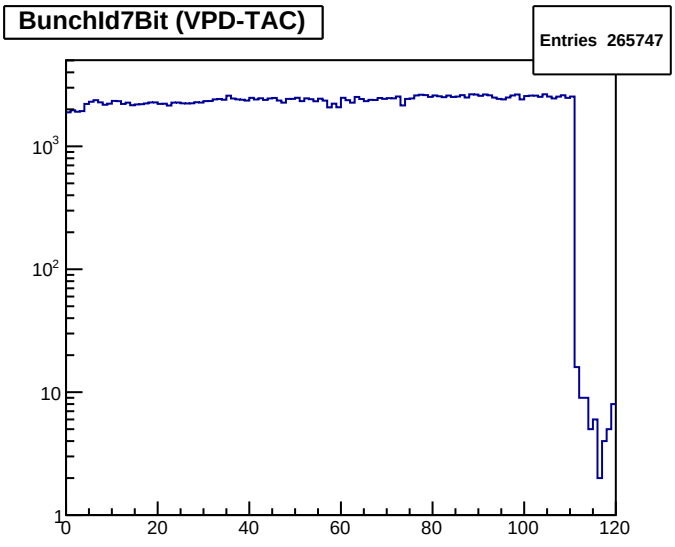
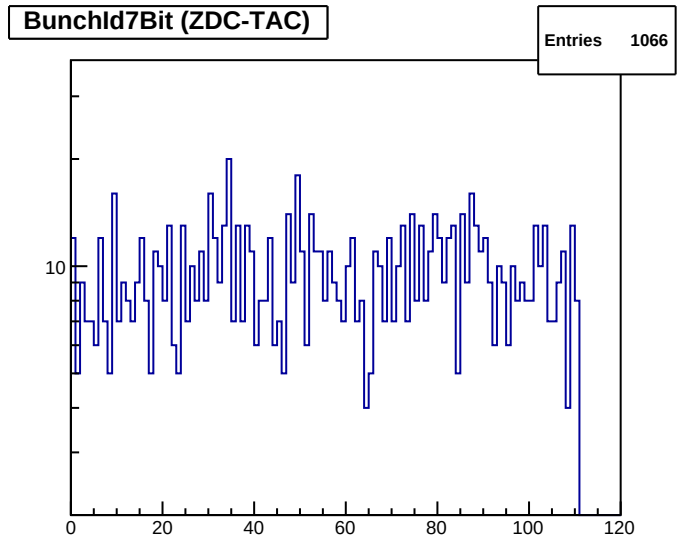
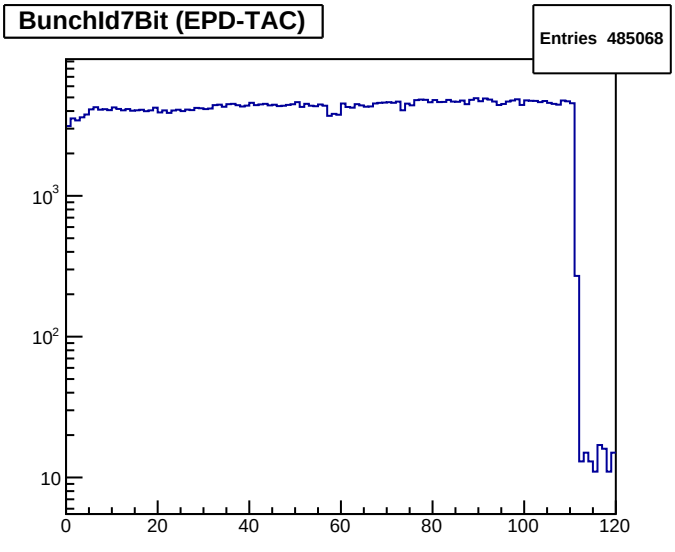
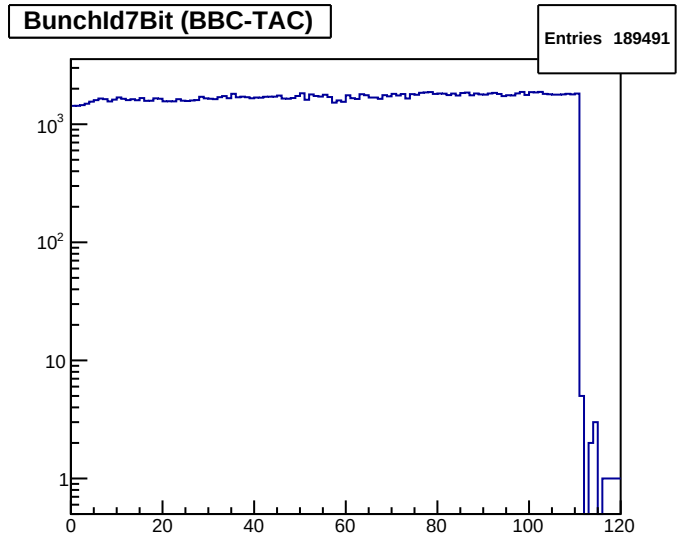
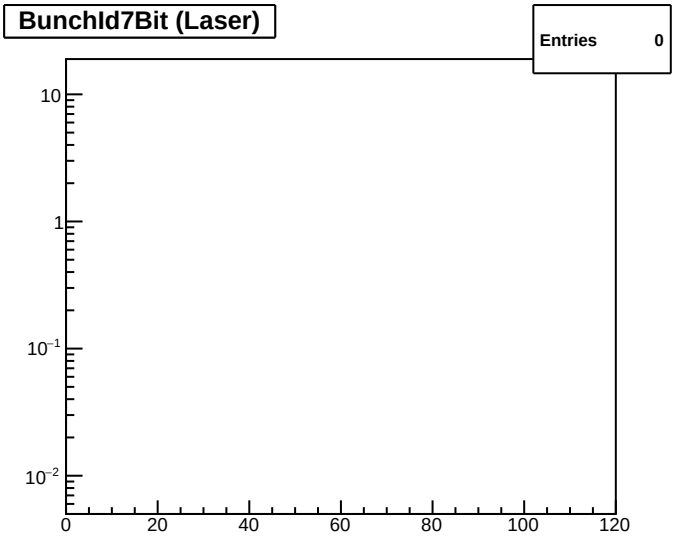
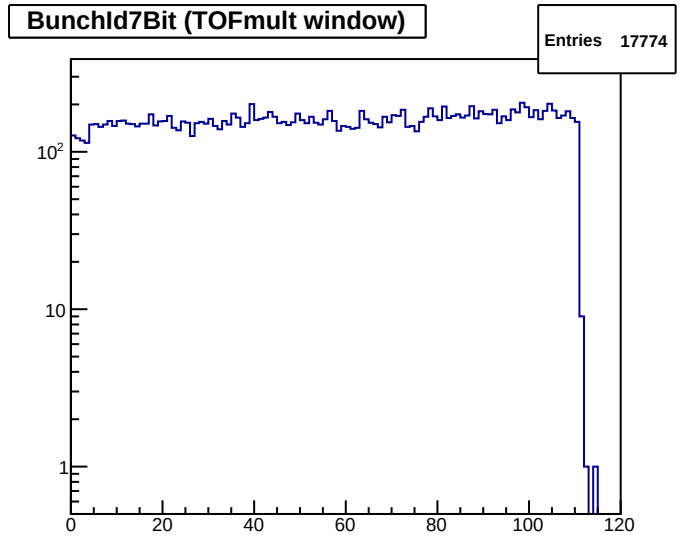

