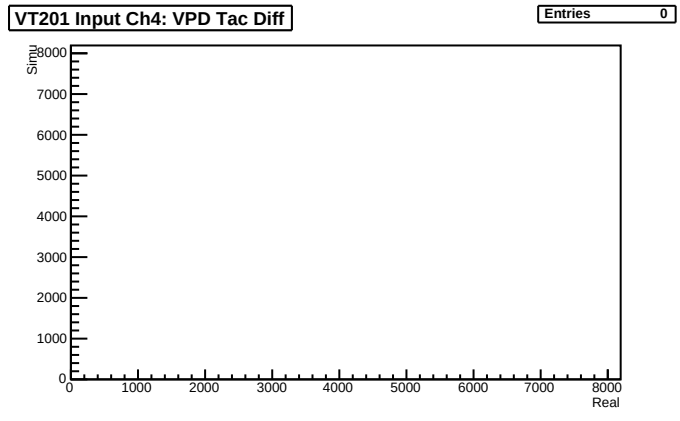

VT201 Input Ch2: ZDC Tac Diff
Entries 491347
Tac

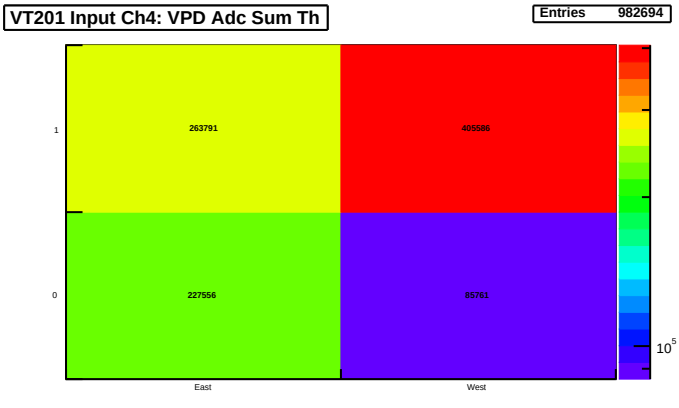

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

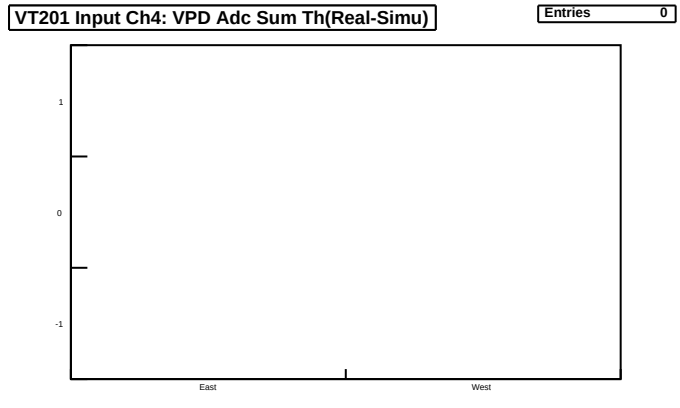

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3930776
13763
3535
26
24
13279
5329
100
83
477584
487812
491321
491323
478068
486018
491247
491264
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