BunchId7Bit (VPD-TAC)
Entries 265747

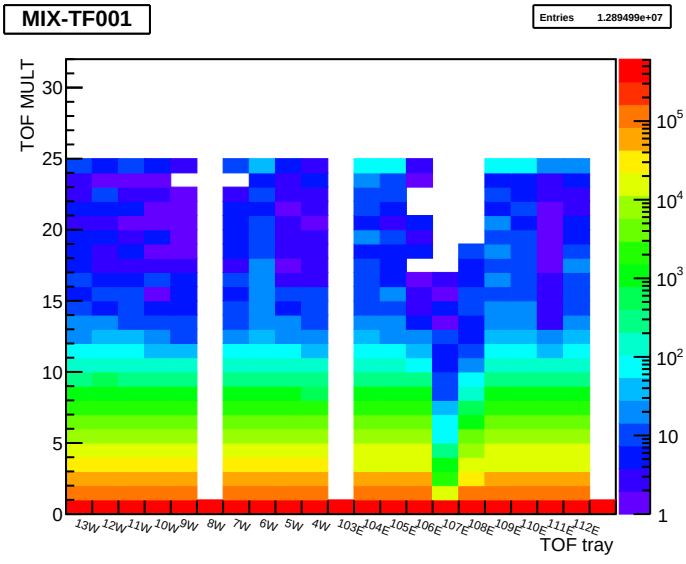

BunchId7Bit (ZDC-TAC)
Entries 1066

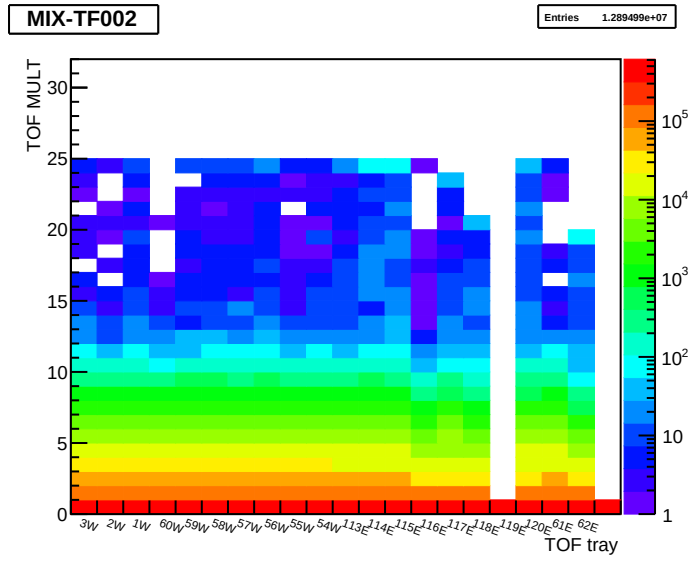

BunchId7Bit (EPD-TAC)
Entries 485068

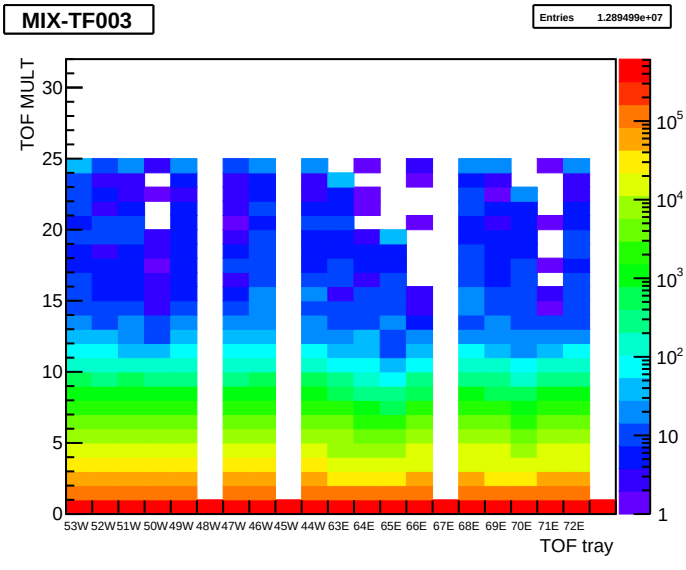

BunchId7Bit (BBC-TAC)
Entries 189491

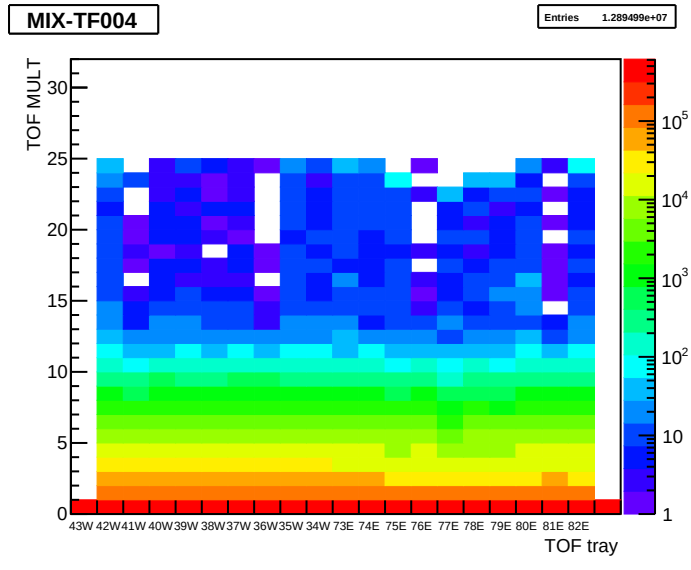

BunchId7Bit (Laser)
Entries 0

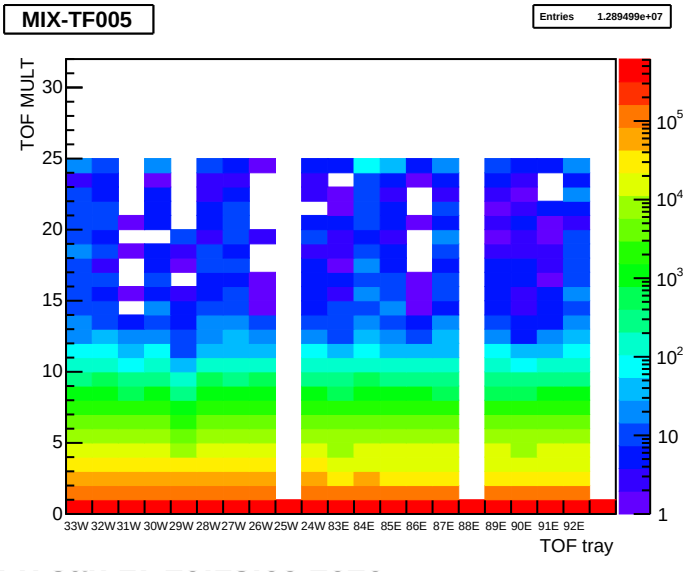

BunchId7Bit (TOFmult window)
Entries 17774

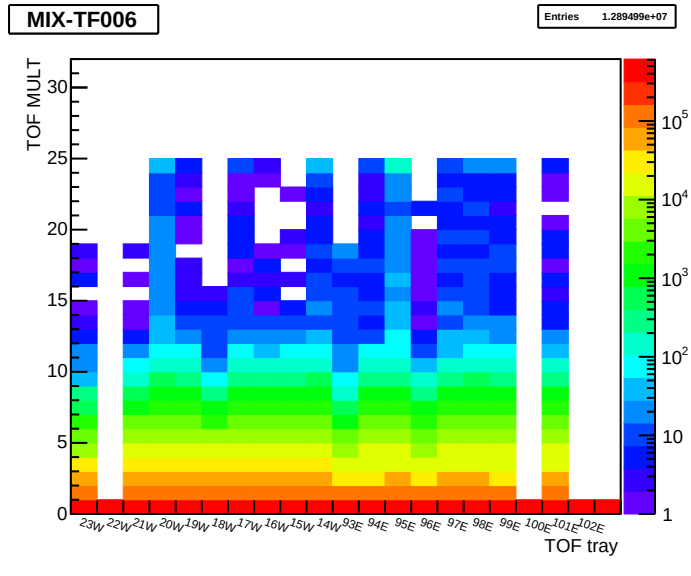

MIX-TF001
Entries 1.289499e+07
TOF MULT
TOF tray

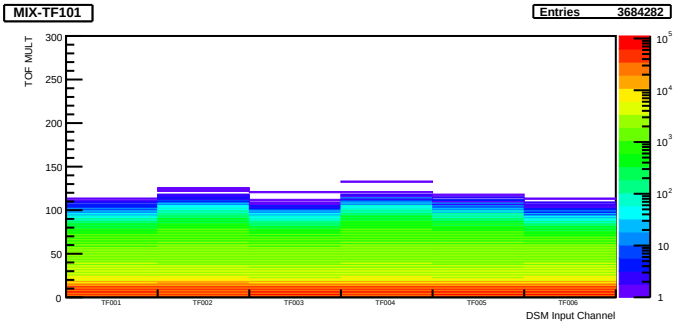

MIX-TF002
Entries 1.289499e+07
TOF MULT
TOF tray

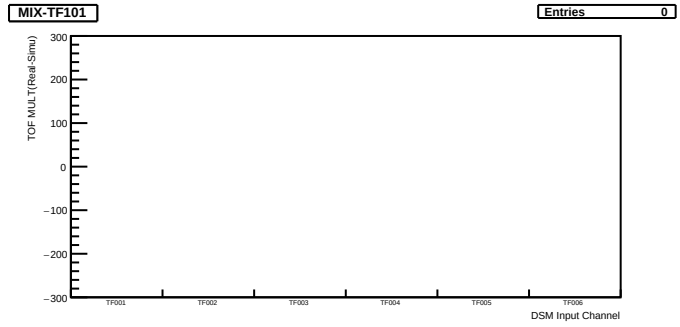

MIX-TF003
Entries 1.289499e+07
TOF MULT
TOF tray

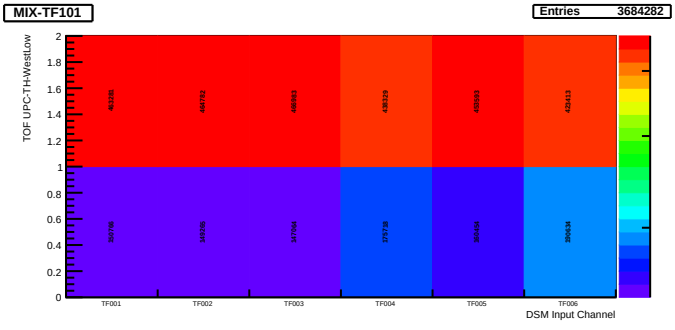

MIX-TF004
Entries 1.289499e+07
TOF MULT
TOF tray

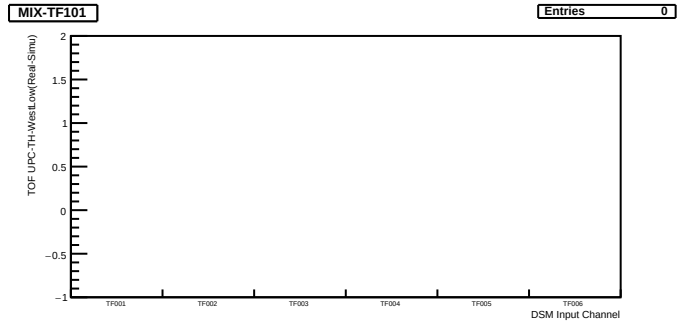

MIX-TF005
Entries 1.289499e+07
TOF MULT
TOF tray

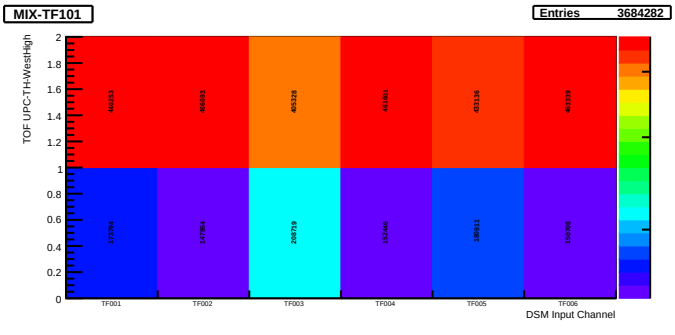

MIX-TF006
Entries 1.289499e+07
TOF MULT
TOF tray

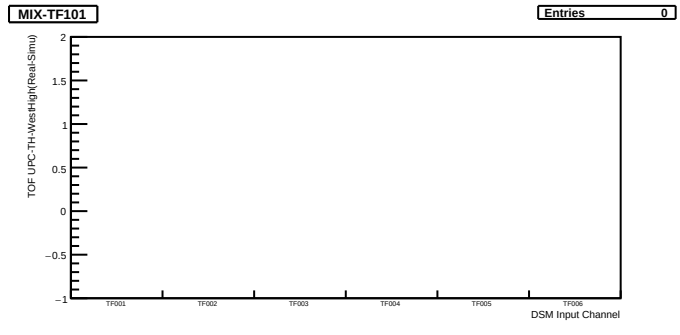

MIX-TF101
Entries 3684282
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

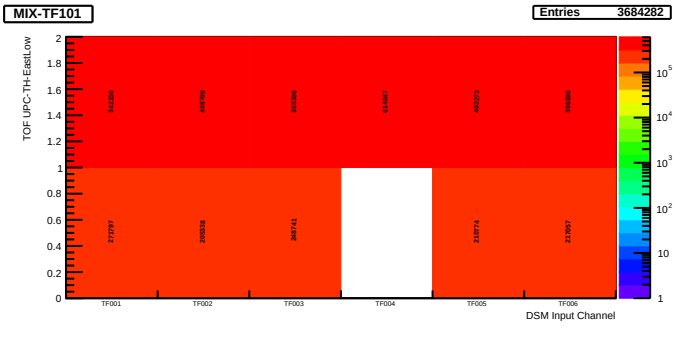

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

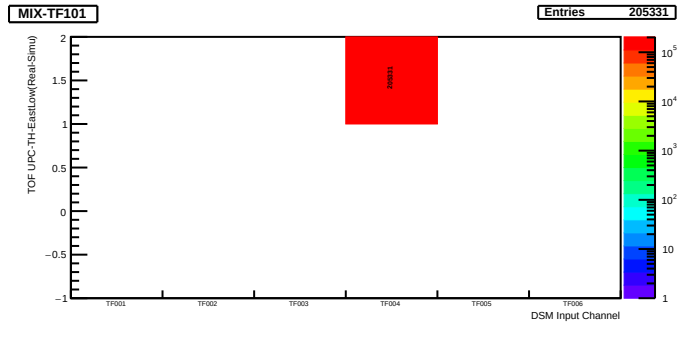

MIX-TF101
Entries 3684282
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

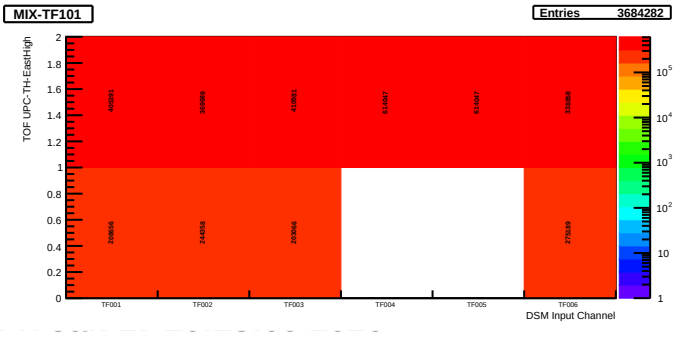

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

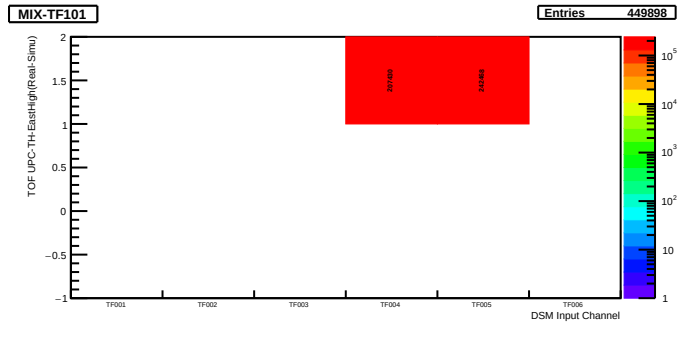

MIX-TF101
Entries 3684282
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

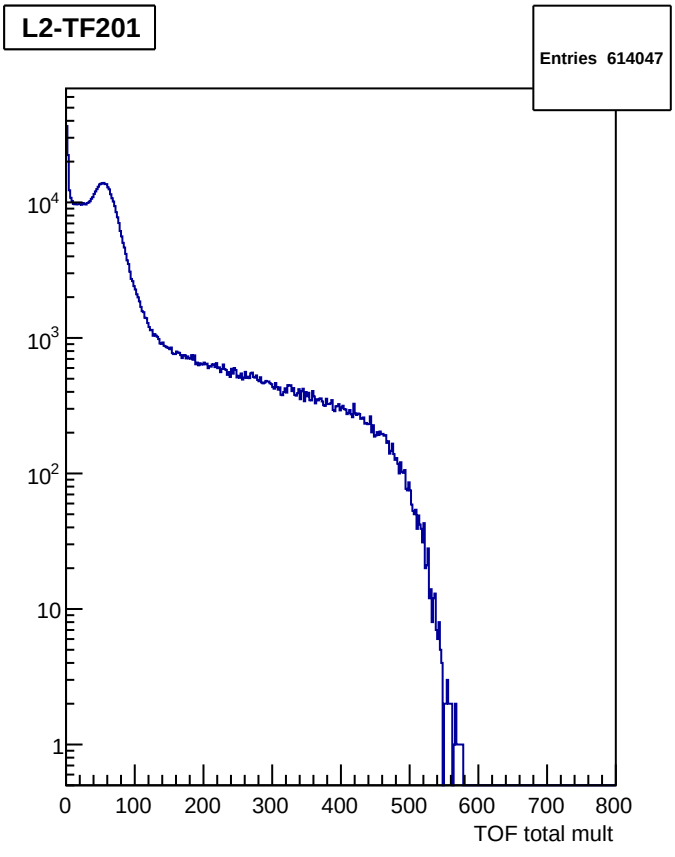

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

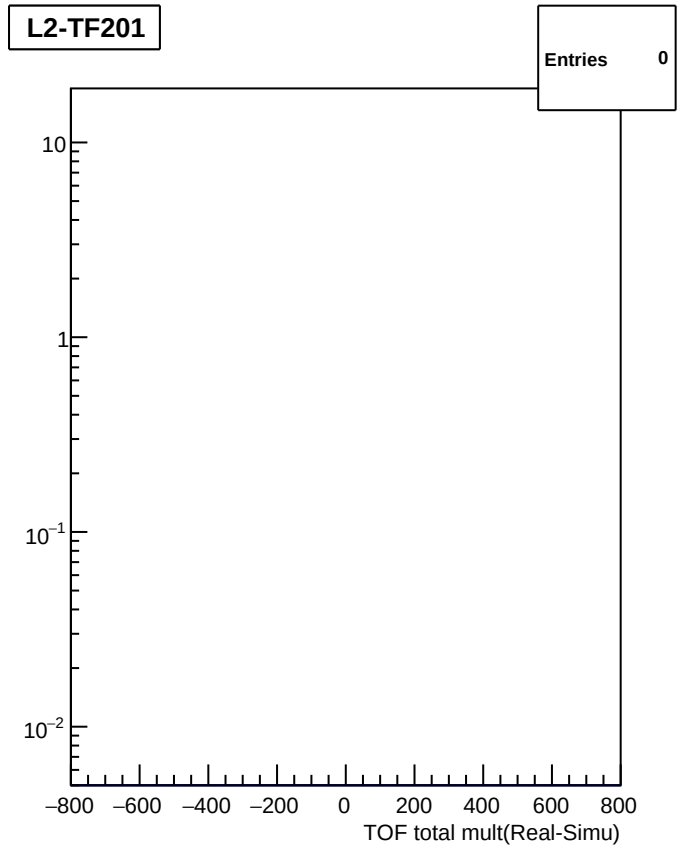

MIX-TF101
Entries 3684282
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

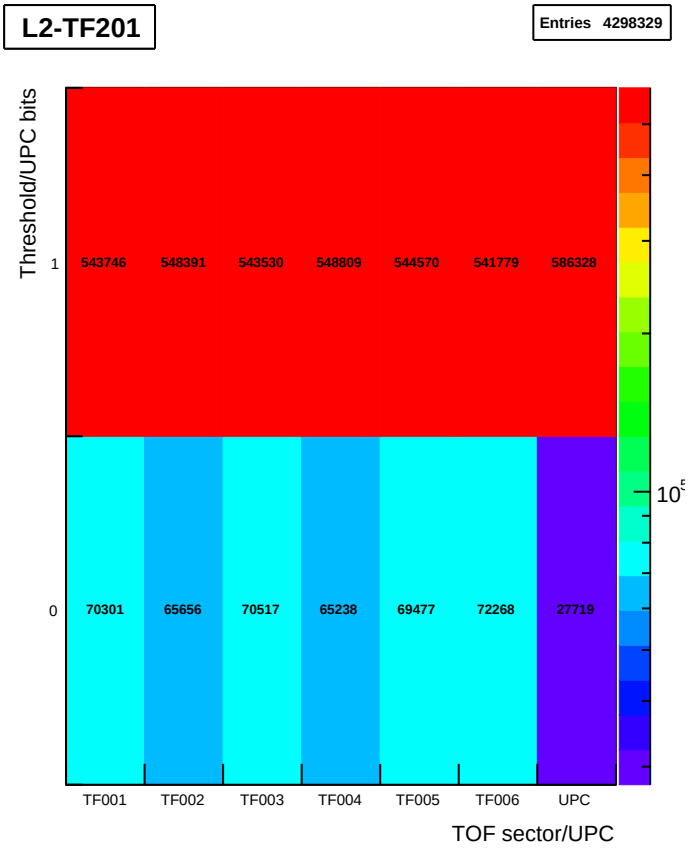

MIX-TF101
Entries 205331
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

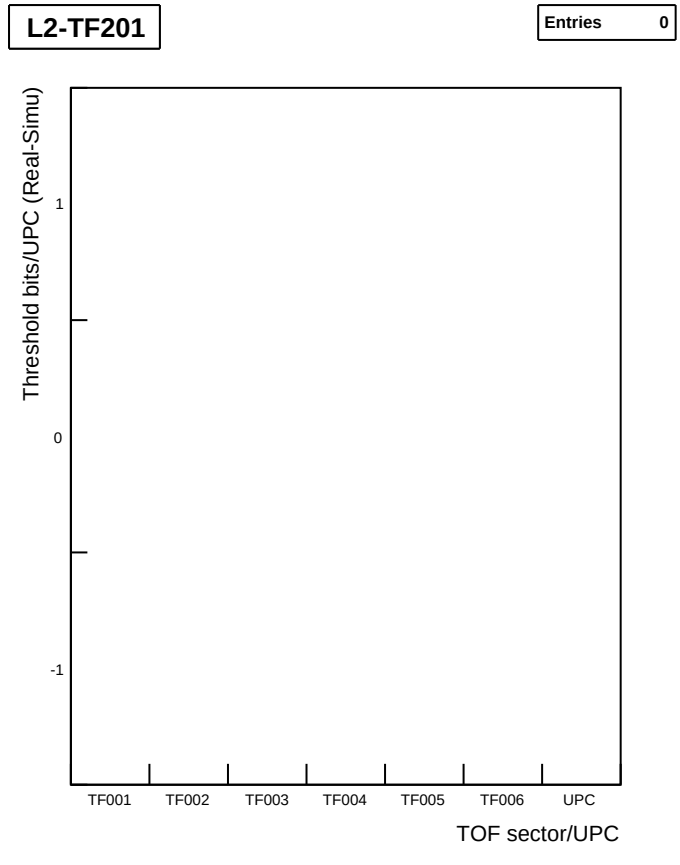

MIX-TF101
Entries 3684282
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

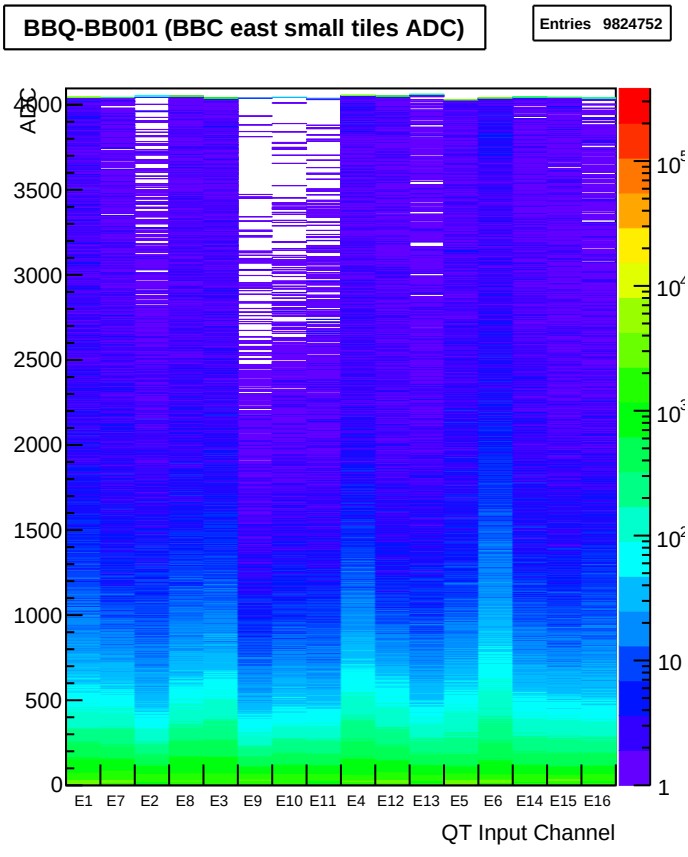

MIX-TF101
Entries 449898
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

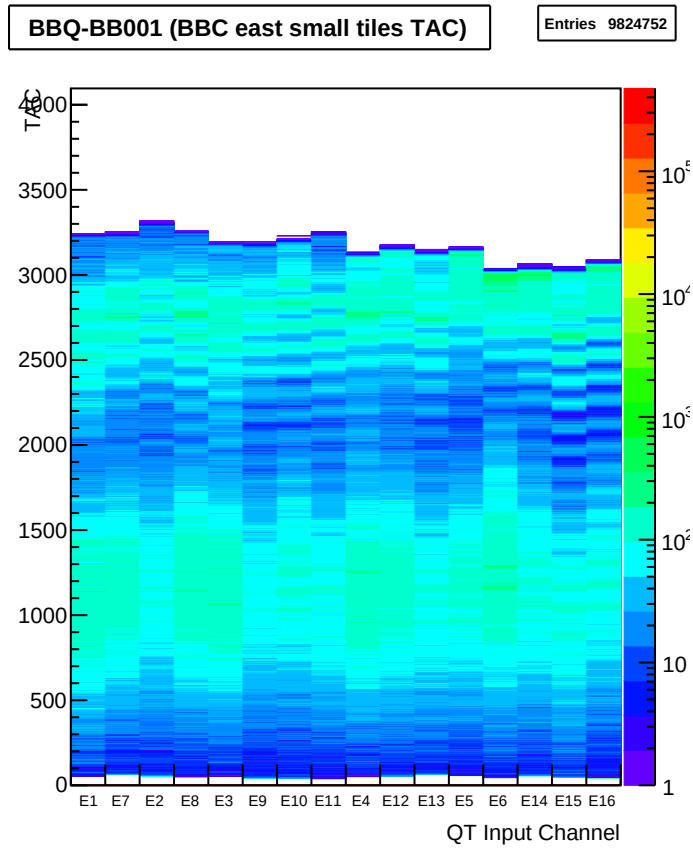

L2-TF201
Entries 614047
TOF total mult

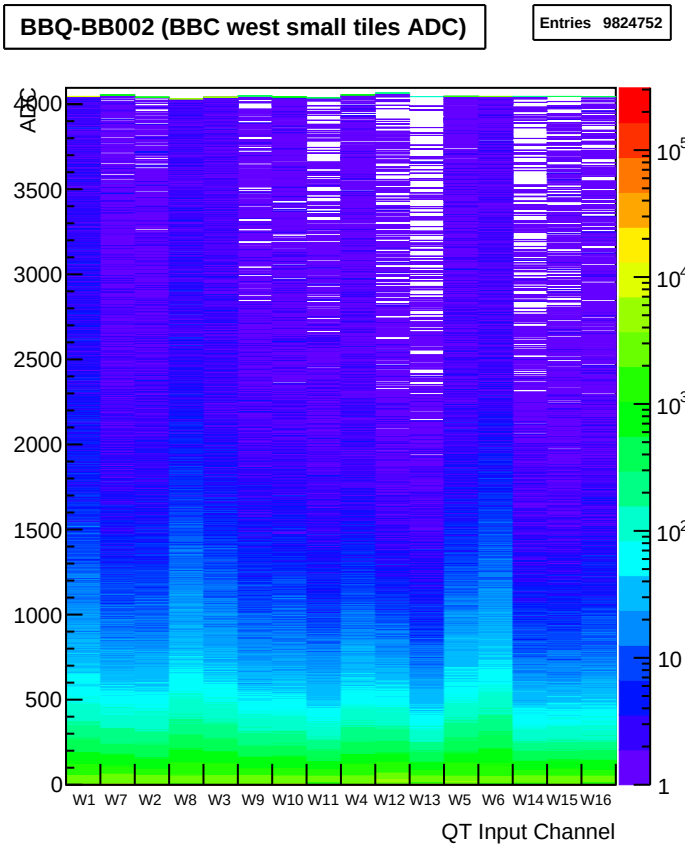

L2-TF201
Entries 0
TOF total mult(Real-Simu)

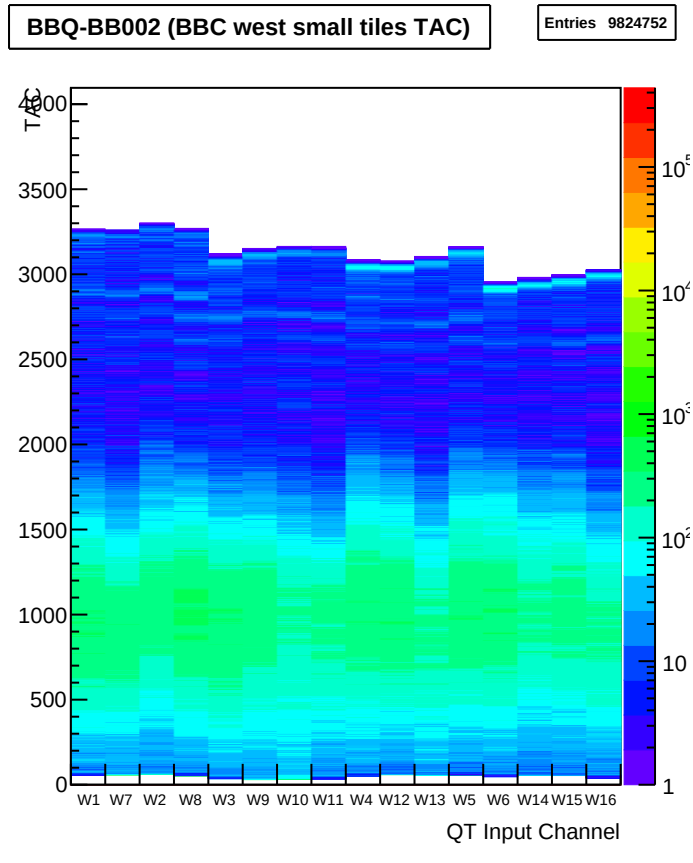

L2-TF201
Entries 4298329
Threshold/UPC bits
543746
548391
543530
548809
544570
541779
586328
70301
65656
70517
65238
69477
72268
27719
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

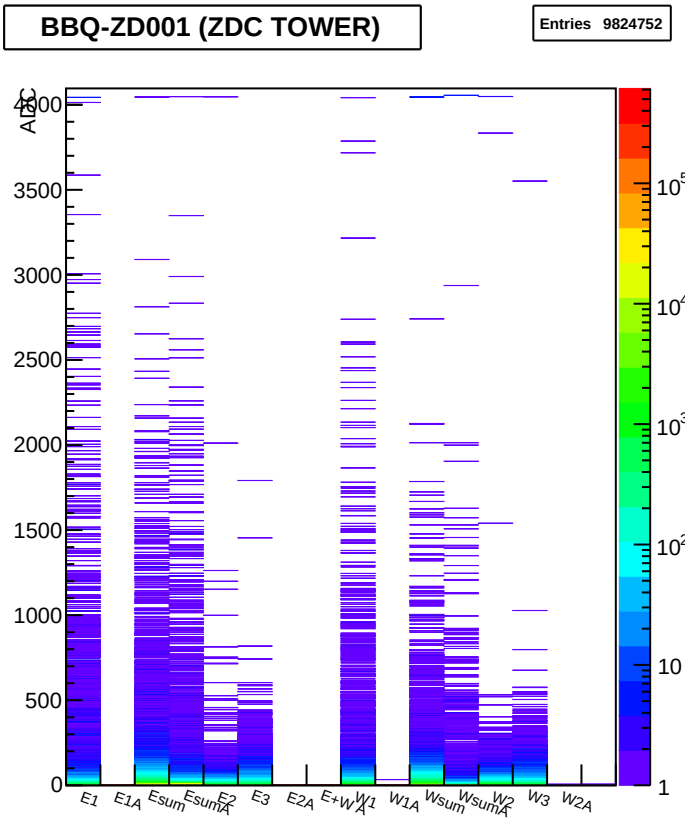

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

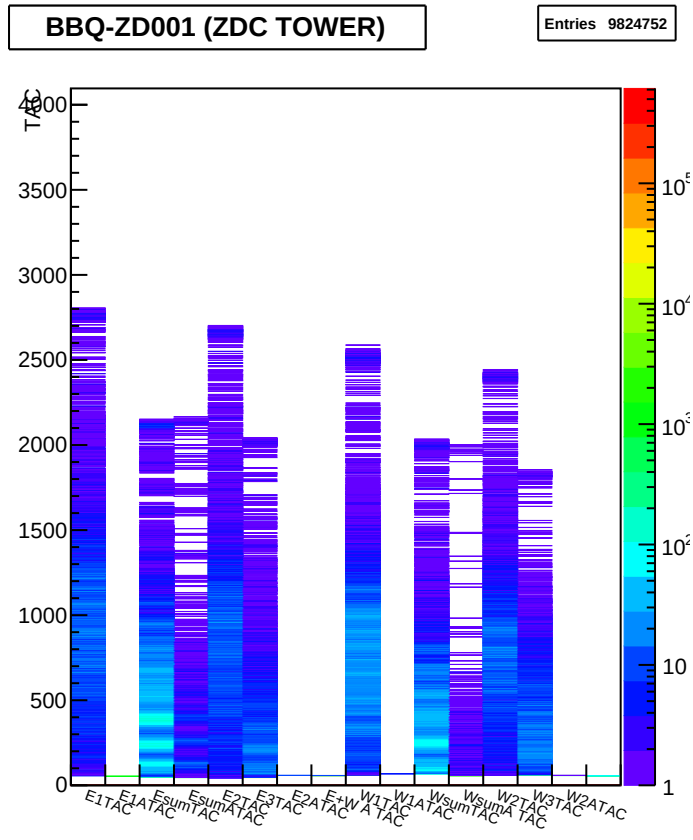

BBQ-BB001 (BBC east small tiles ADC)
Entries 9824752
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

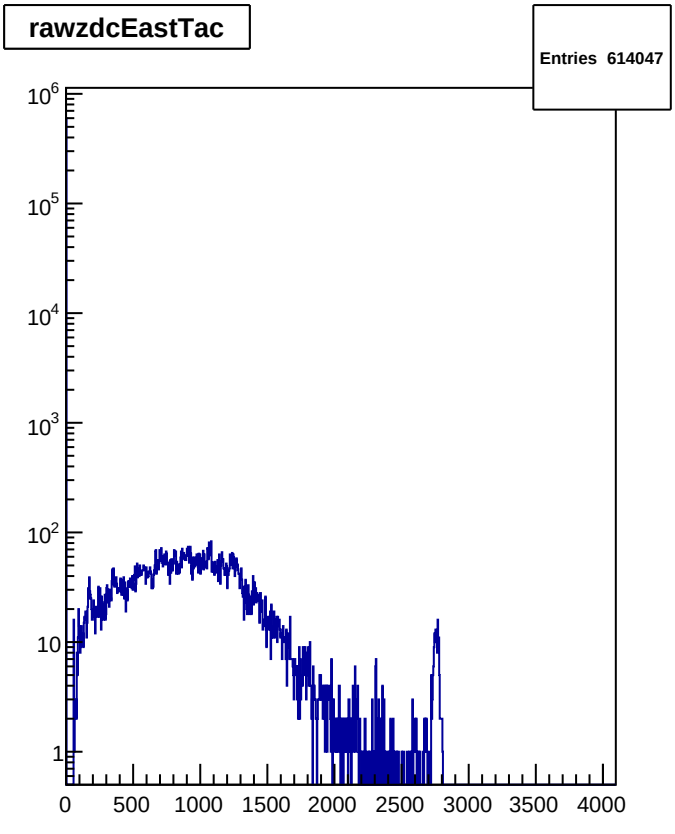

BBQ-BB001 (BBC east small tiles TAC)
Entries 9824752
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

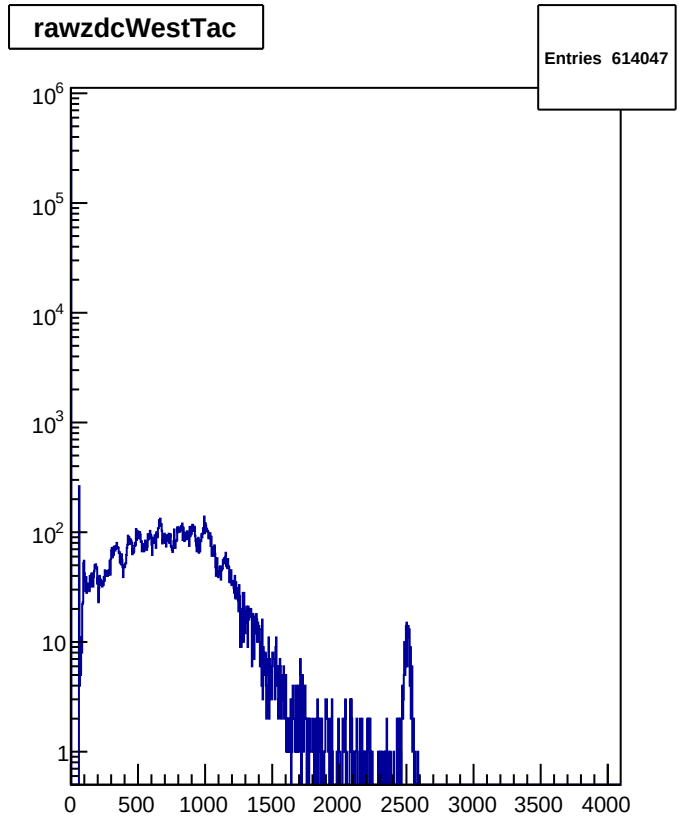

BBQ-BB002 (BBC west small tiles ADC)
Entries 9824752
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

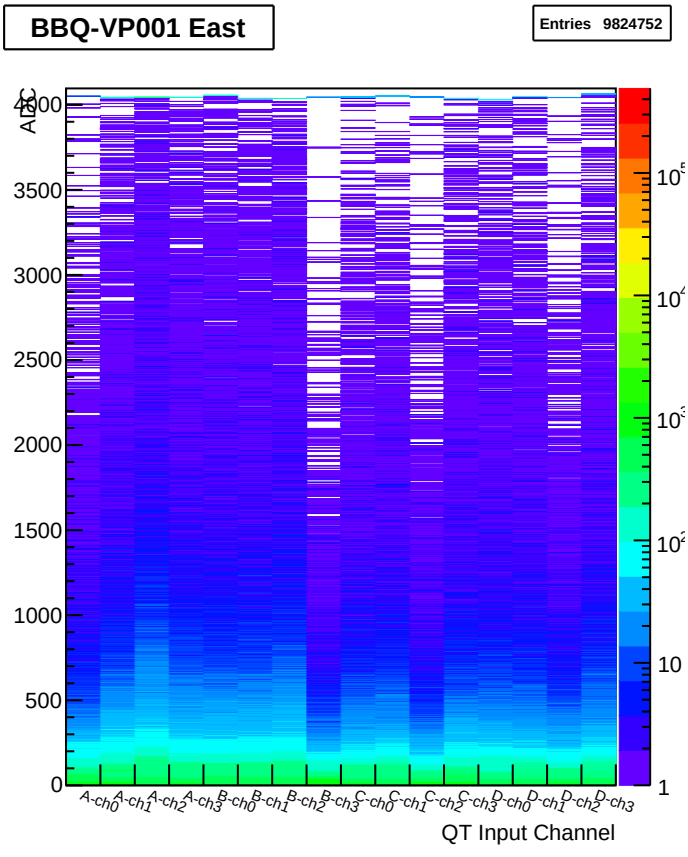

BBQ-BB002 (BBC west small tiles TAC)
Entries 9824752
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

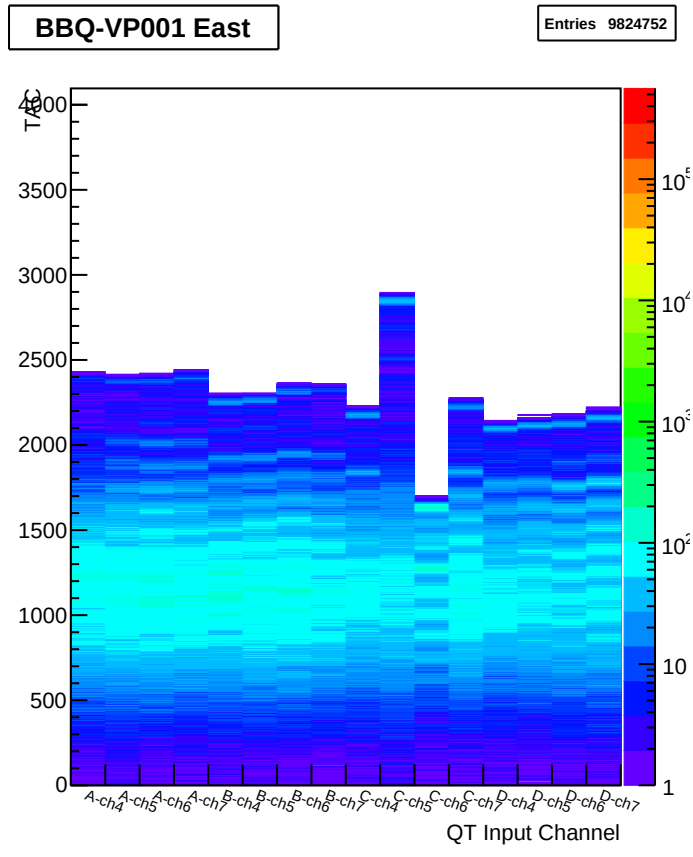

BBQ-ZD001 (ZDC TOWER)
Entries 9824752
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

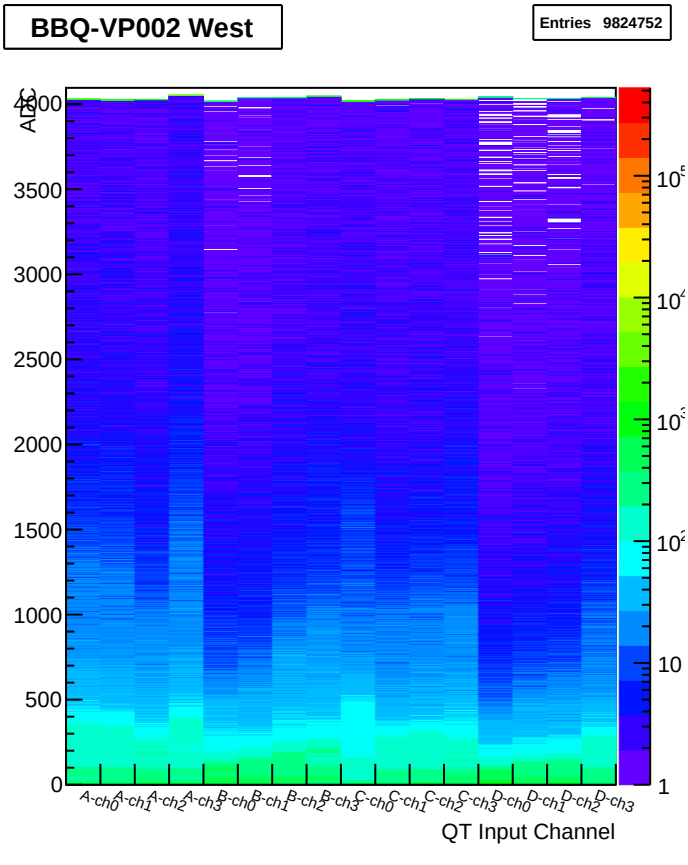

BBQ-ZD001 (ZDC TOWER)
Entries 9824752
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