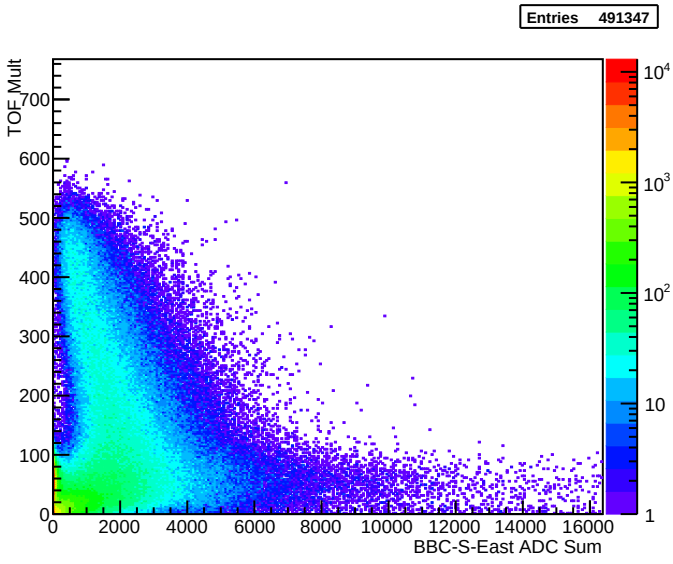

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

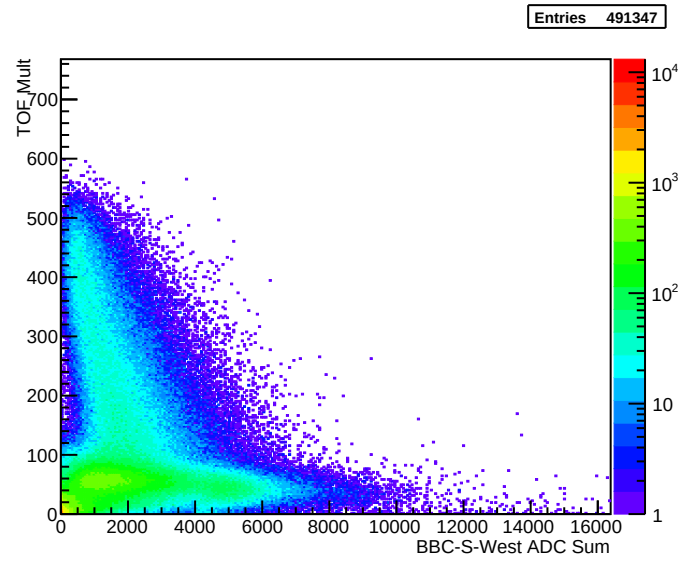

VT201 Input Ch4: VPD Tac Diff
Entries 491347
Tac

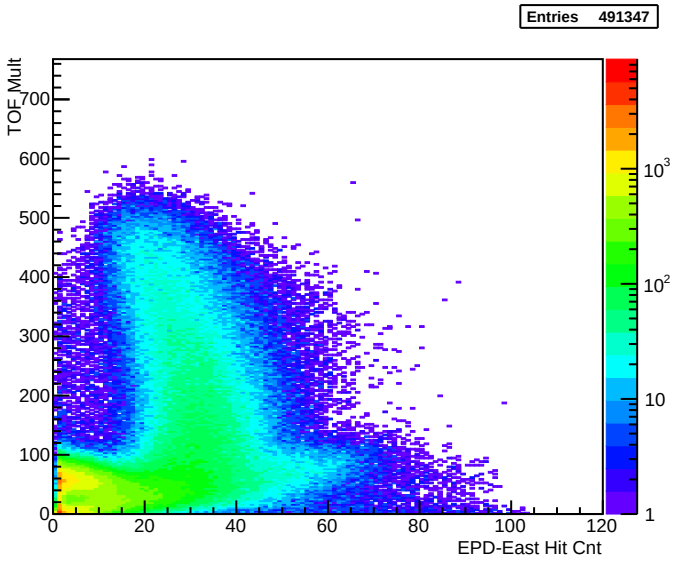

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

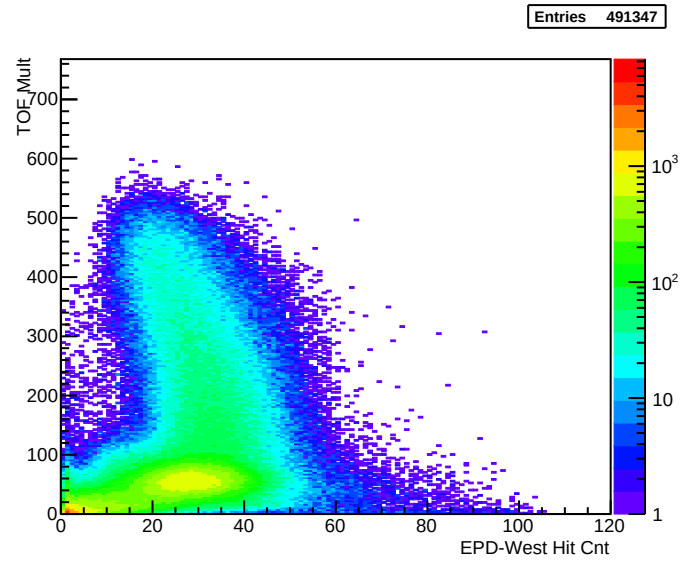

VT201 Input Ch4: VPD Adc Sum Th
Entries 982694
263791
405586
227556
85761
East
West