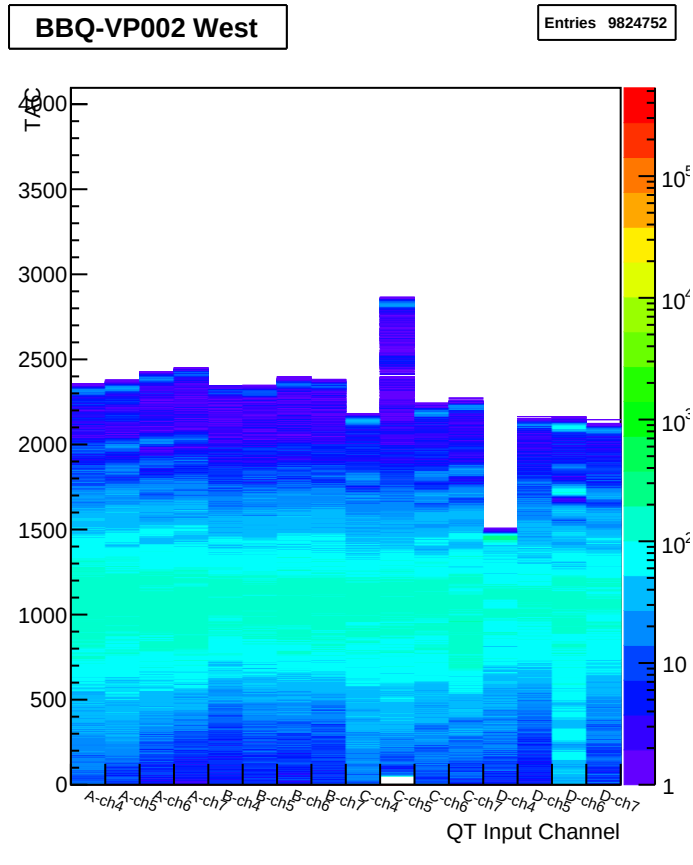

rawzdcEastTac
Entries 614047

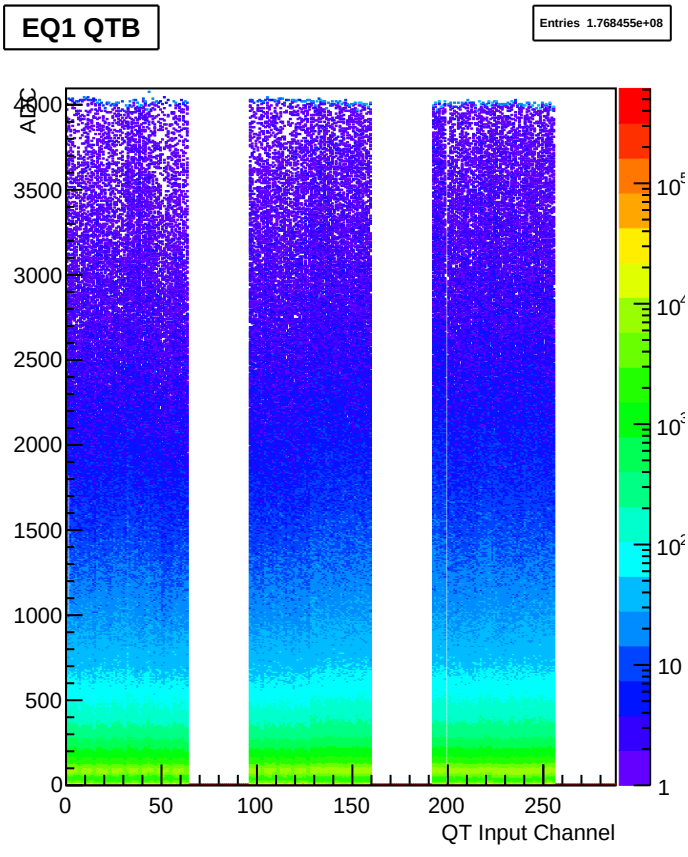

rawzdcWestTac
Entries 614047

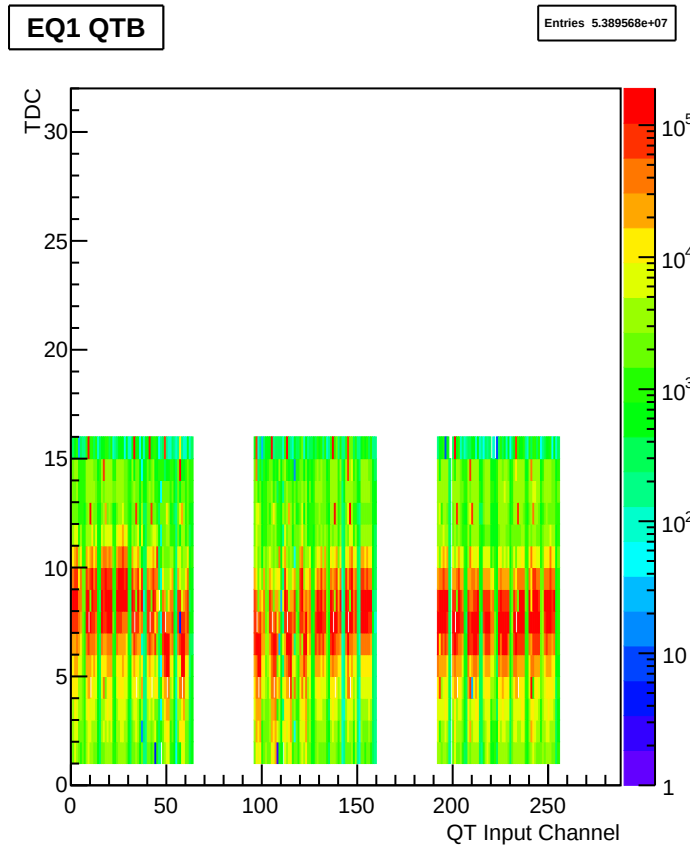

BBQ-VP001 East
Entries 9824752
ADC
QT Input Channel

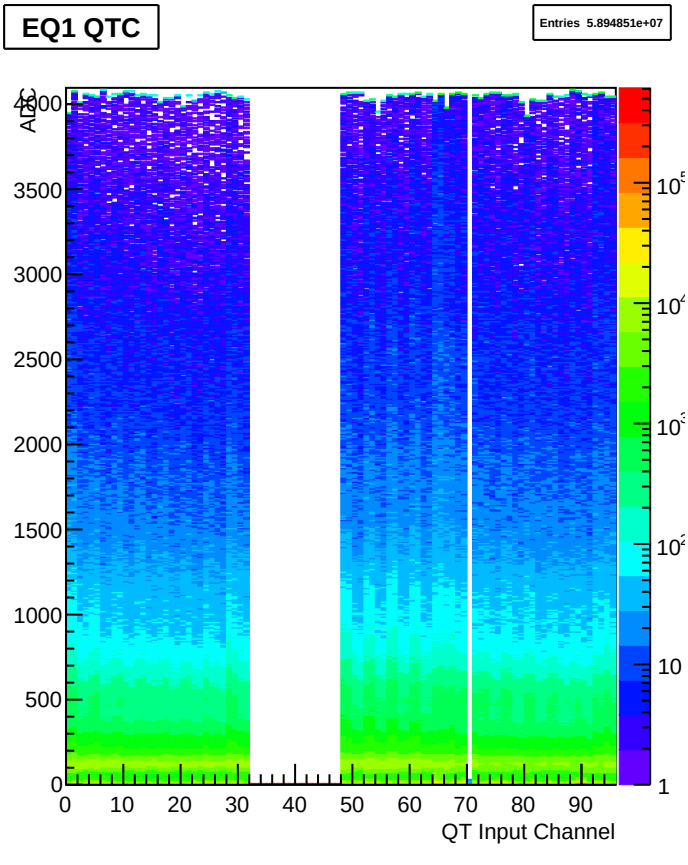

BBQ-VP001 East
Entries 9824752
ADC
QT Input Channel

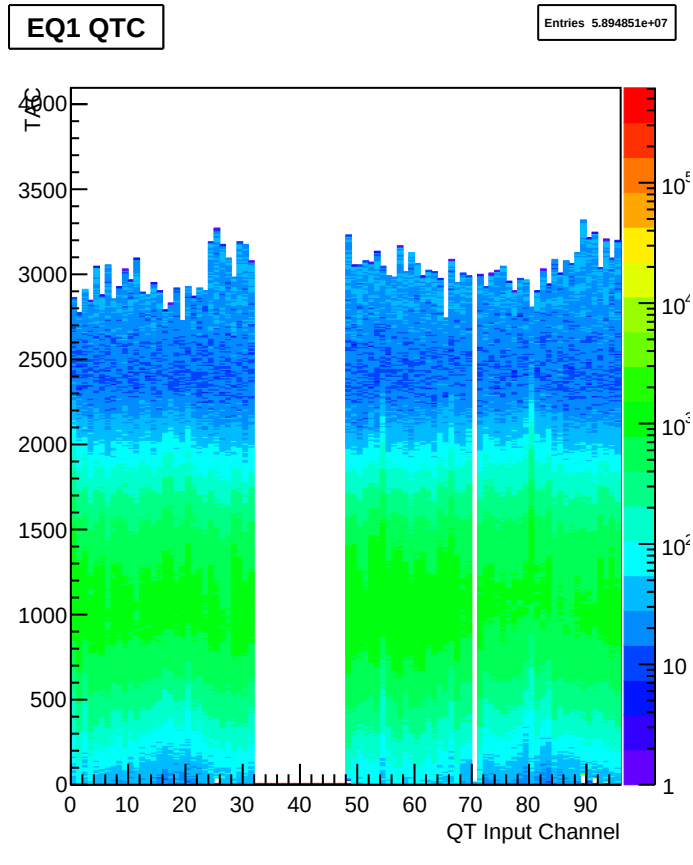

BBQ-VP002 West
Entries 9824752
ADC
QT Input Channel

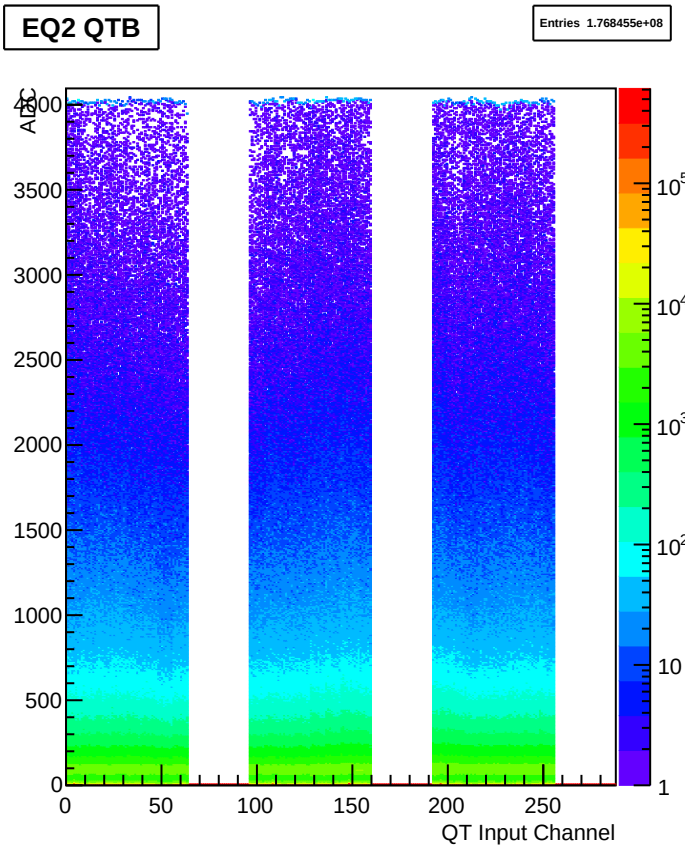

BBQ-VP002 West
Entries 9824752
ADC
QT Input Channel

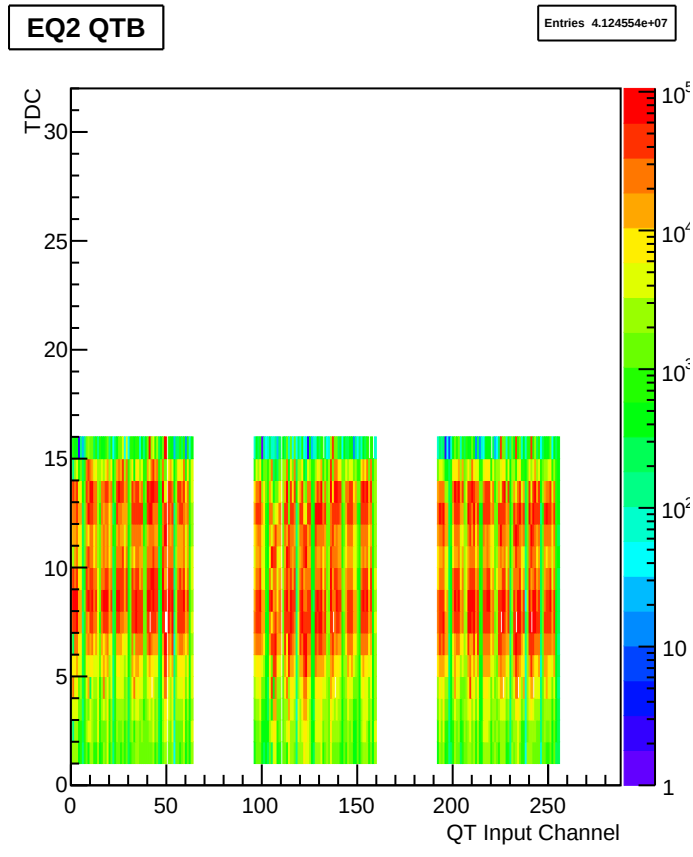

EQ1 QTB
Entries 1.768455e+08
ADC
QT Input Channel

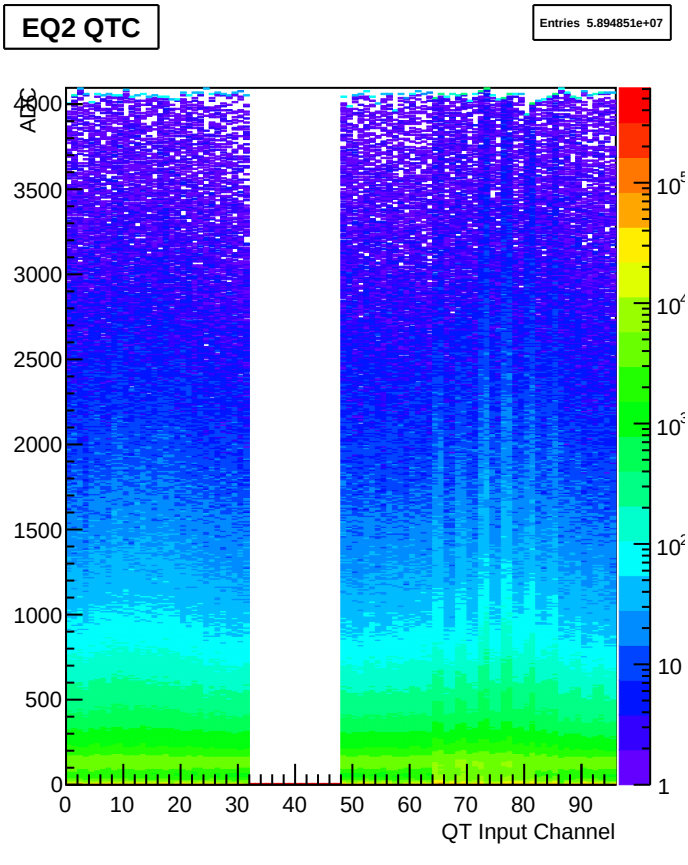

EQ1 QTB
Entries 5.389568e+07
TDC
QT Input Channel

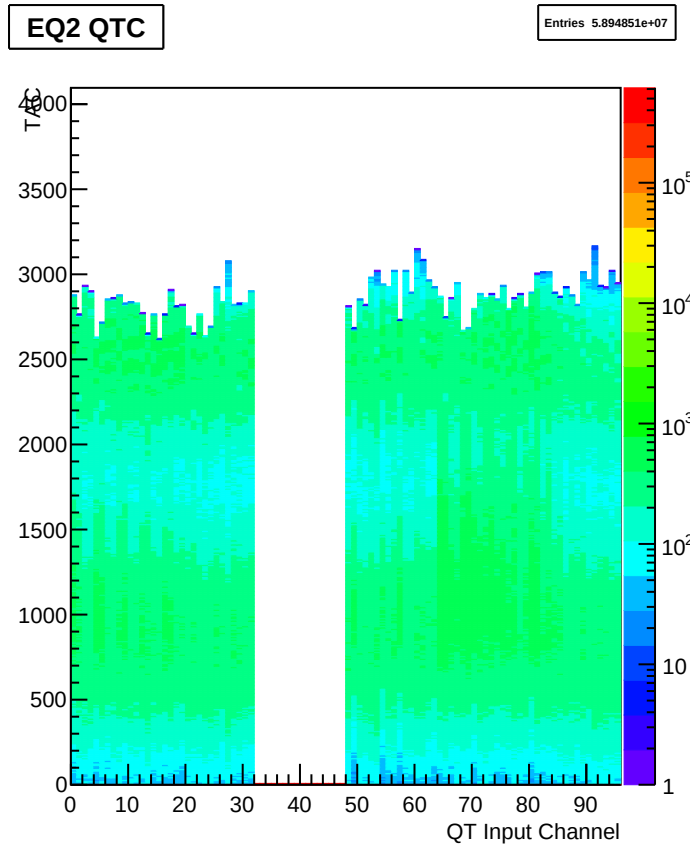

EQ1 QTC
Entries 5.894851e+07
ADC
QT Input Channel

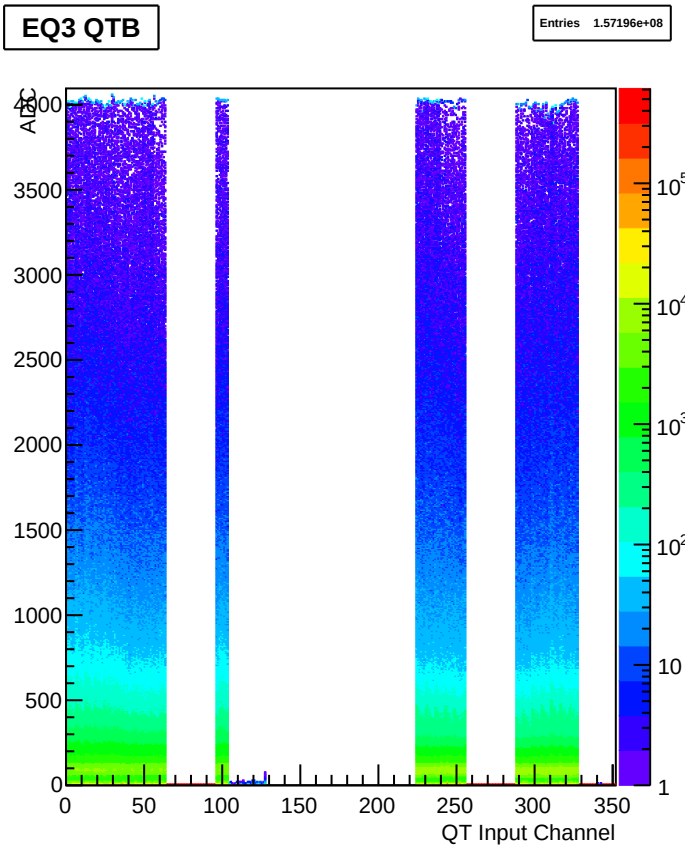

EQ1 QTC
Entries 5.894851e+07
TADC
QT Input Channel

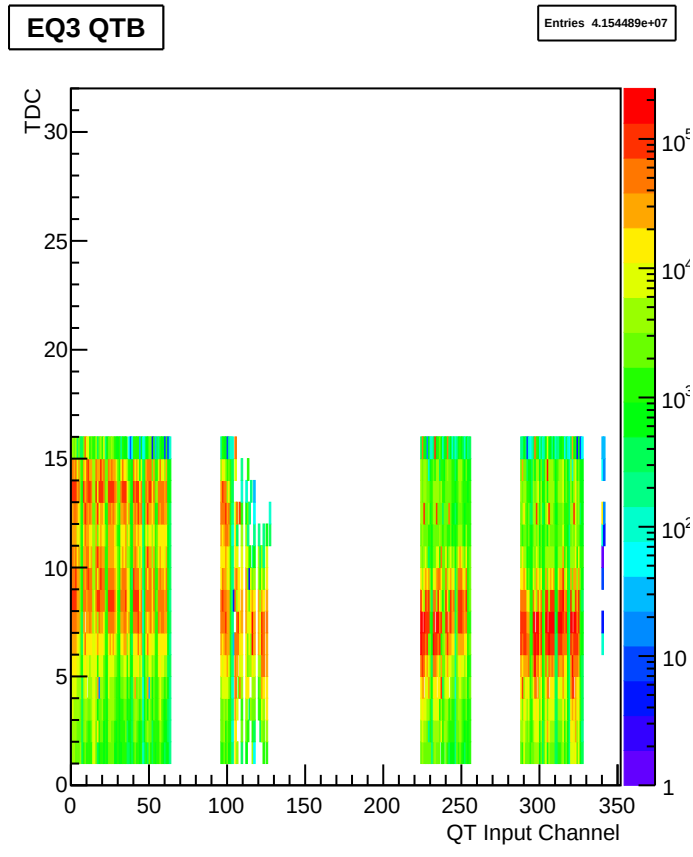

EQ2 QTB
Entries 1.768455e+08
ADC
QT Input Channel

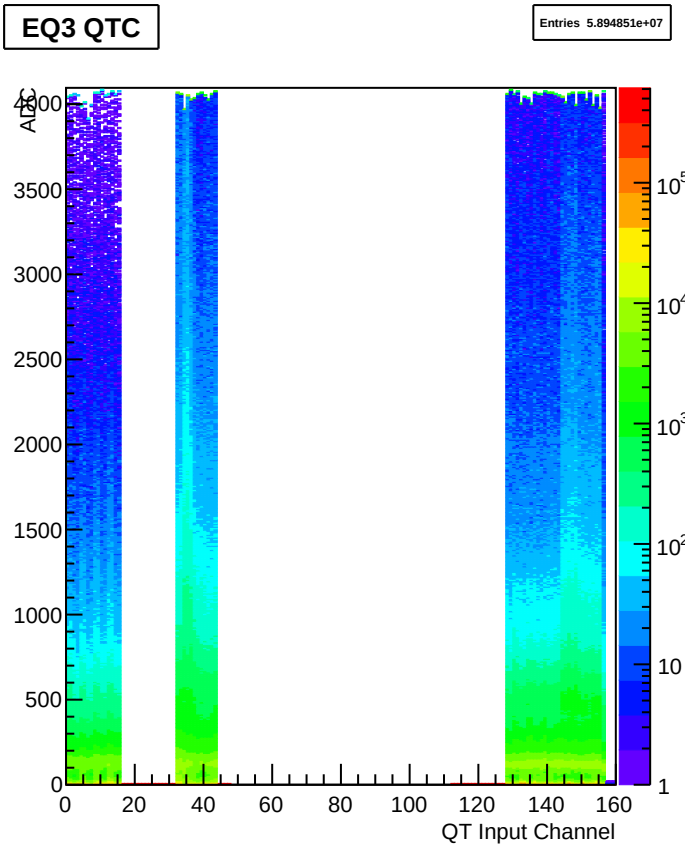

EQ2 QTB
Entries 4.124554e+07
TDC
QT Input Channel

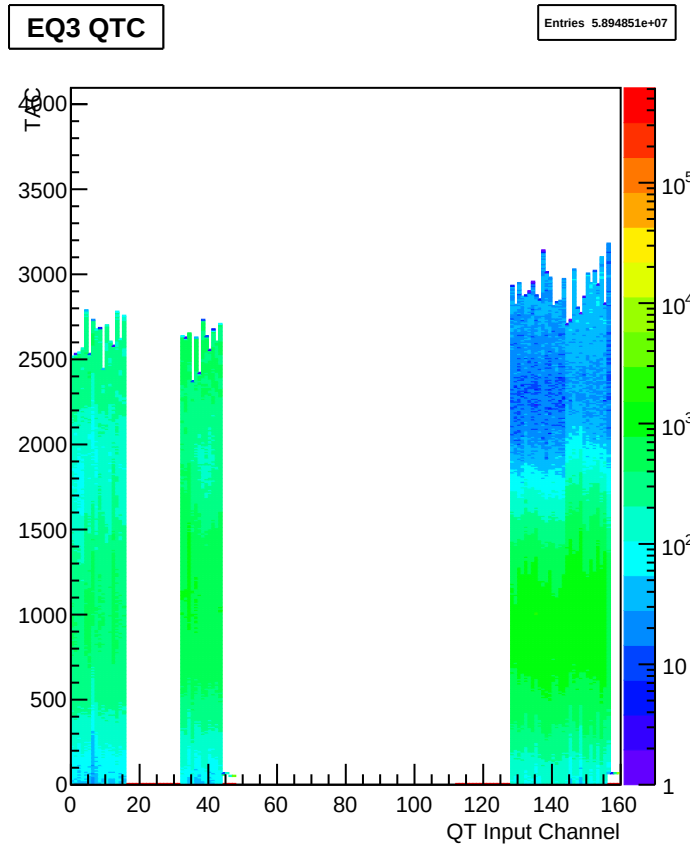

EQ2 QTC
Entries 5.894851e+07
ADC
QT Input Channel

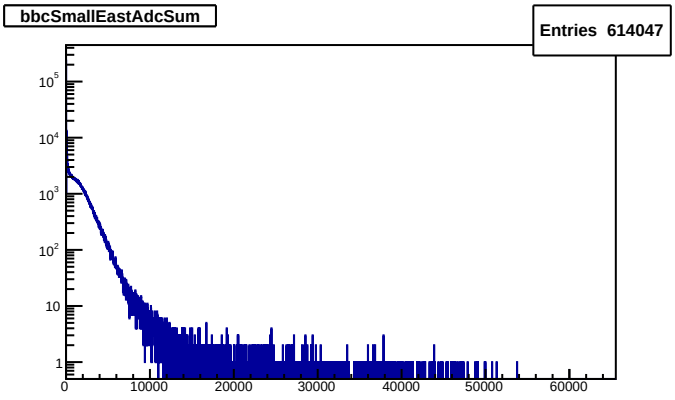

EQ2 QTC
Entries 5.894851e+07
TADC
QT Input Channel

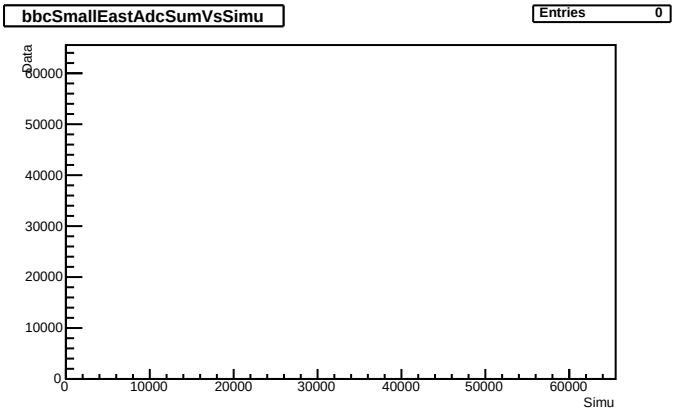

EQ3 QTB
Entries 1.57196e+08
ADC
QT Input Channel

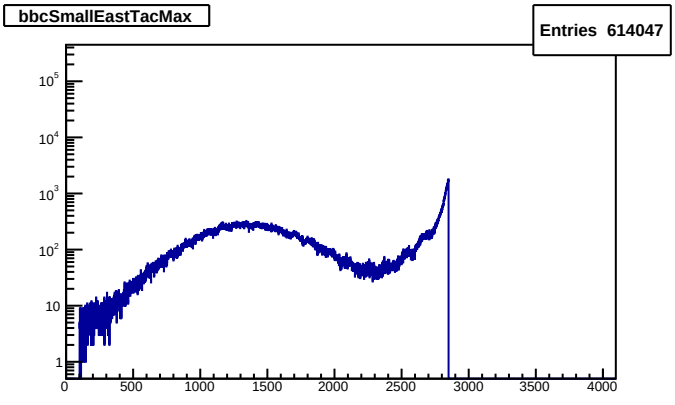

EQ3 QTB
Entries 4.154489e+07
TDC
QT Input Channel


EQ3 QTC
Entries 5.894851e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.894851e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 614047


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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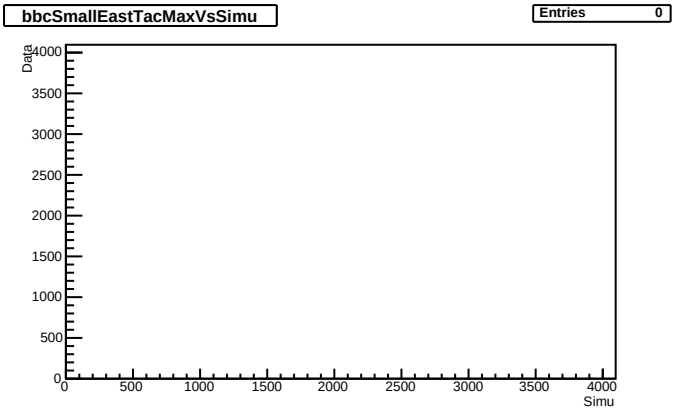
Entries 614047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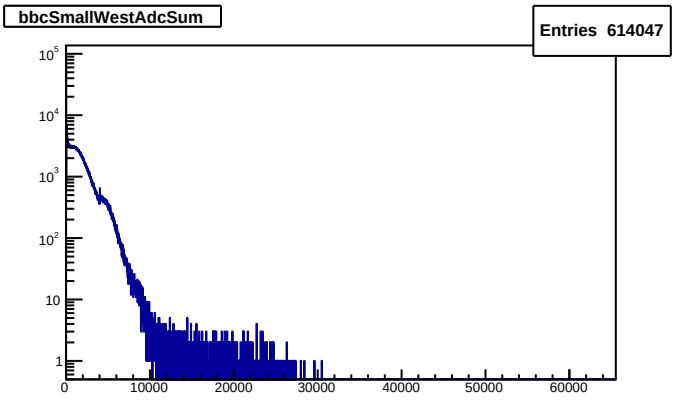
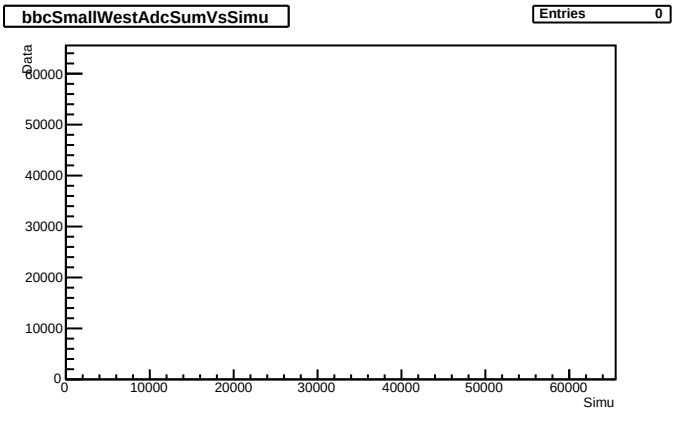
Data
Simu


bbcSmallWestAdcSum
Entries 614047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Entries 0
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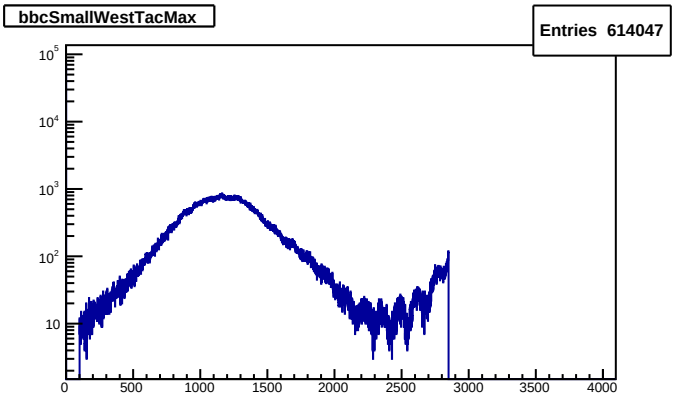
Simu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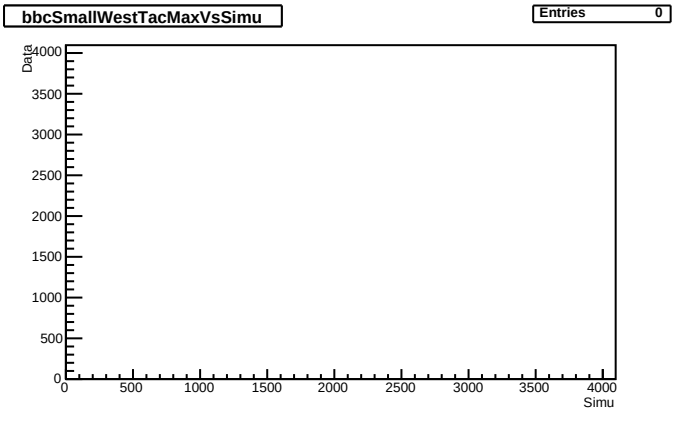
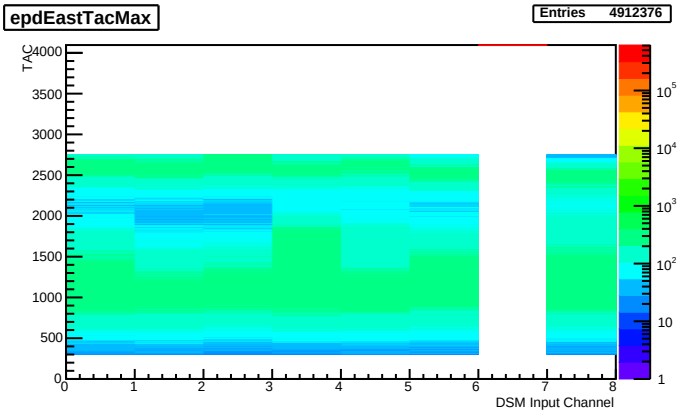
Entries 614047