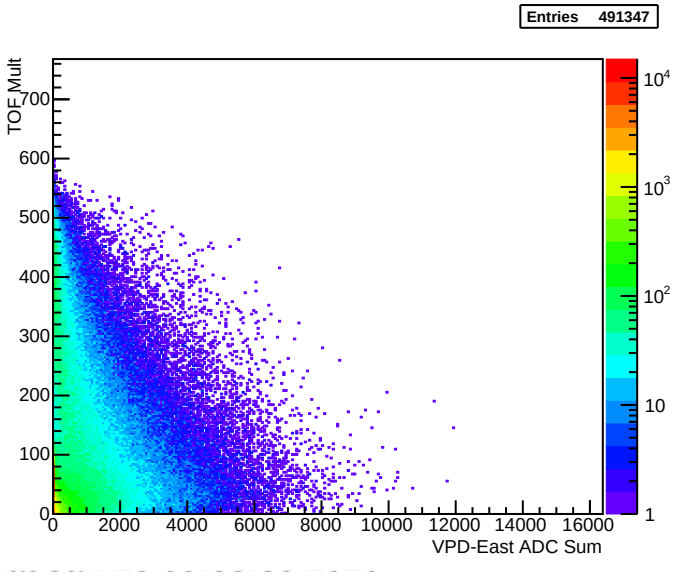

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

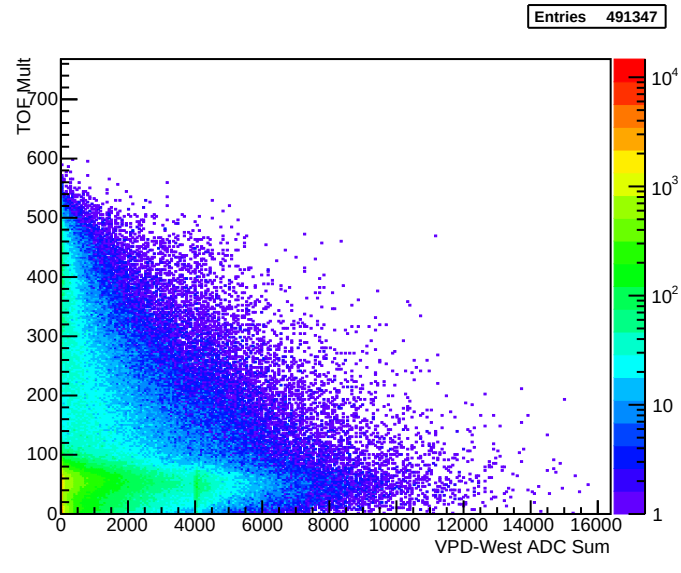

Entries 491347
TOF_Mult
BBC-S-East ADC Sum

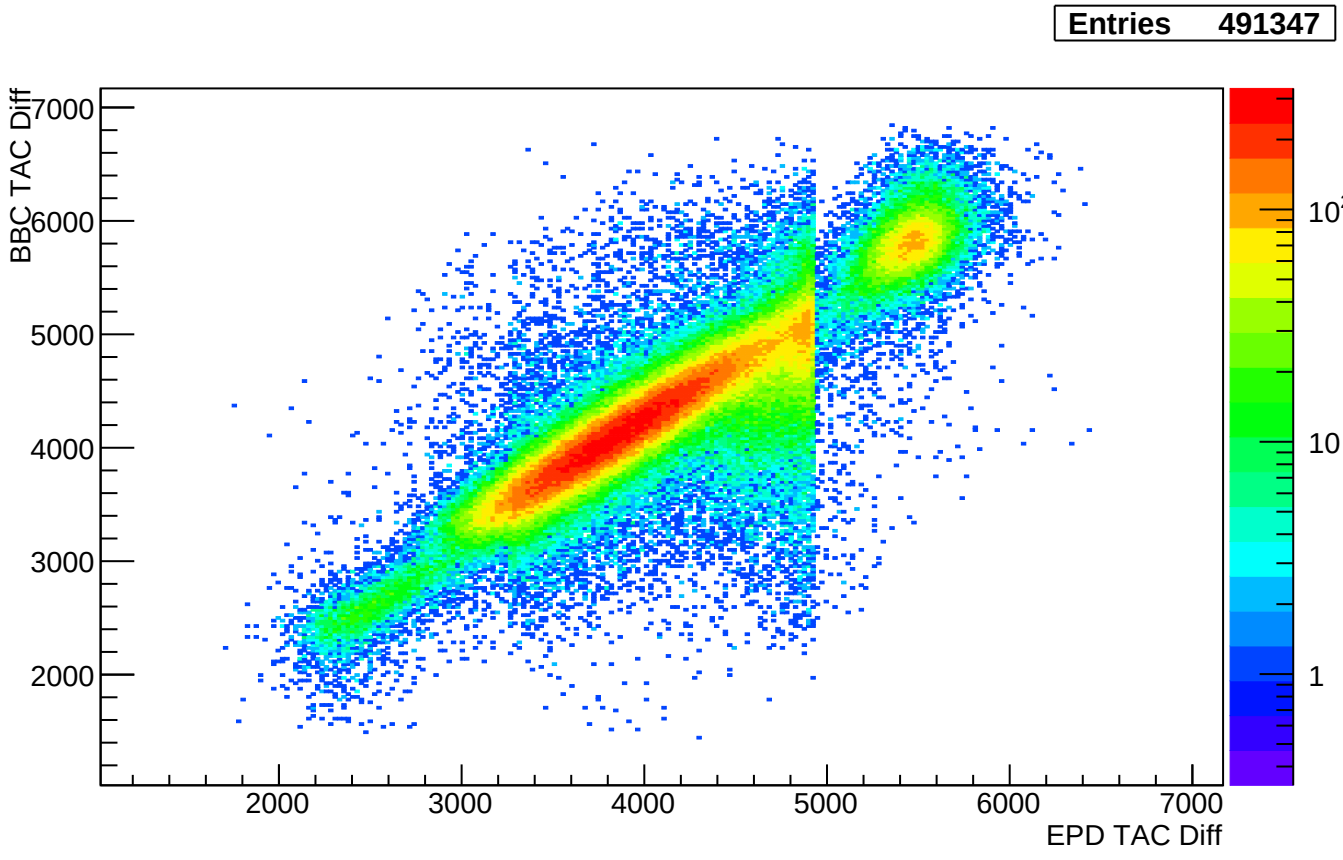

Entries 491347
TOF_Mult
BBC-S-West ADC Sum

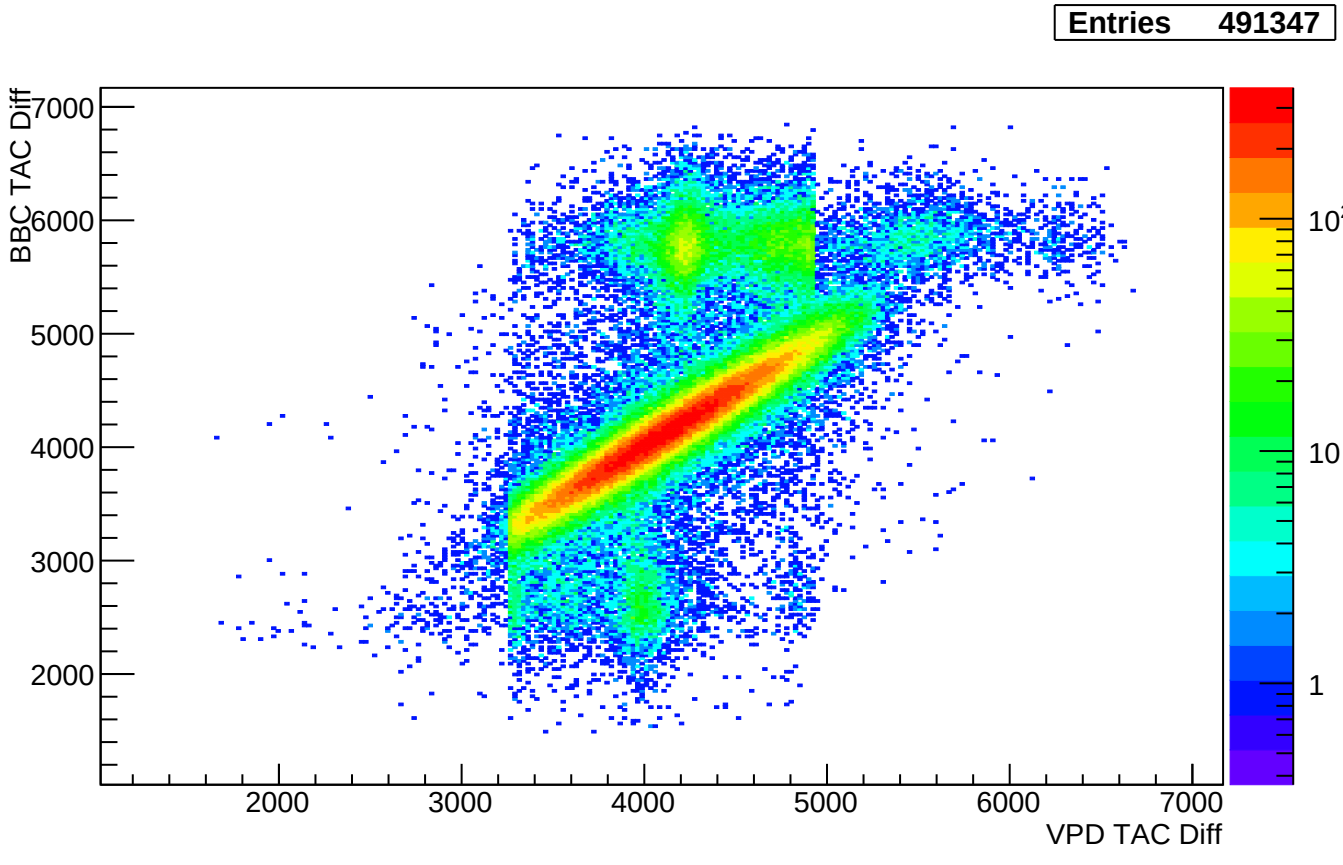

Entries 491347
TOF_Mult
EPD-East Hit Cnt