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu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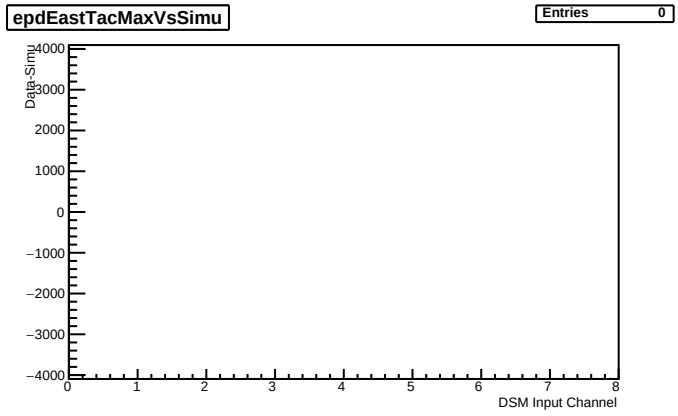
Entries 4912376
TAC
DSM Input Channel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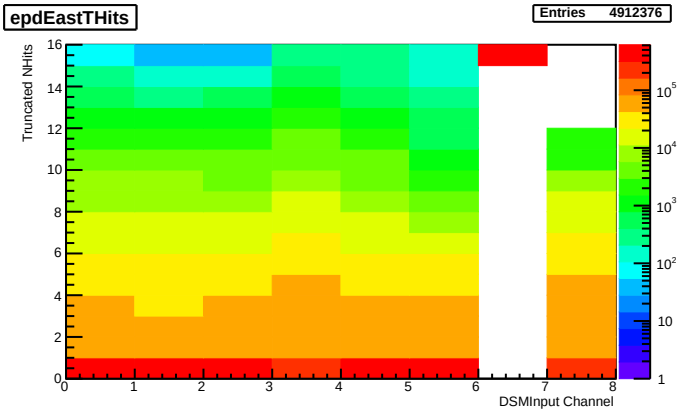
Entries 0
Data-Simu
DSM Input Channel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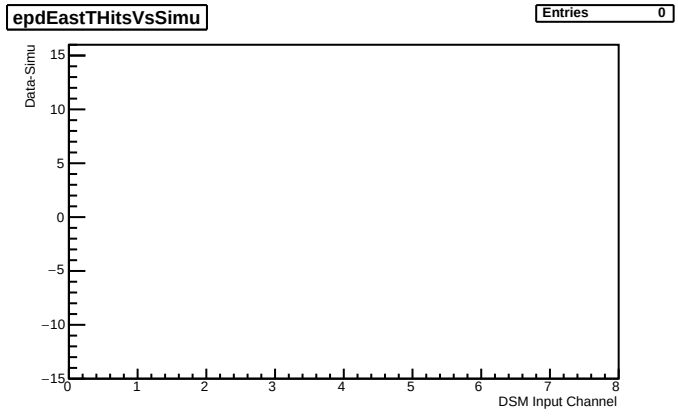
Entries 4912376
Truncated NHits
DSMInput Channel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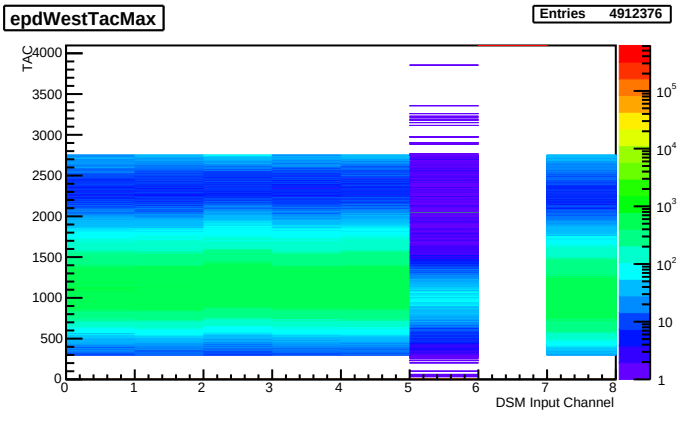
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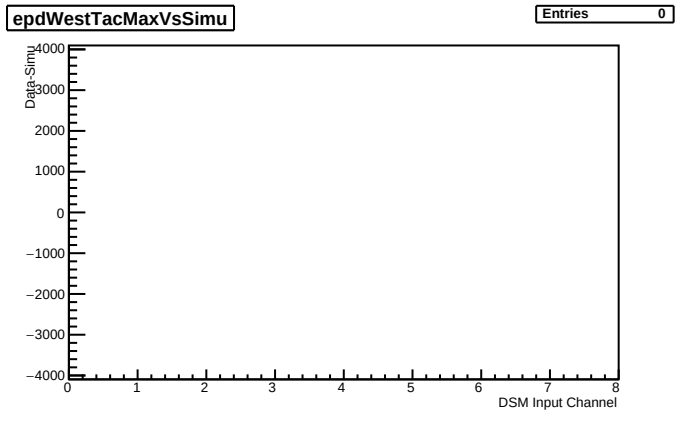
DSM Input Channel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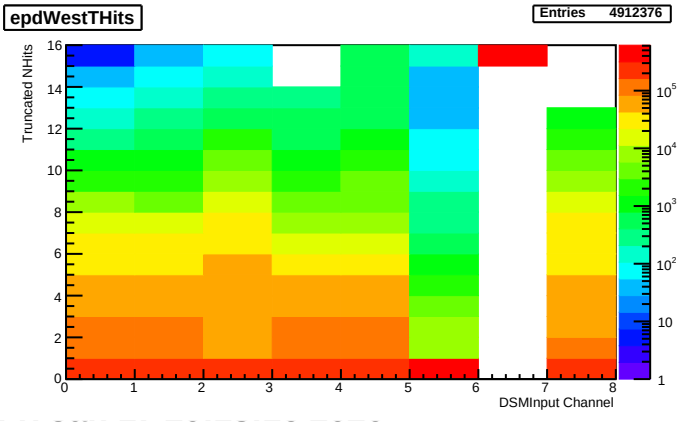
Entries 0
Data-Simu
DSM Input Channel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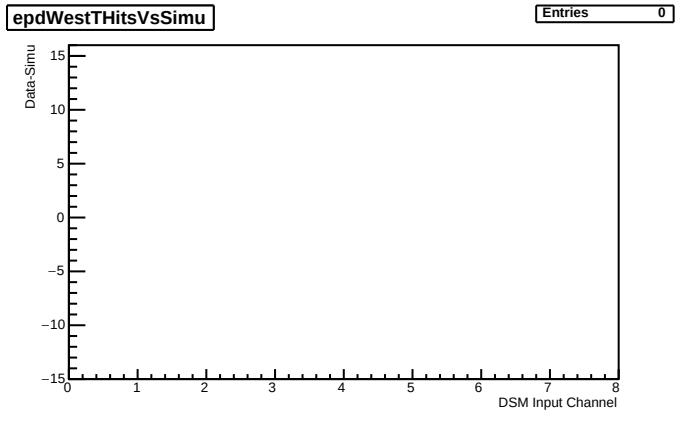
Entries 4912376
Truncated NHits
DSMInput Channel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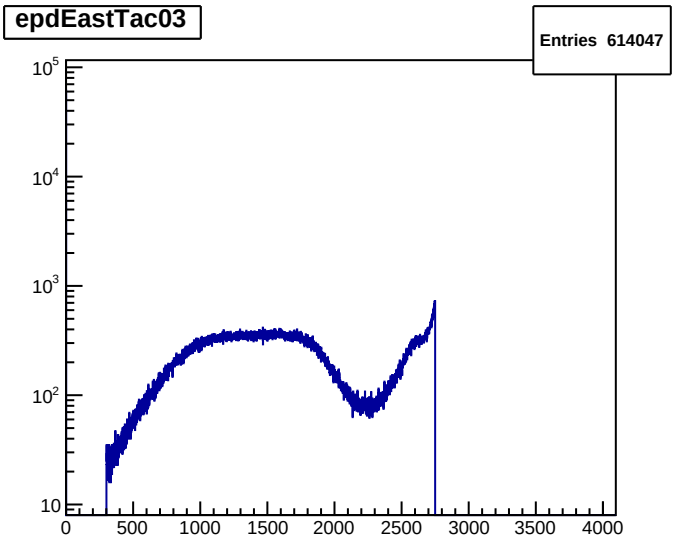
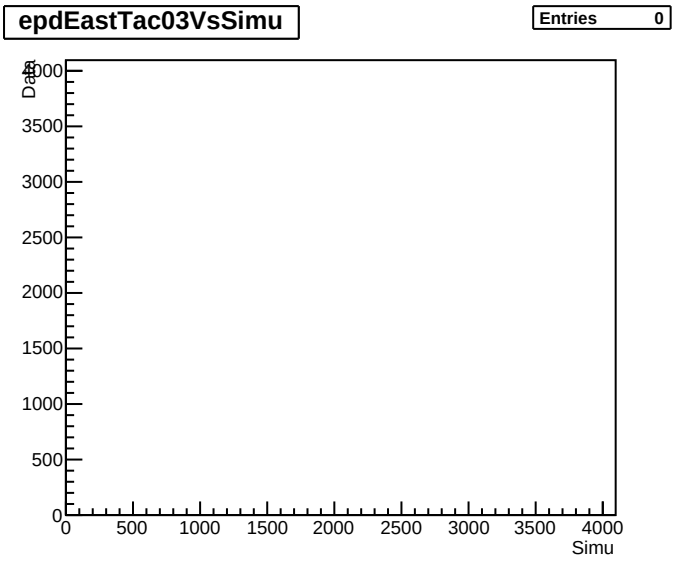
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 614047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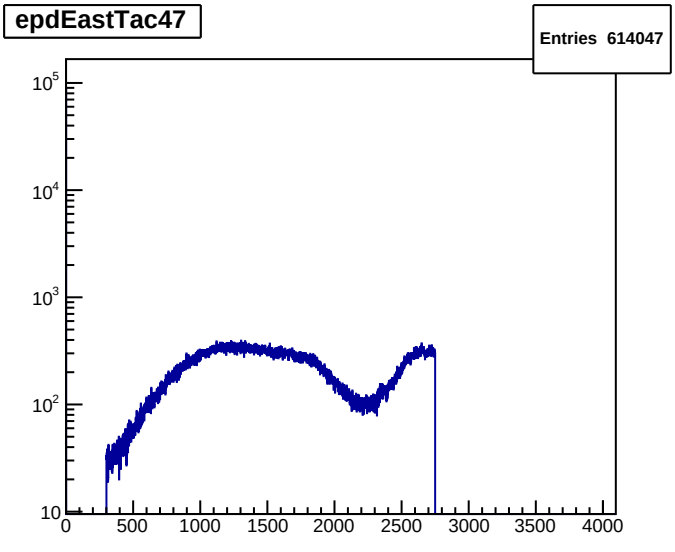
Entries 0
Data
Simu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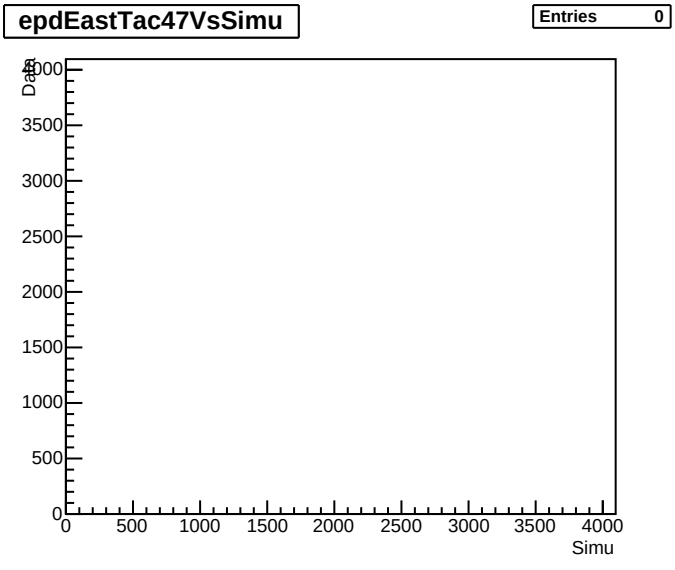
Entries 614047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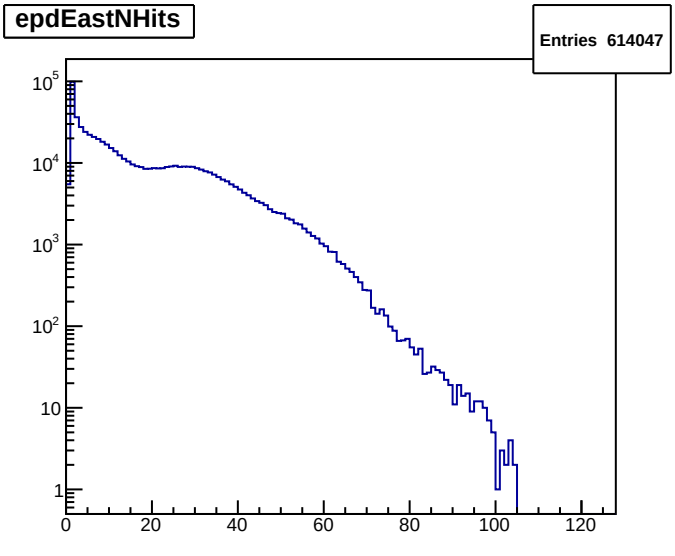
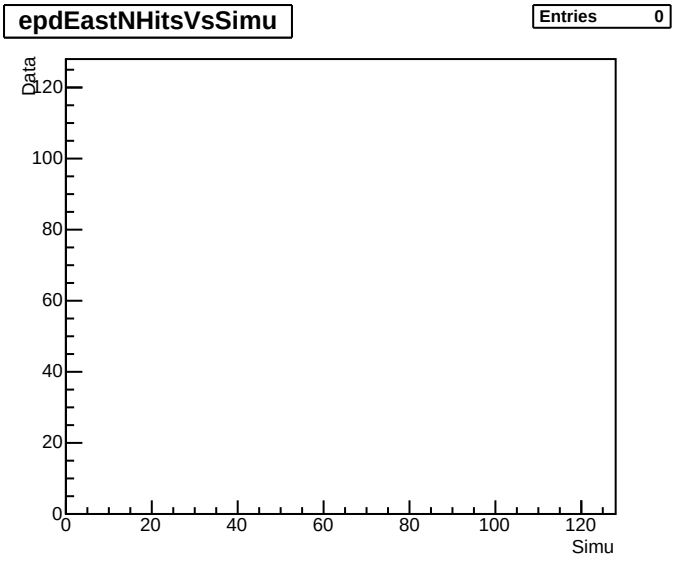
Data
Simu


epdEastNHits
Entries 614047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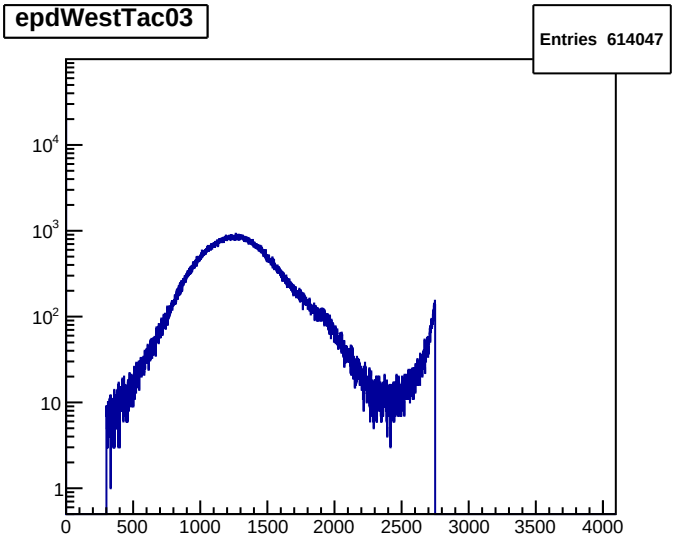
Data
Simu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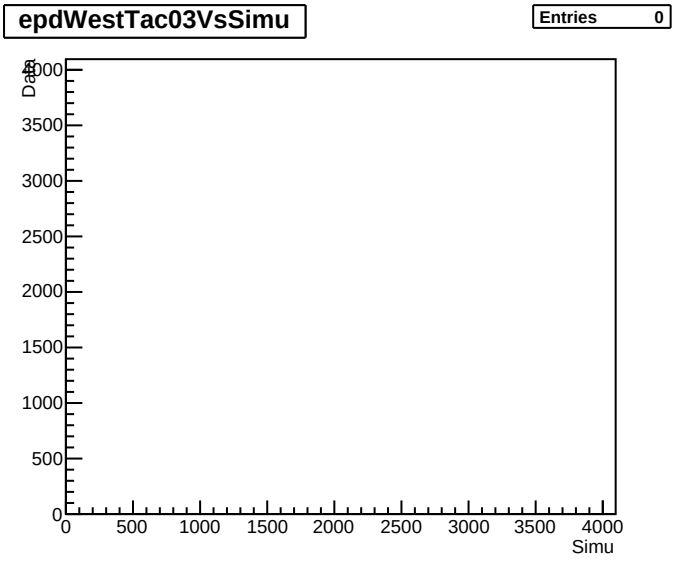
Entries 614047
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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Entries 0
Data
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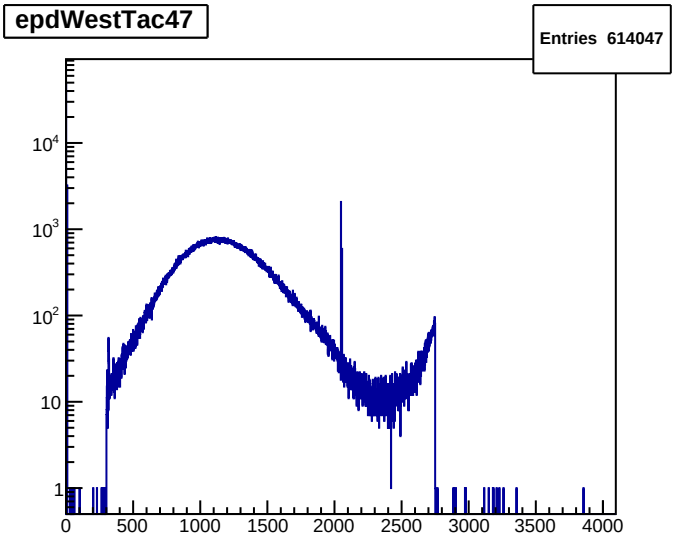
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 614047
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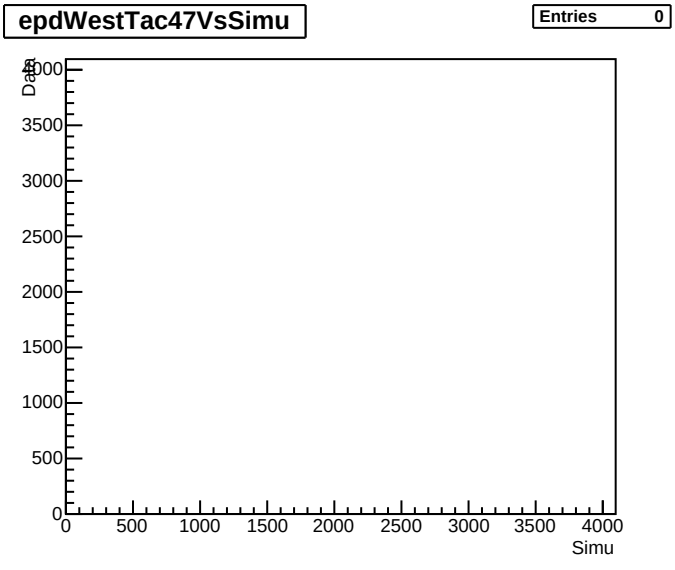
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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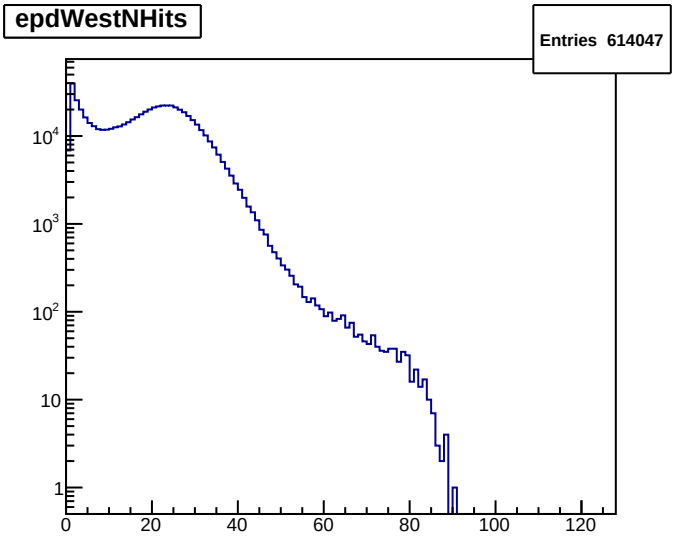
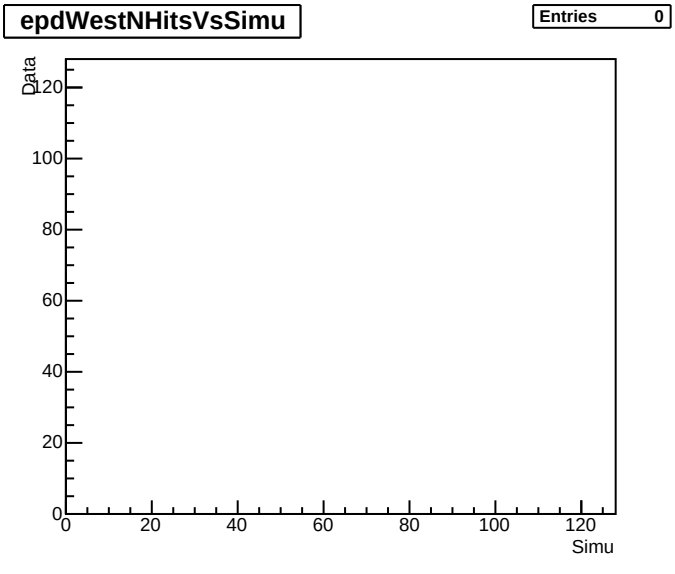
Simu


epdWestNHits
Entries 614047
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120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Entries 0
Data
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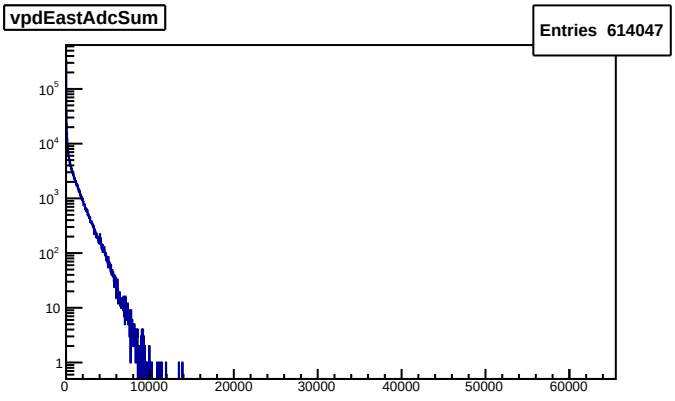
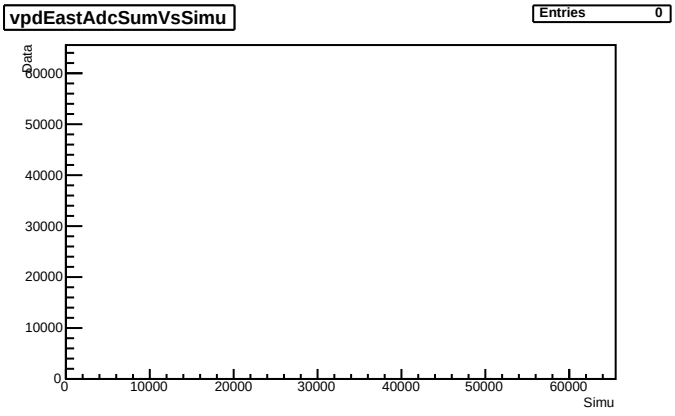
0 20 40 60 80 100 120
Simu


vpdEastAdcSum
Entries 614047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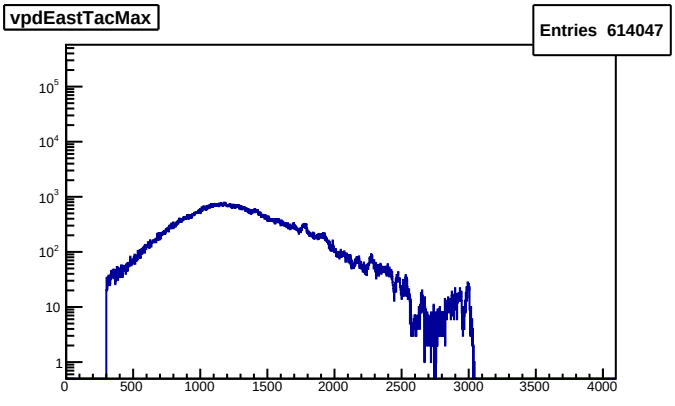
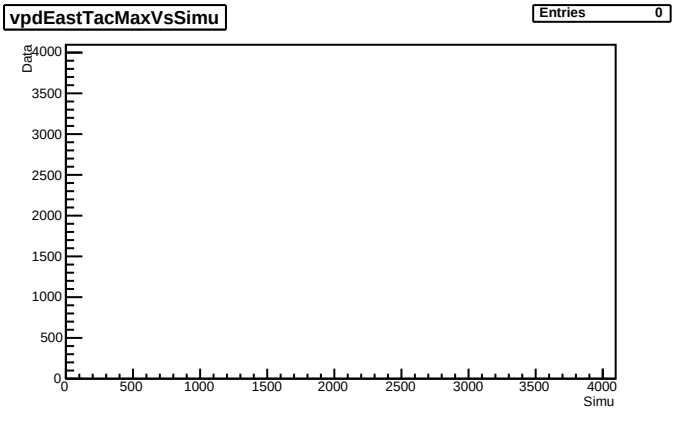
Entries 0
Data
Simu


vpdEastTacMax
Entries 614047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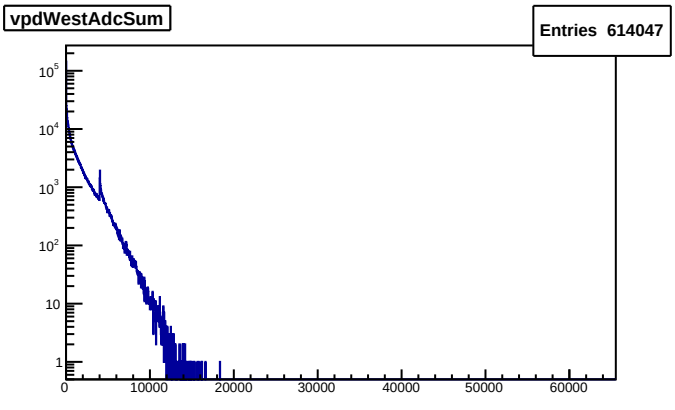
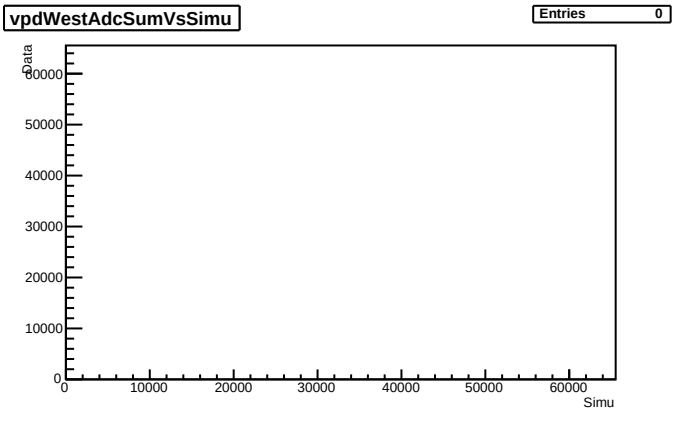
Entries 0
Data
Simu


vpdWestAdcSum
Entries 614047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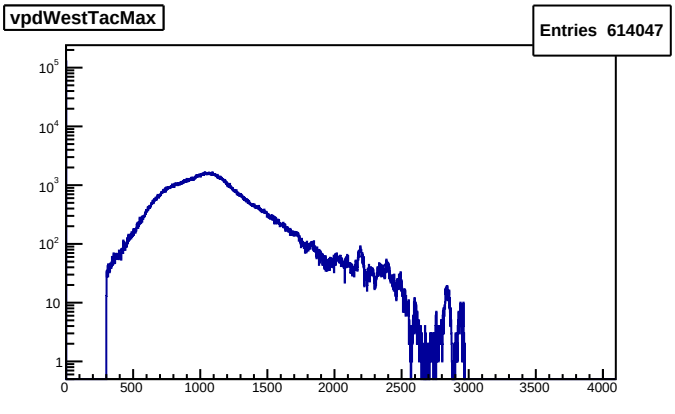
Entries 0
Data
Simu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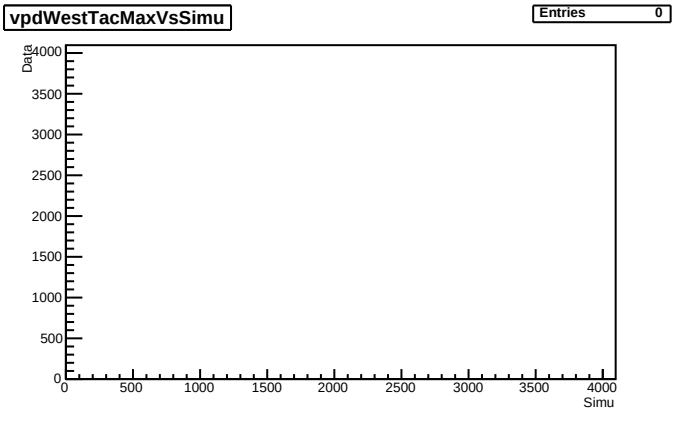
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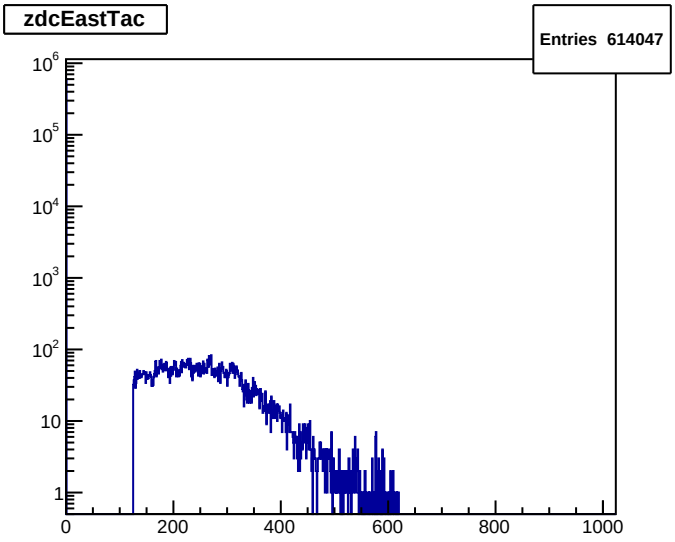
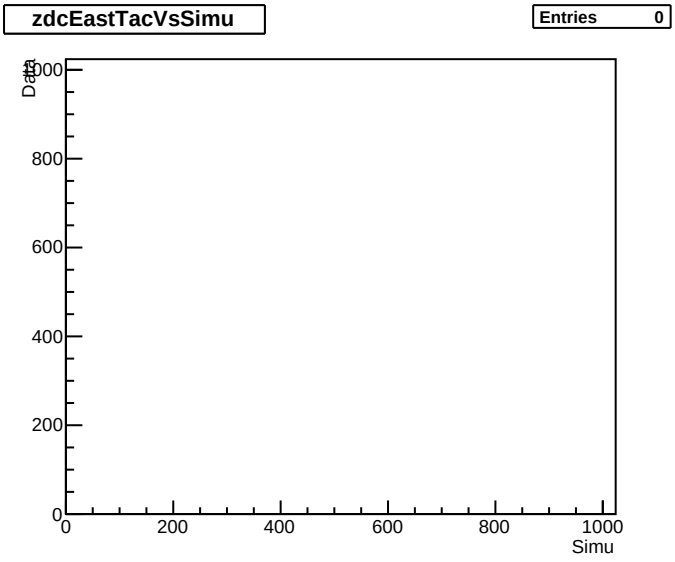
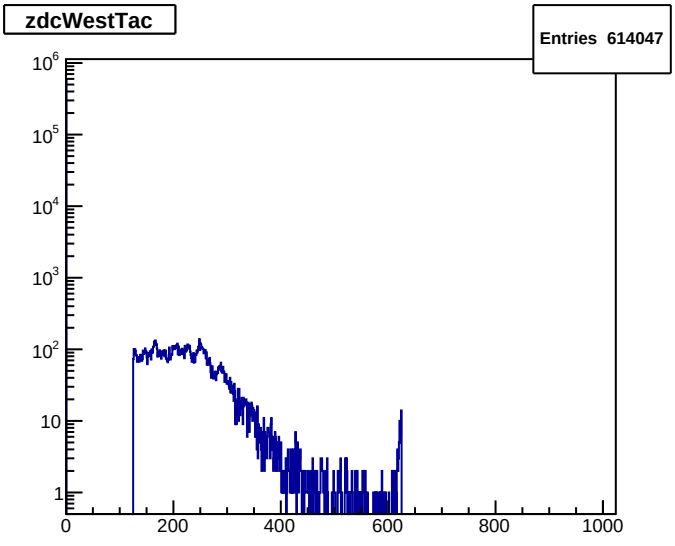
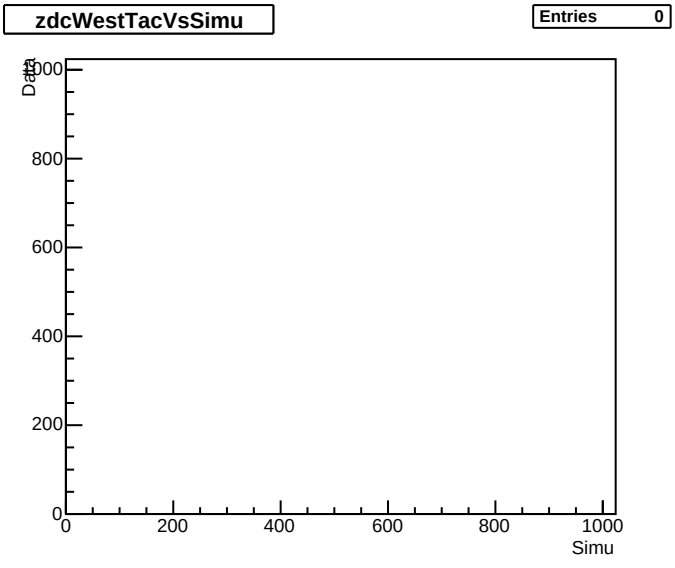
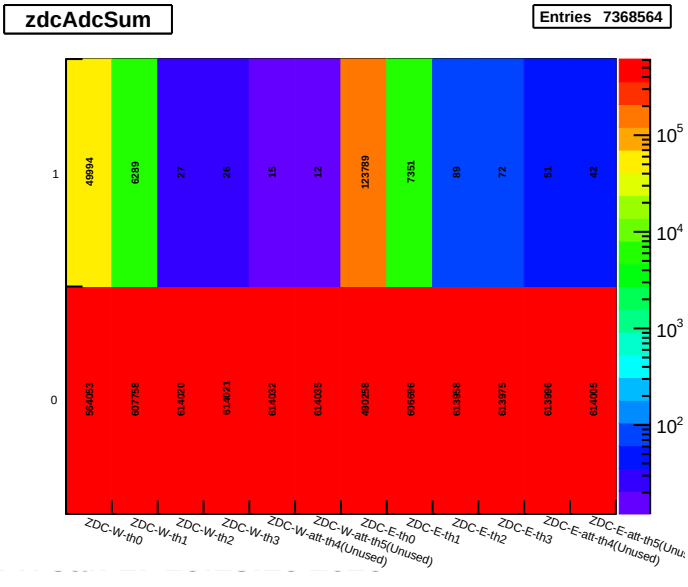
Entries 0
Data
Simu


zdcEastTac
Entries 614047


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 614047


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 7368564
49994
6289
27
26
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123789
7351
89
72
51
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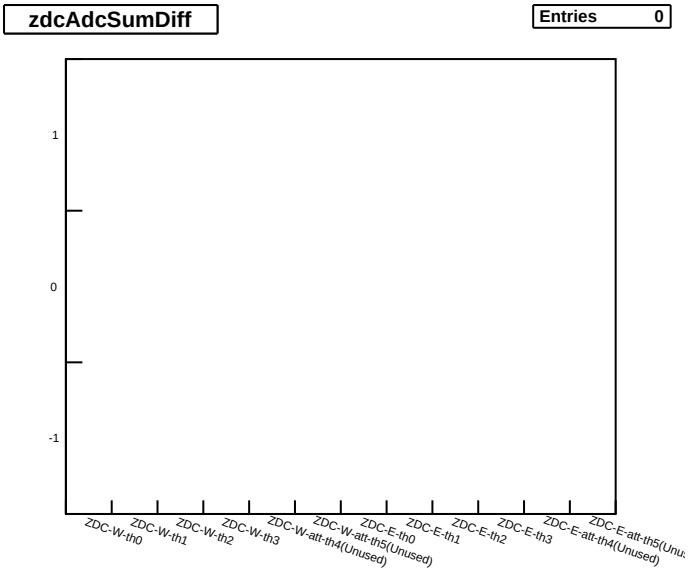
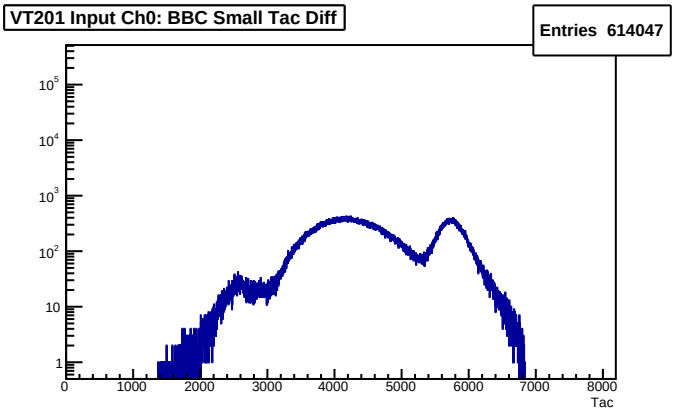
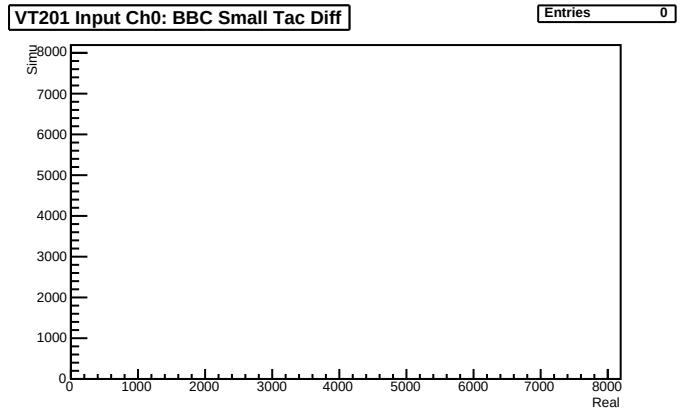
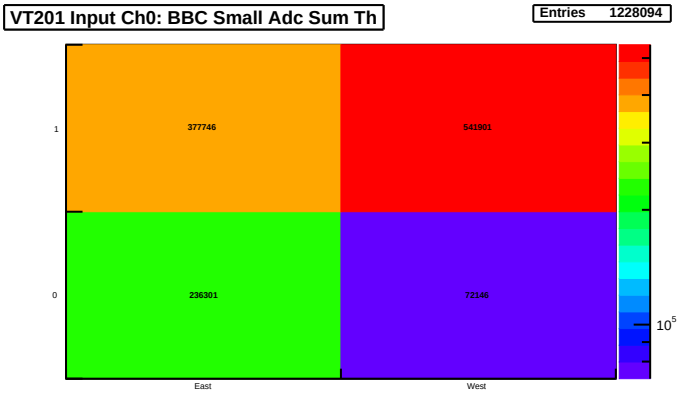
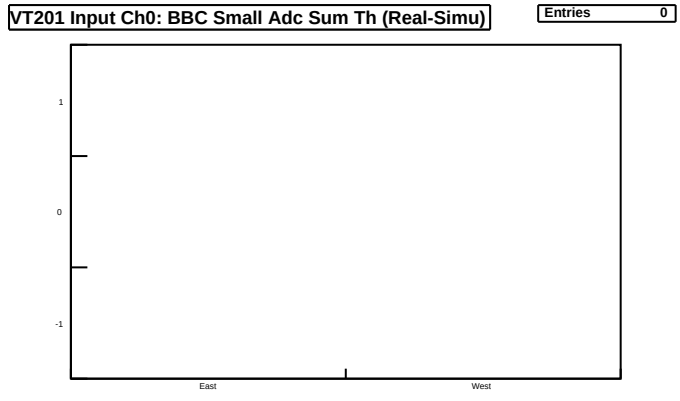
564053
607758
614020
614021
614032
614035
490258
606686
613958
613975
613996
614005
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

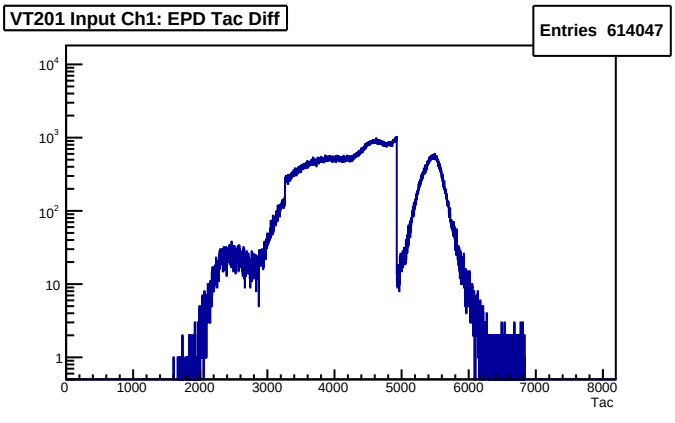

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

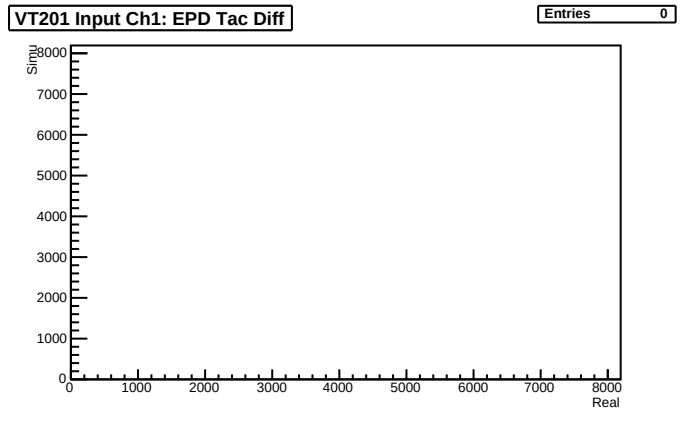

VT201 Input Ch0: BBC Small Tac Diff
Entries 614047
Tac

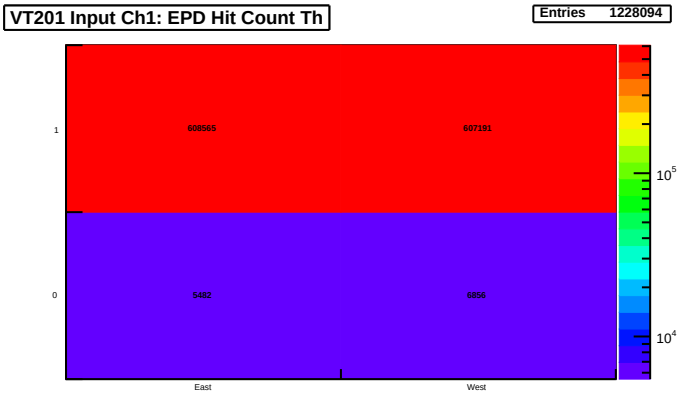

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

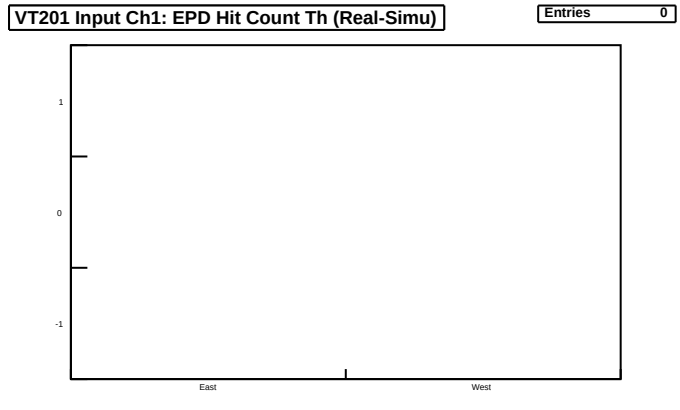

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1228094
377746
541901
236301
72146
East
West