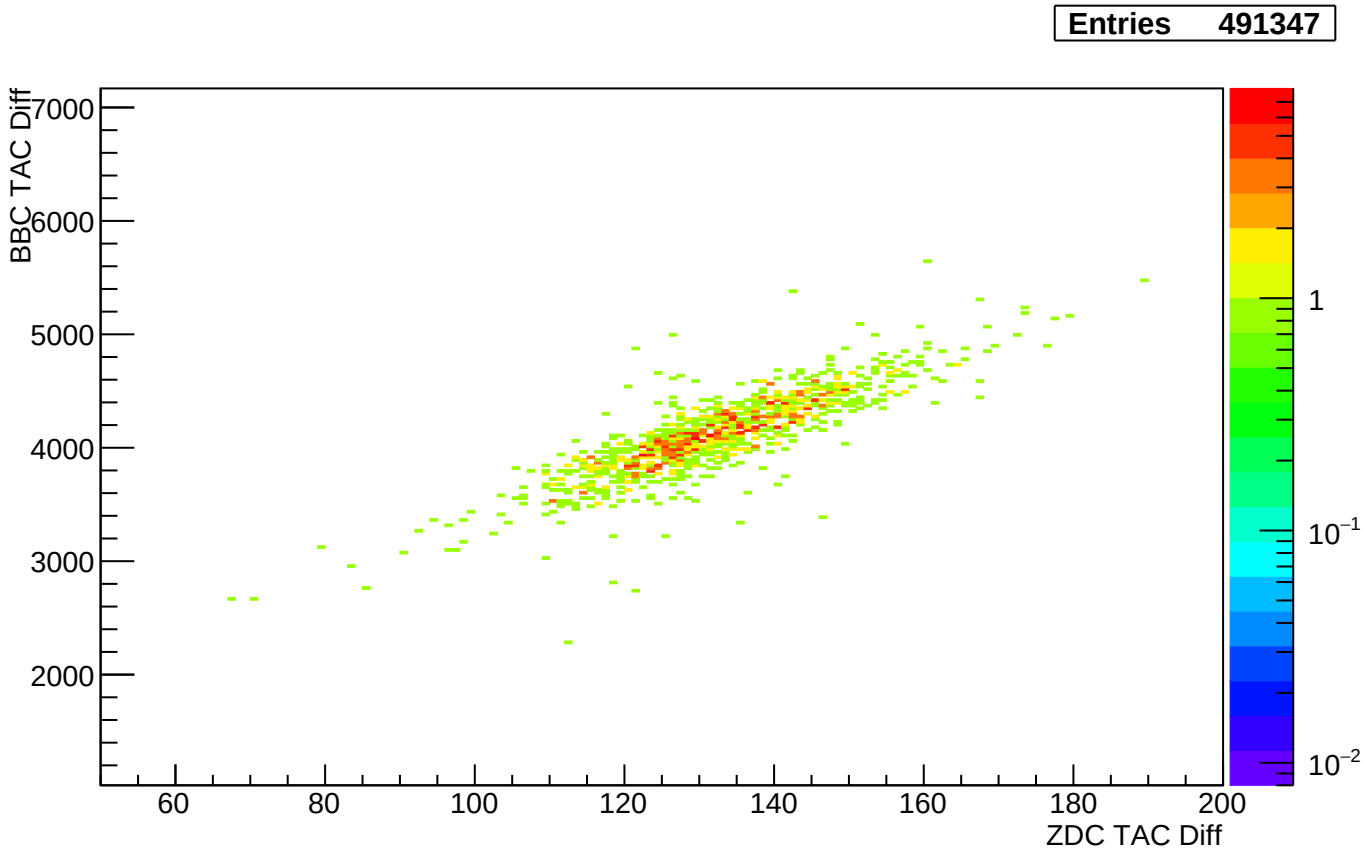

Entries 491347
TOF_Mult
EPD-West Hit Cnt

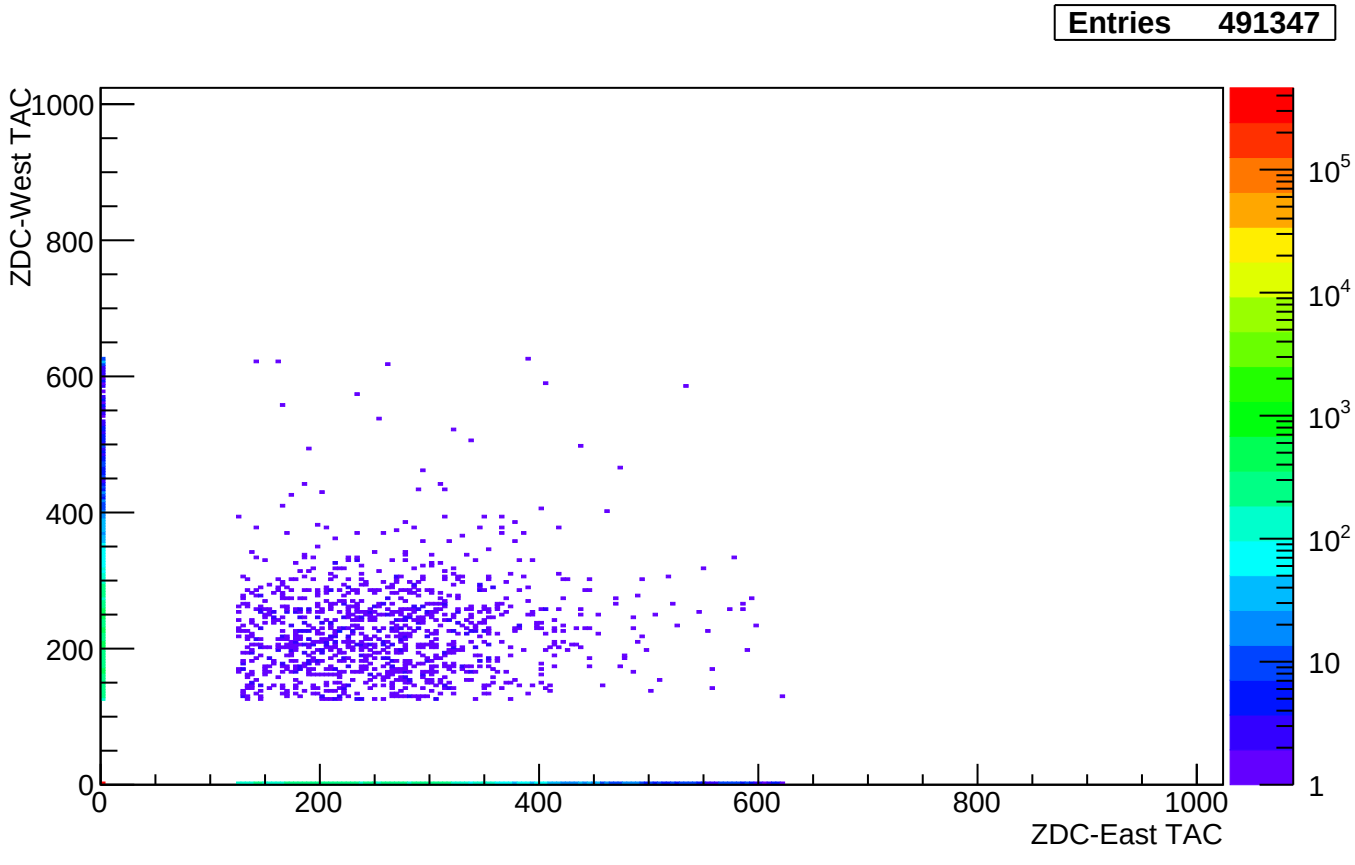

Entries 491347
TOF_Mult
VPD-East ADC Sum

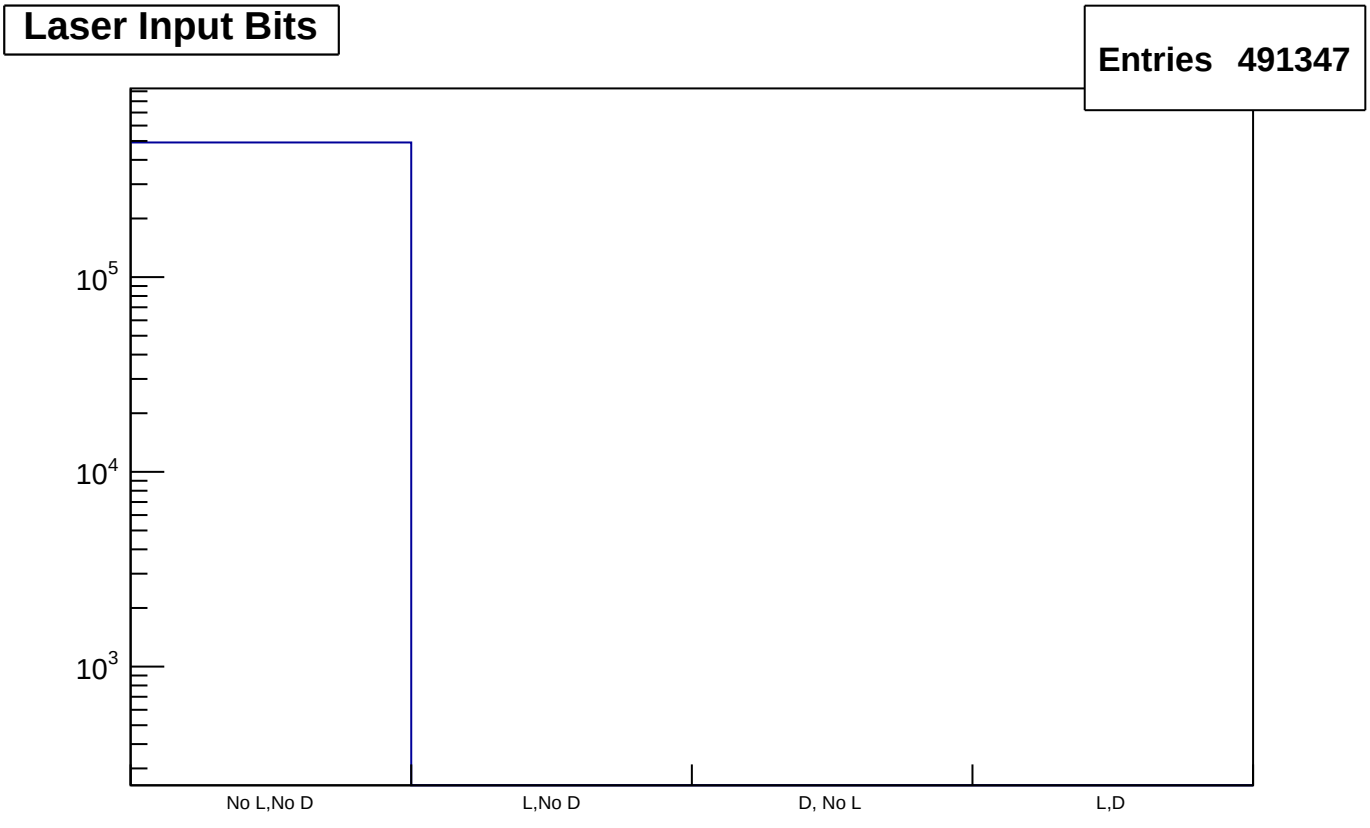

Entries 491347
TOF_Mult
VPD-West ADC Sum

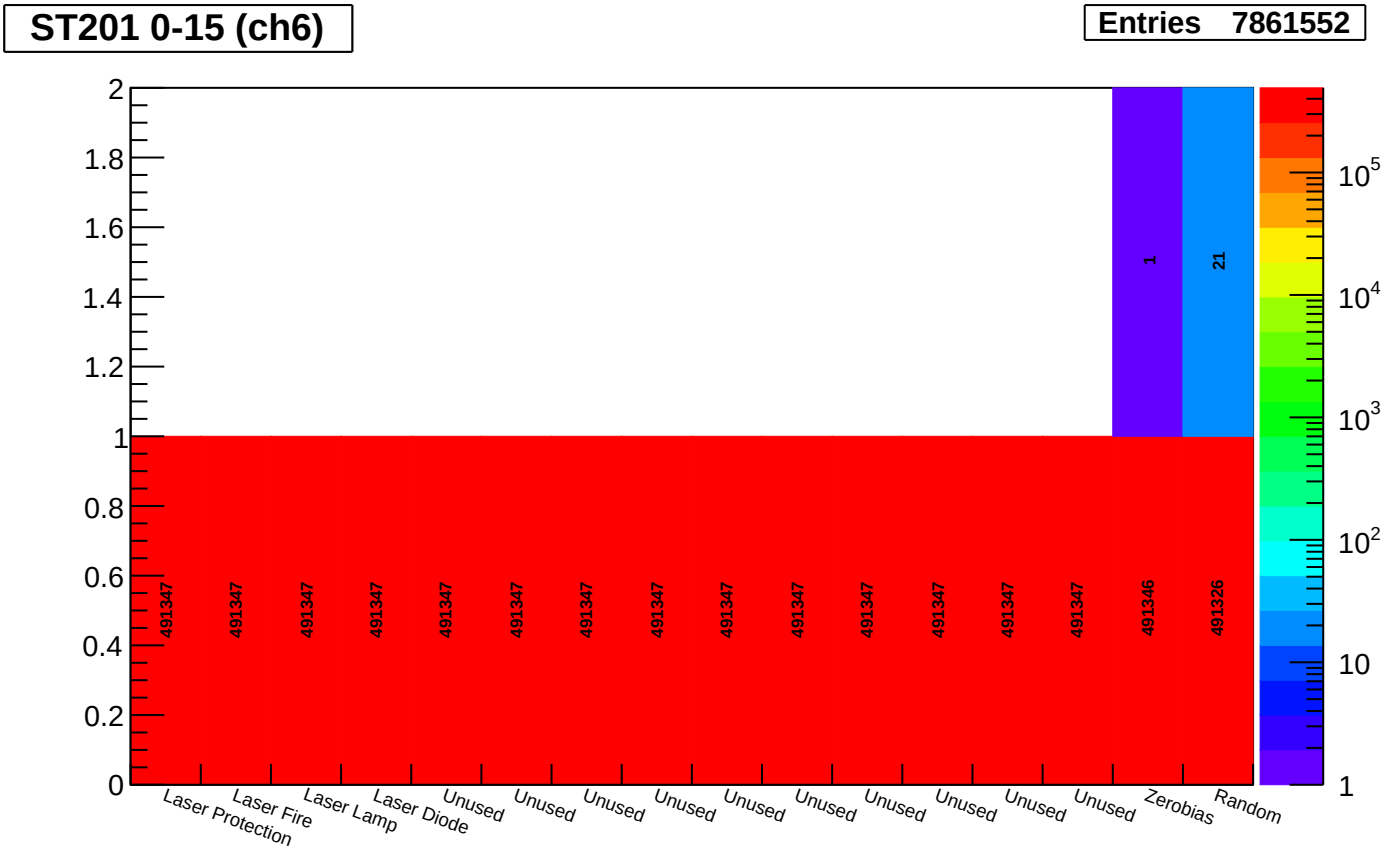

Entries 491347
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

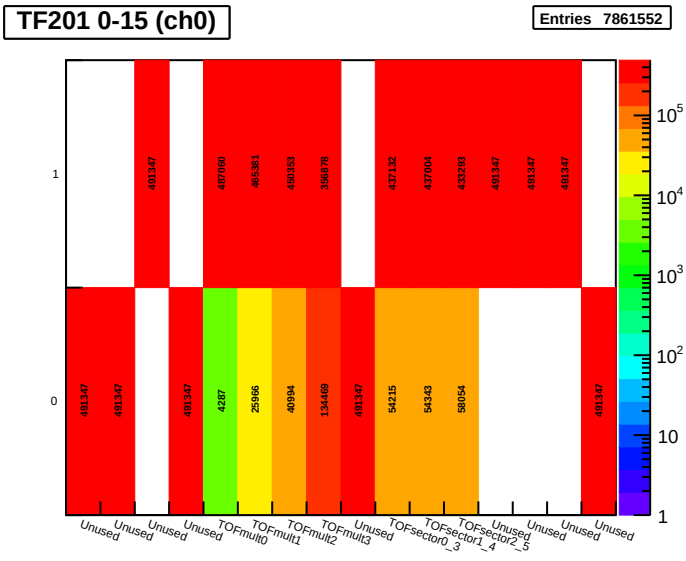