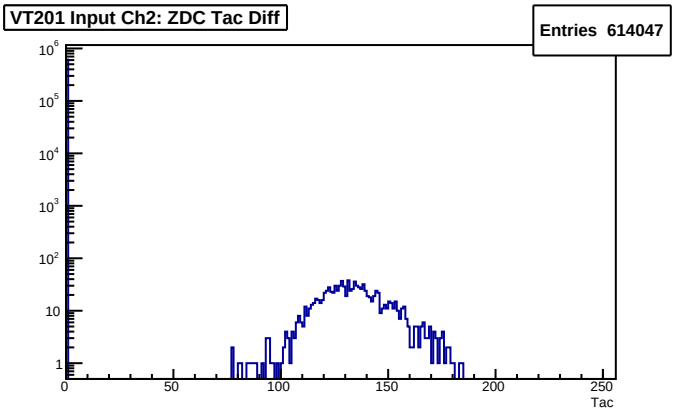

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

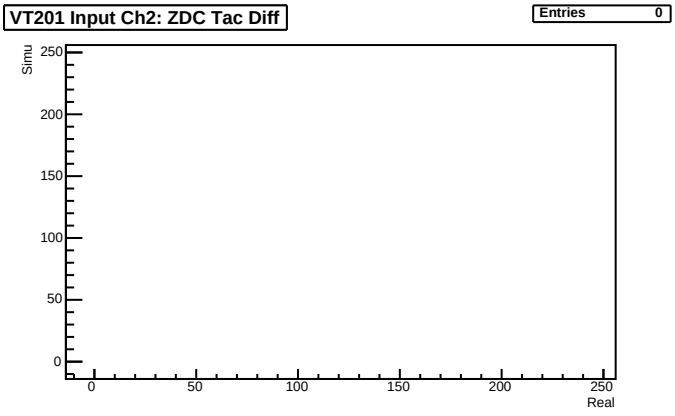

VT201 Input Ch1: EPD Tac Diff
Entries 614047
Tac

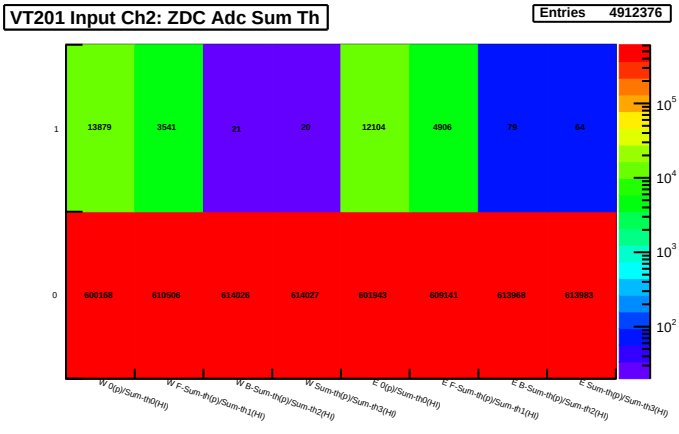

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

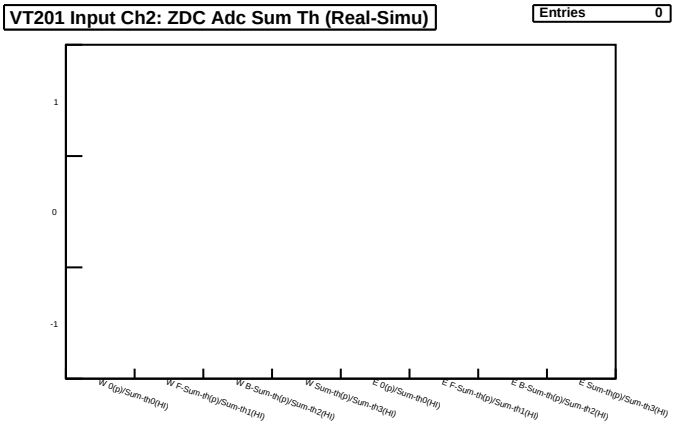

VT201 Input Ch1: EPD Hit Count Th
Entries 1228094
608565
607191
5482
6856
East
West

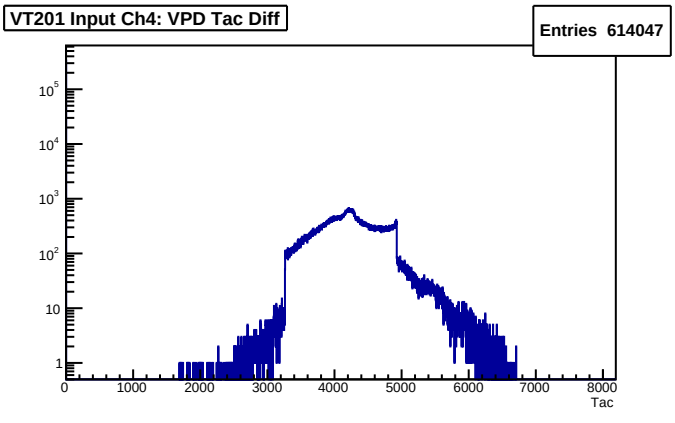

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

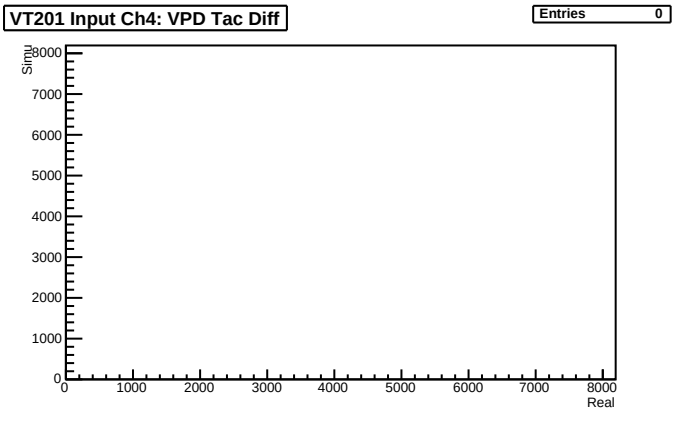

VT201 Input Ch2: ZDC Tac Diff
Entries 614047
Tac

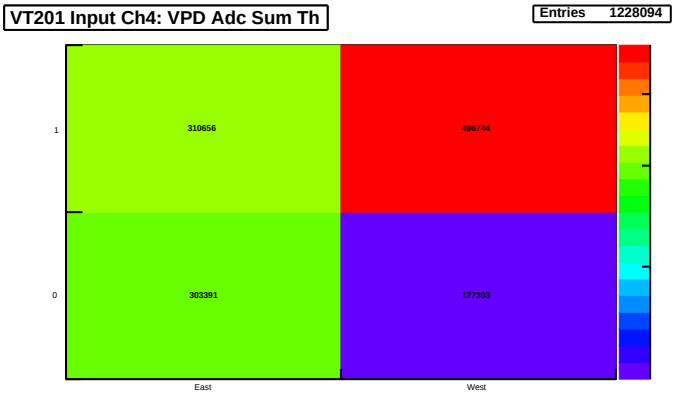

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

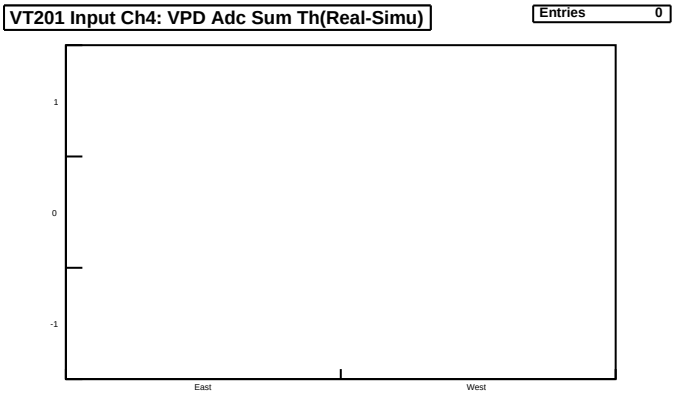

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4912376
13879
3541
21
20
12104
4906
79
64
600168
610506
614026
614027
601943
609141
613968
613983
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

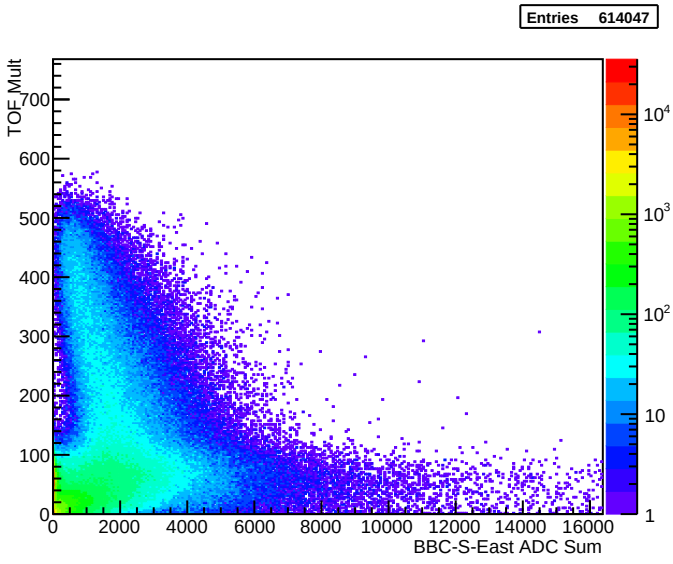

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

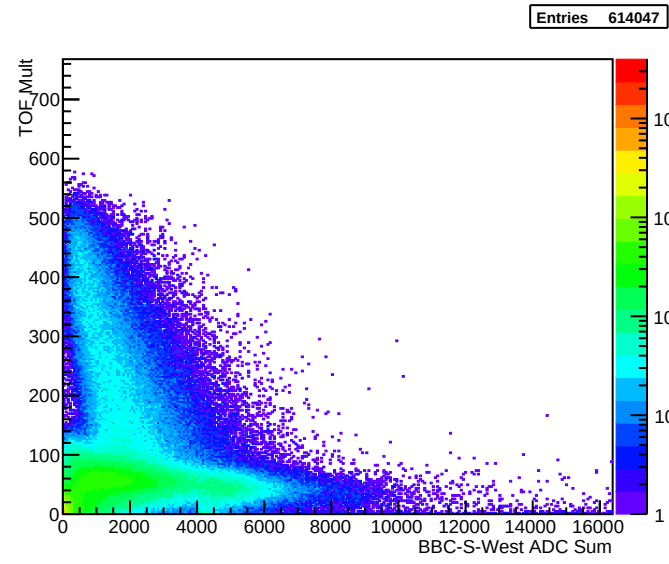

VT201 Input Ch4: VPD Tac Diff
Entries 614047
Tac

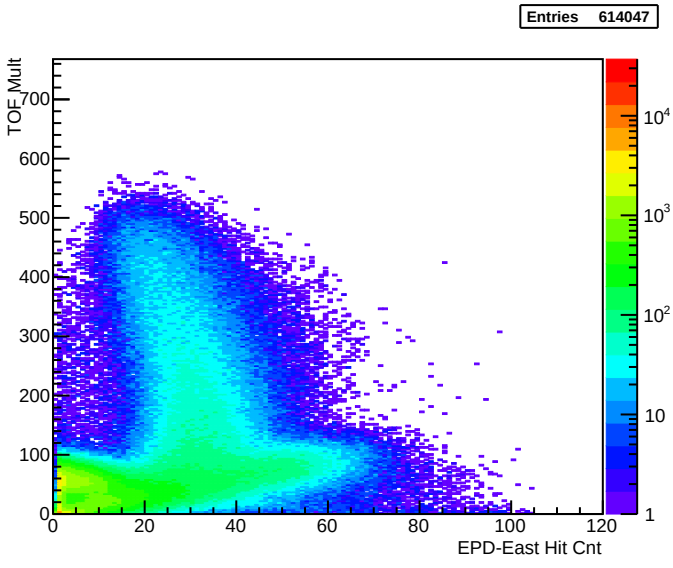

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

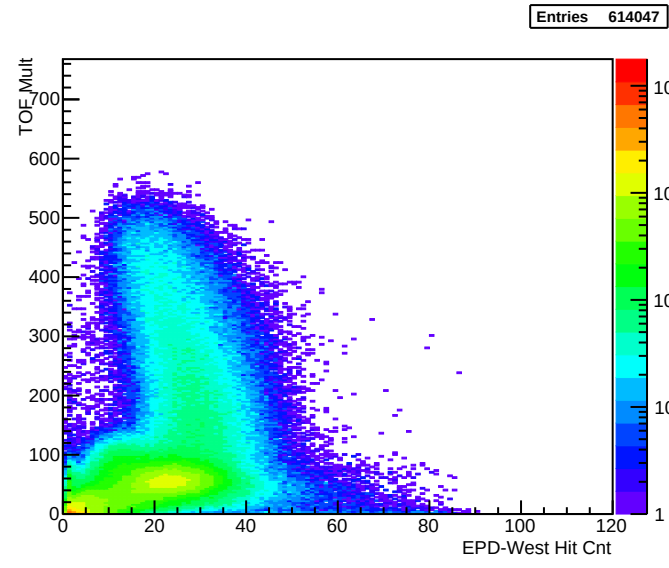

VT201 Input Ch4: VPD Adc Sum Th
Entries 1228094
310656
486744
303391
127303
East
West