Entries 491347
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

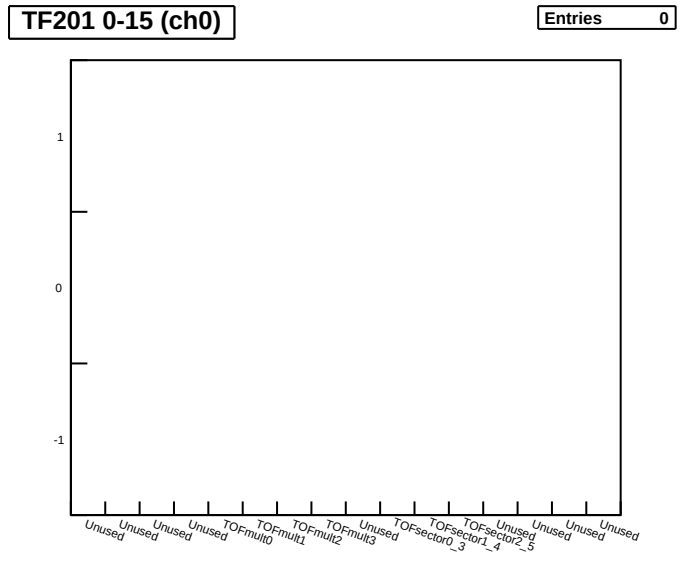

Entries 491347
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

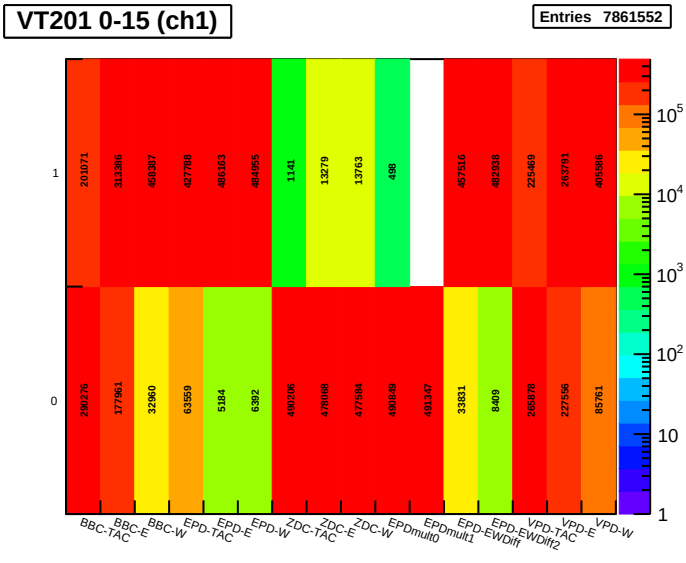

Entries 491347
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

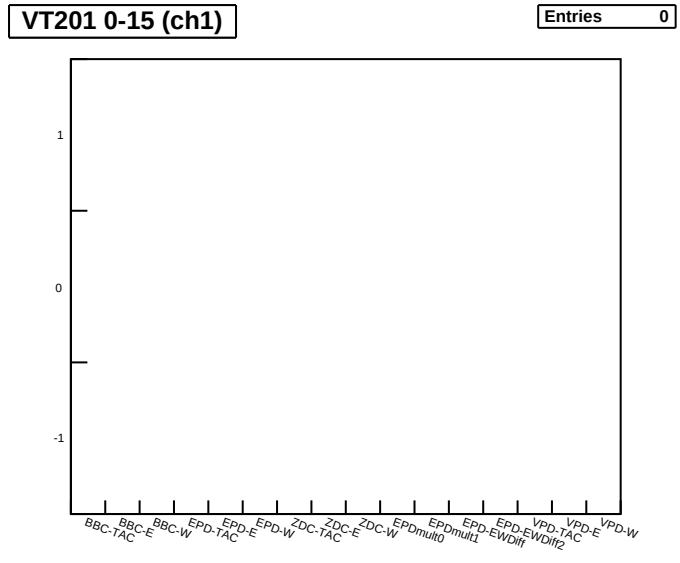

Laser Input Bits
Entries 491347
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

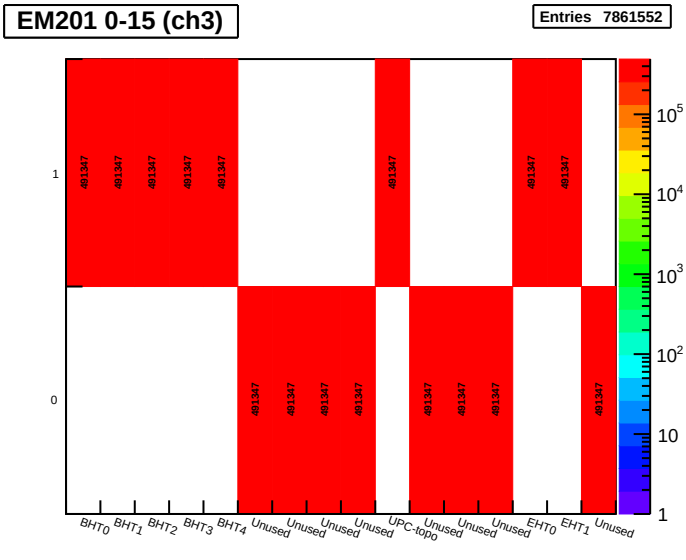

ST201 0-15 (ch6)
Entries 7861552
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
491347
491347
491347
491347
491347
491347
491347
491347
491347
491347
491347
491347
491347
491346
491326
1
21
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

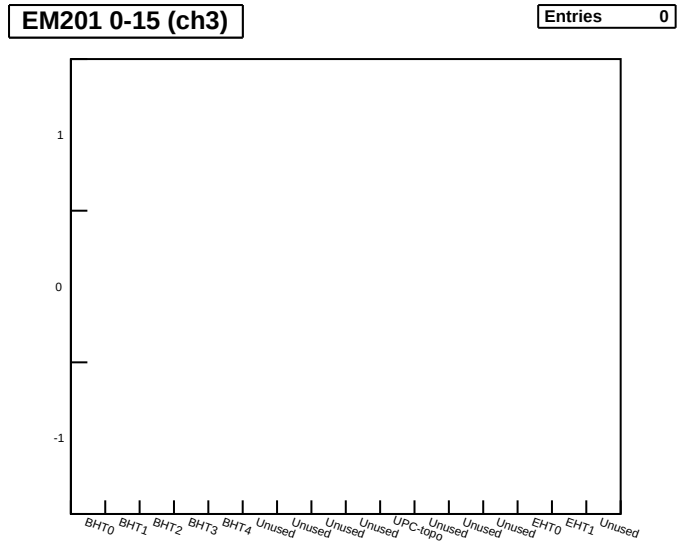

TF201 0-15 (ch0)
Entries 7861552
1
0
491347 491347 491347 491347 437060 465381 459353 356878 437132 437004 433293 491347 491347 491347
491347 491347 491347 4287 25966 40994 134469 491347 54215 54343 58054 491347
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 7861552
1
0
201071 313386 458387 427788 486163 484955 1141 13279 13763 498 457516 482938 225469 263791 405586
290276 177961 32960 63559 5184 6392 490206 478068 477584 490849 491347 33831 8409 265878 227556 85761
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 7861552
1
0
491347 491347 491347 491347 491347 491347 491347 491347
491347 491347 491347 491347 491347 491347 491347 491347
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