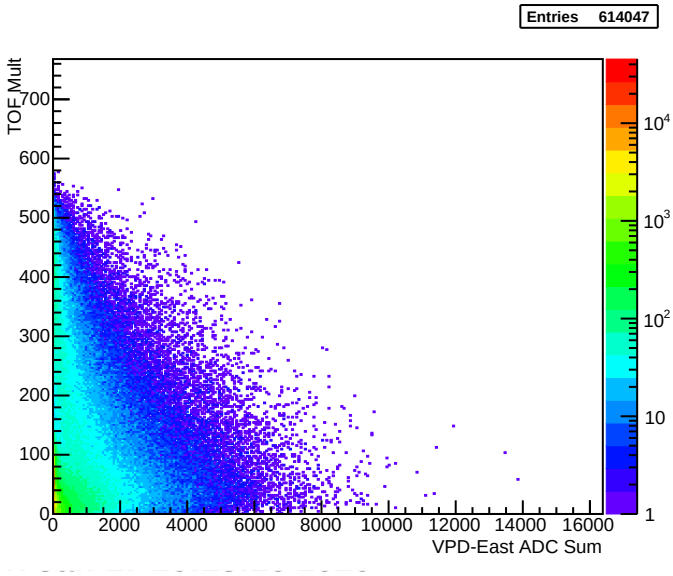

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

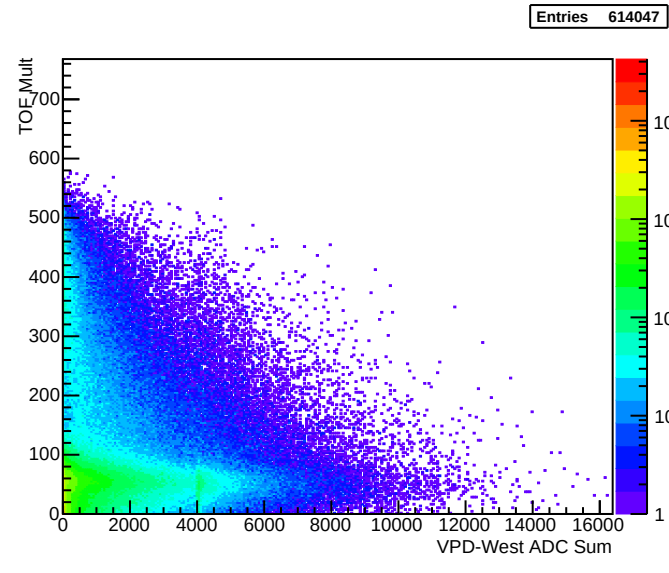

Entries 614047
TOF_Mult
BBC-S-East ADC Sum

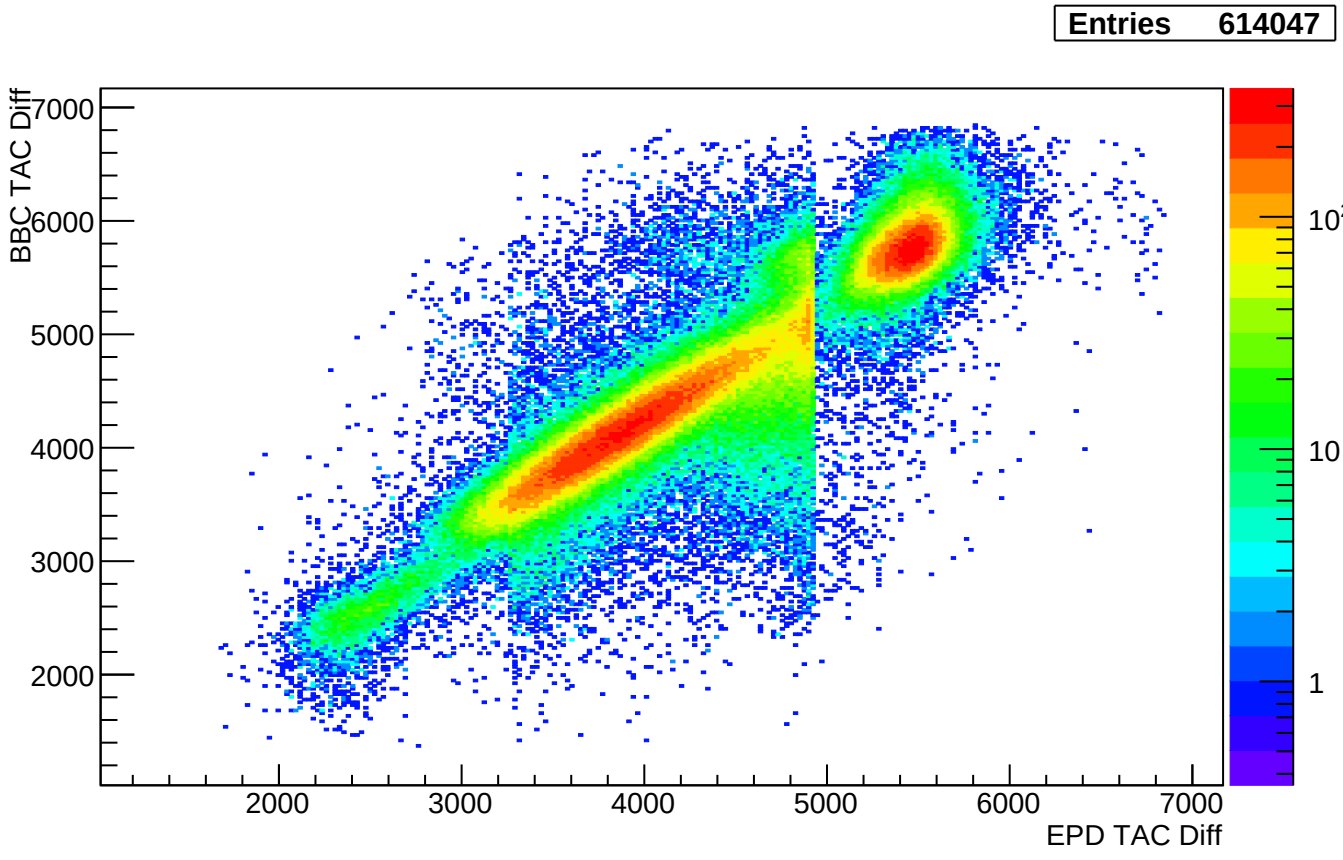

Entries 614047
TOF_Mult
BBC-S-West ADC Sum

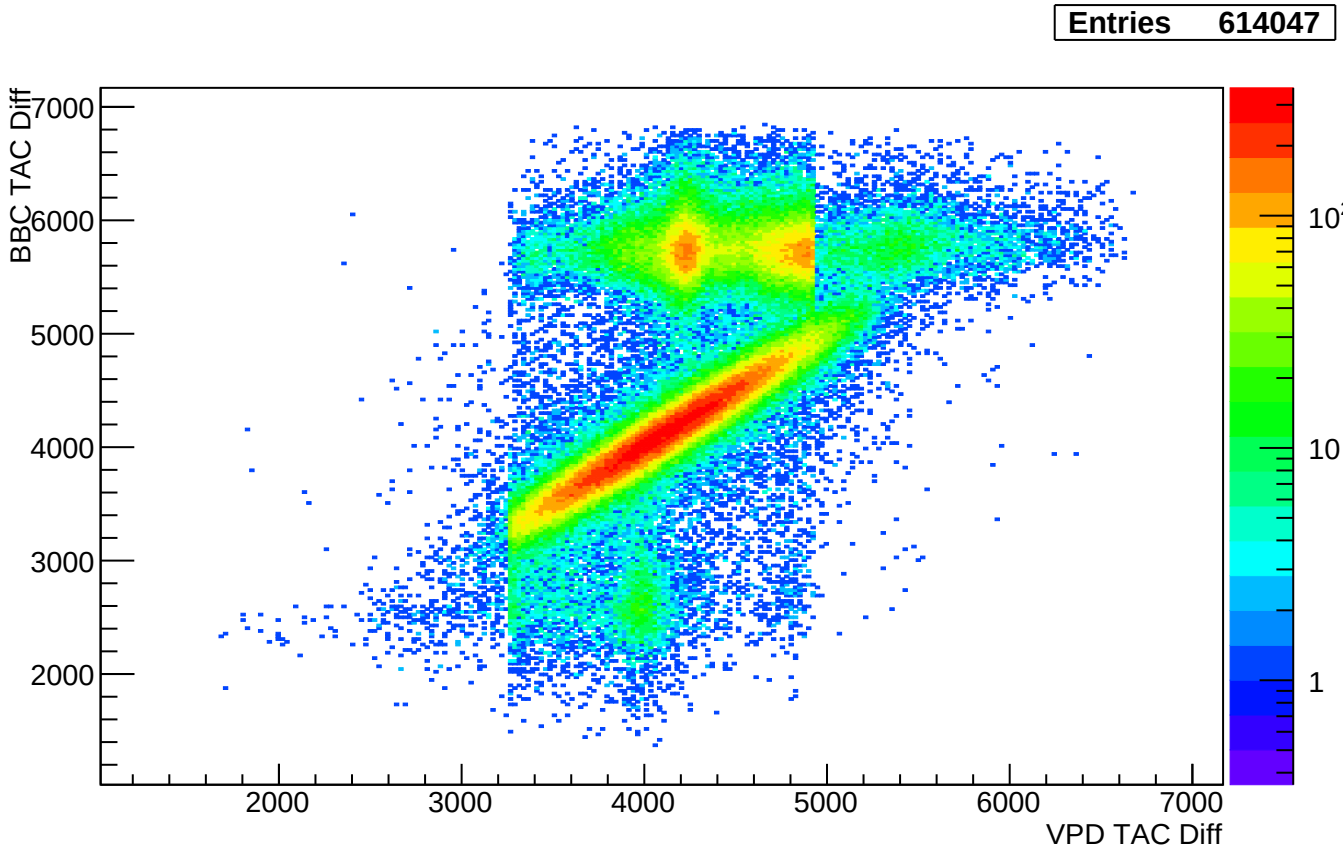

Entries 614047
TOF_Mult
EPD-East Hit Cnt

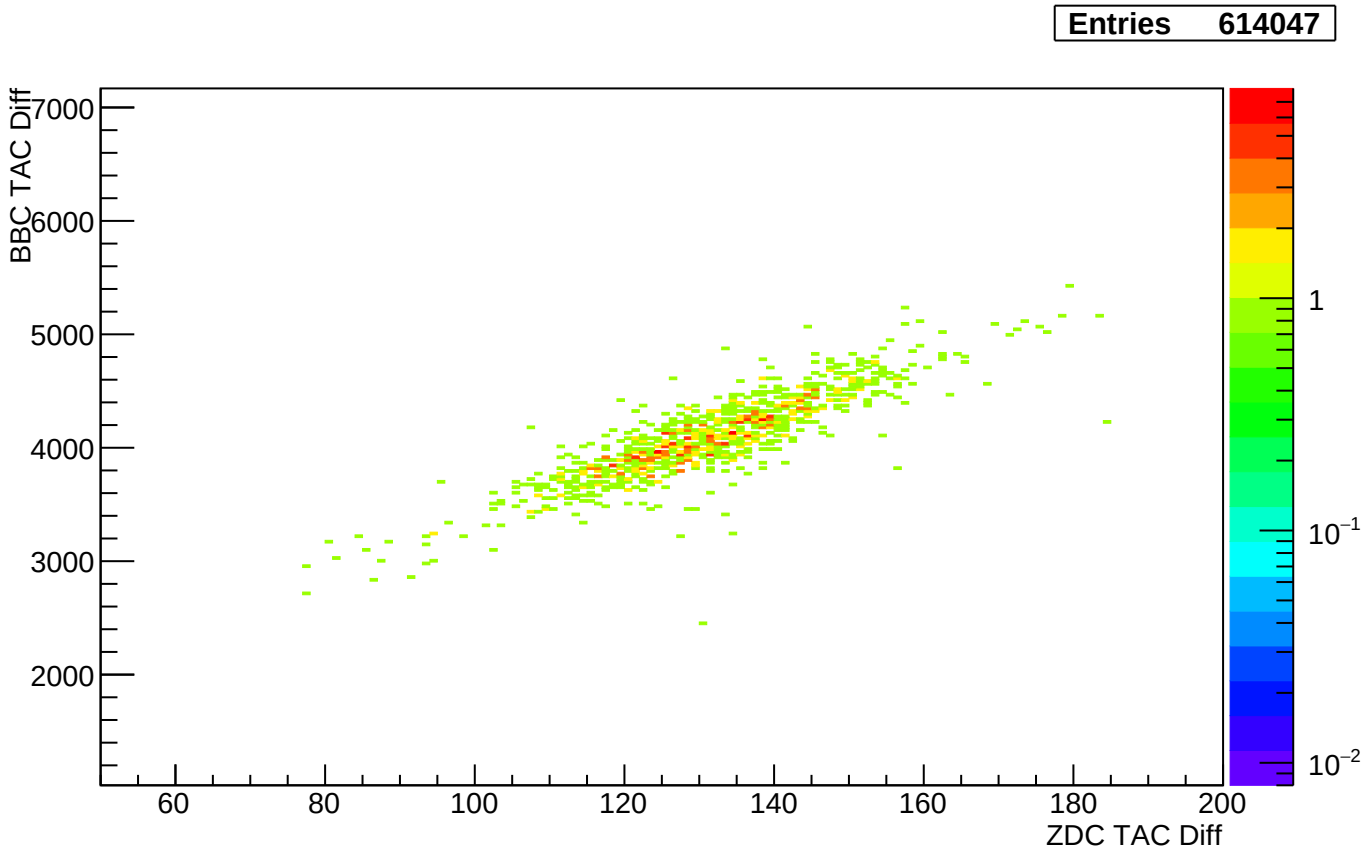

Entries 614047
TOF_Mult
EPD-West Hit Cnt

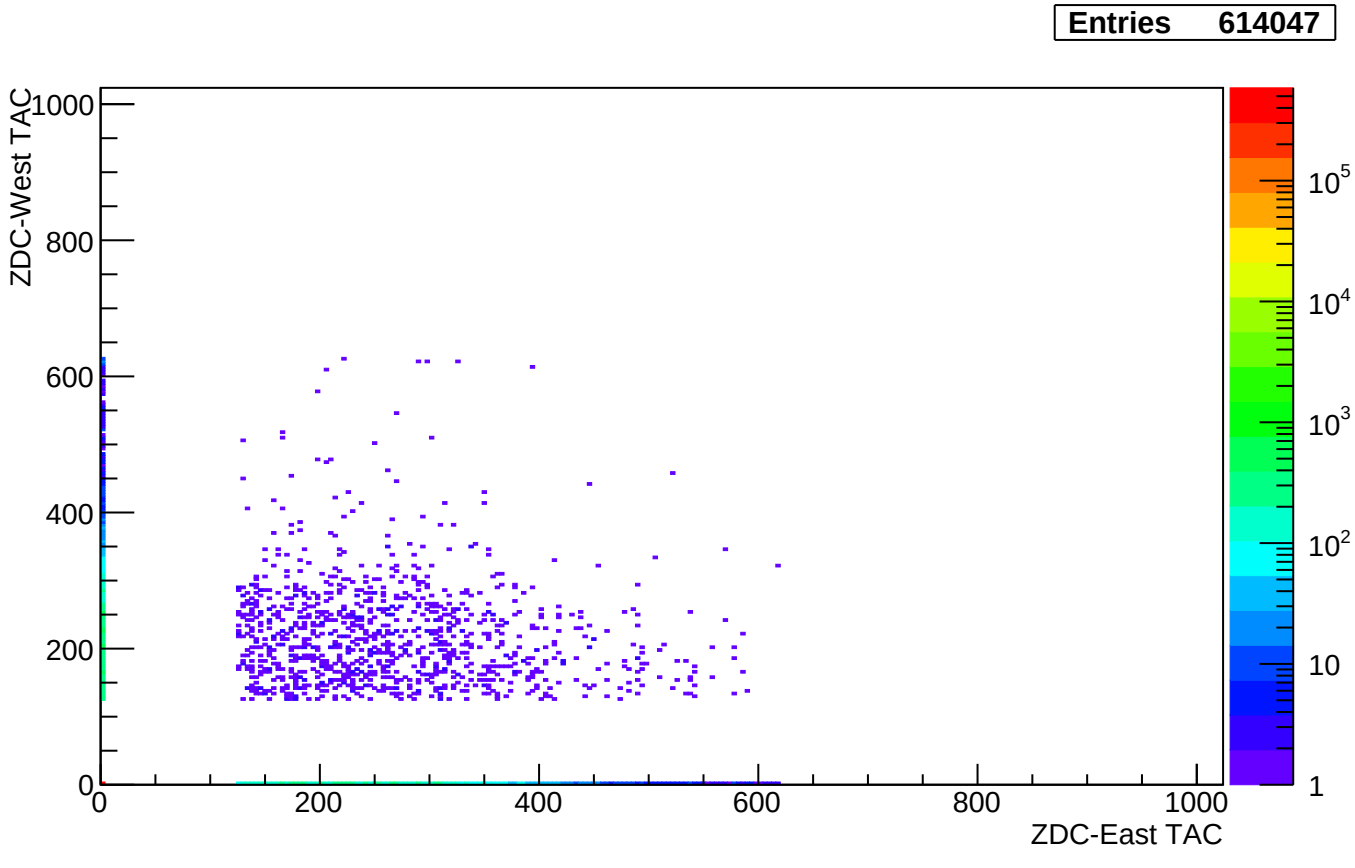

Entries 614047
TOF_Mult
VPD-East ADC Sum

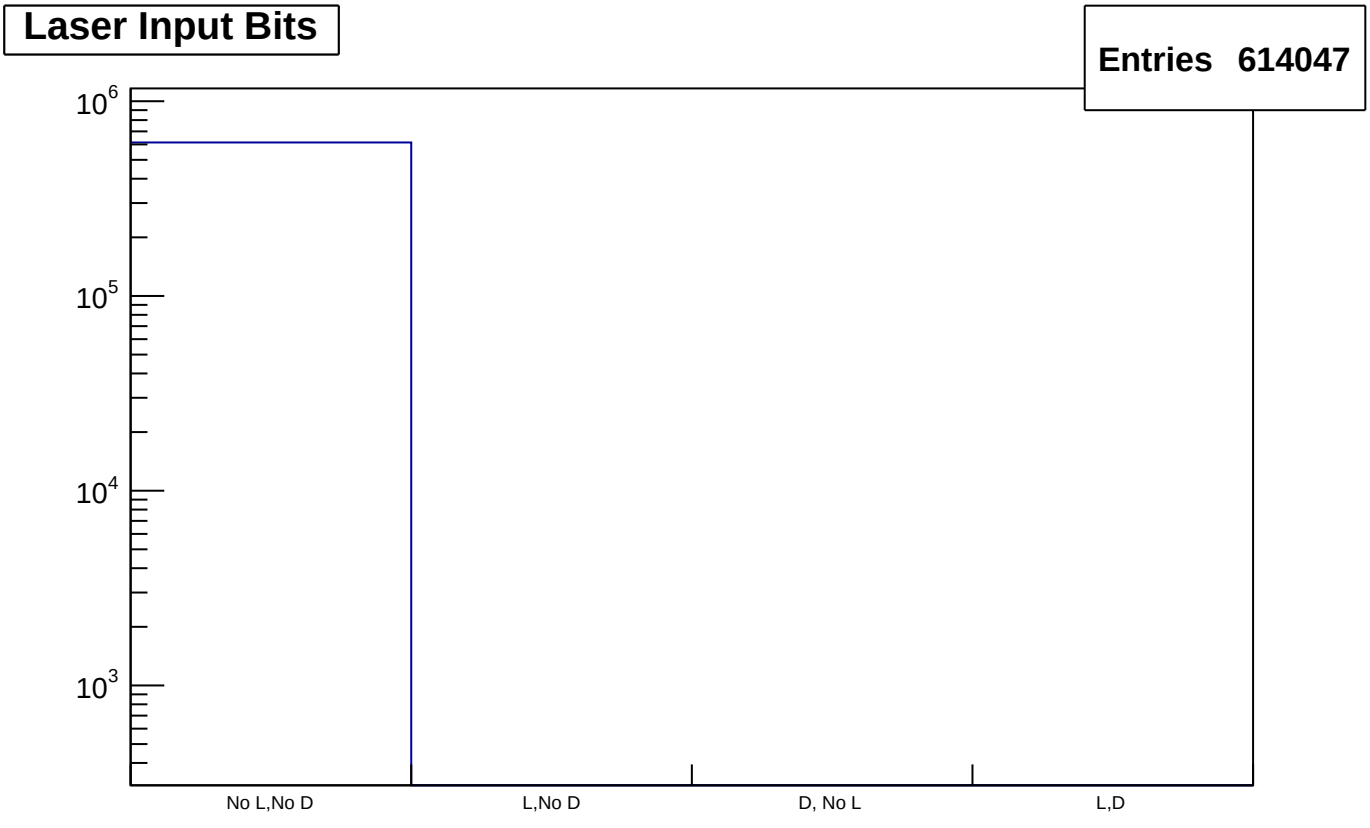

Entries 614047
TOF_Mult
VPD-West ADC Sum

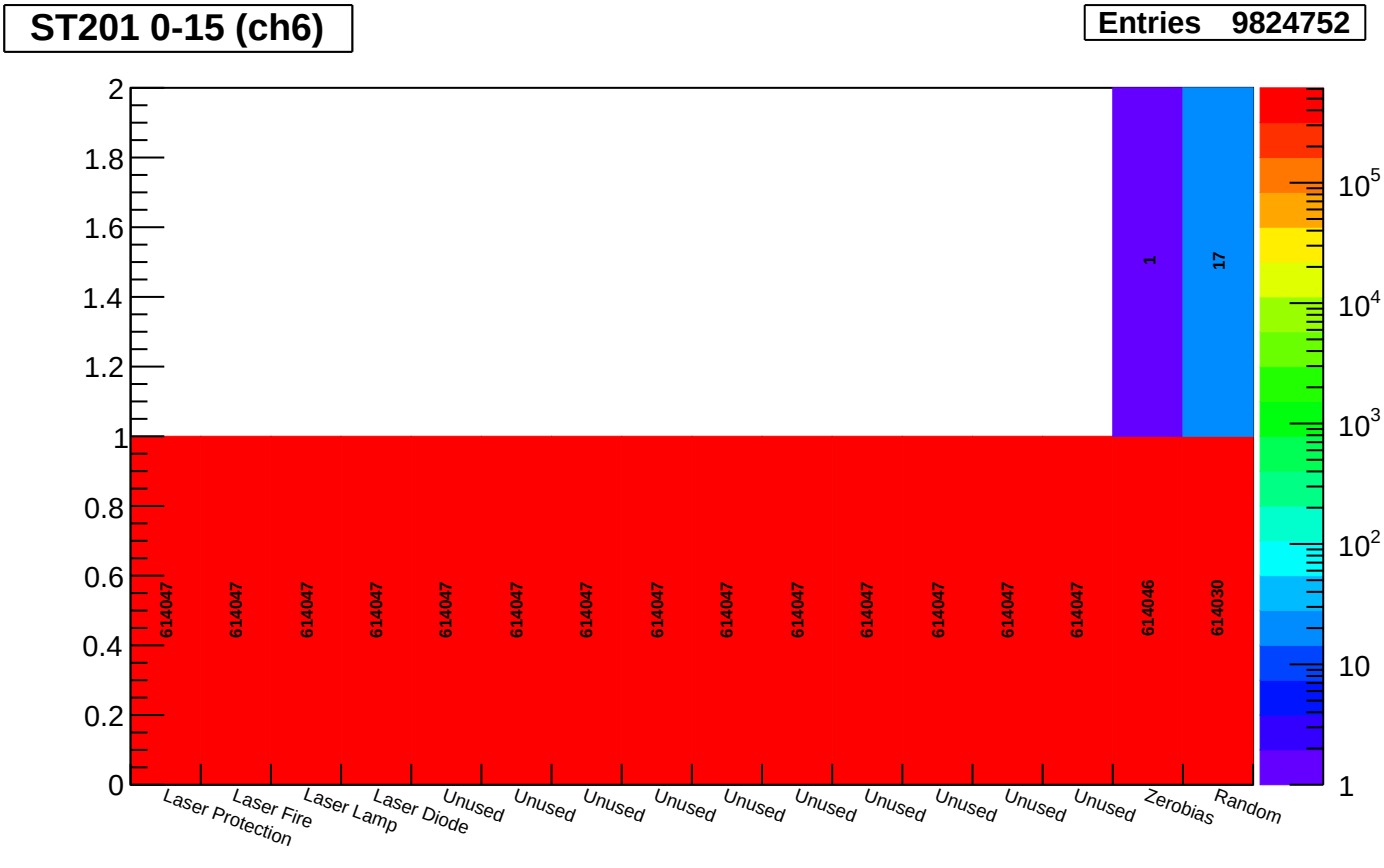

Entries 614047
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

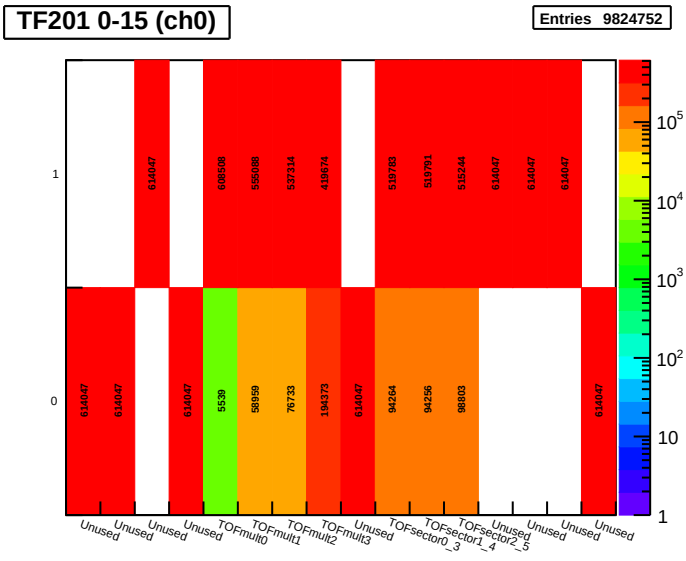

Entries 614047
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

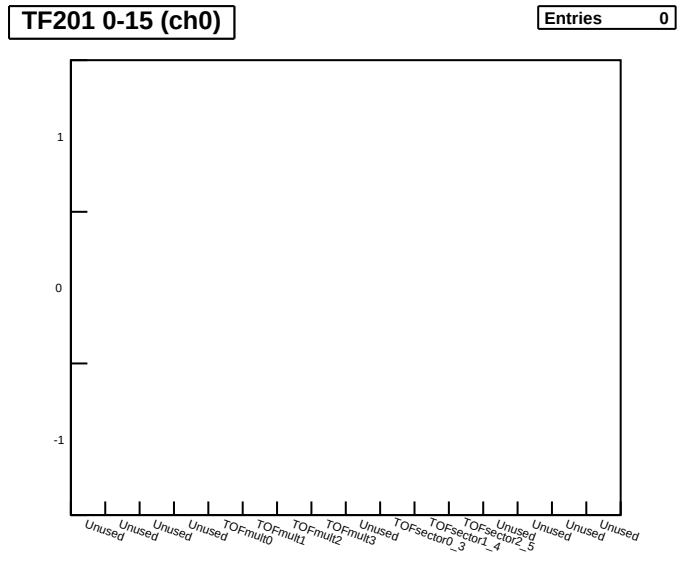

Entries 614047
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

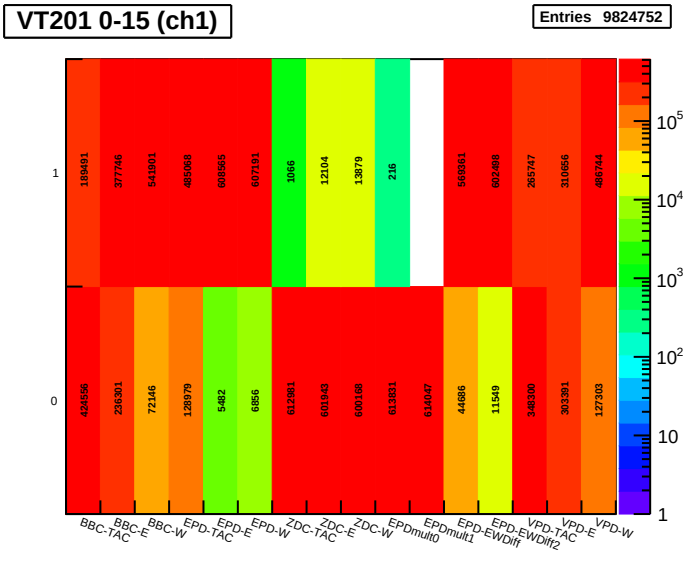

Entries 614047
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

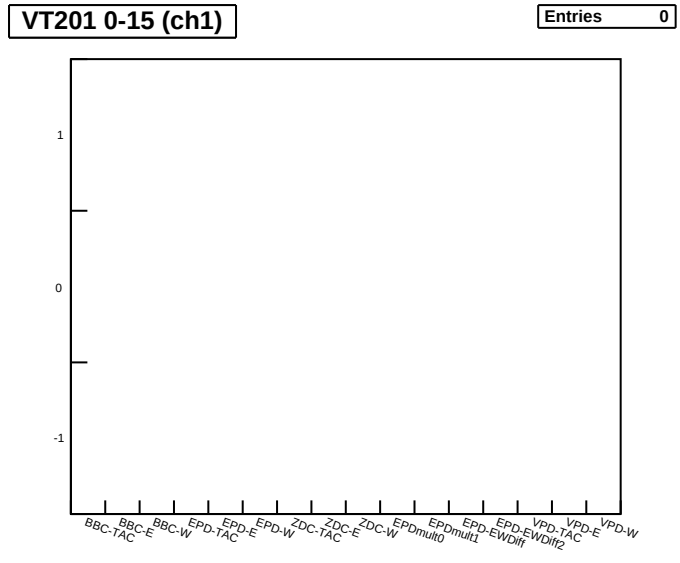

Laser Input Bits
Entries 614047
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

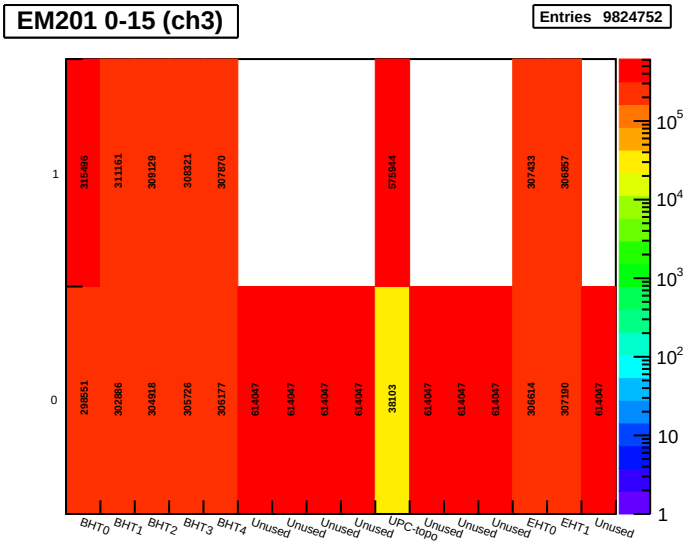

ST201 0-15 (ch6)
Entries 9824752
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
614047
614047
614047
614047
614047
614047
614047
614047
614047
614047
614047
614047
614047
614047
614046
614030
1
17
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

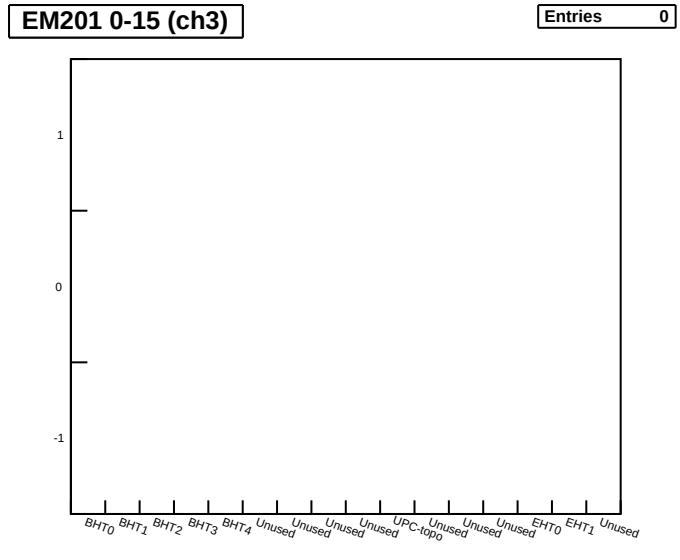

TF201 0-15 (ch0)
Entries 9824752
1
0
614047 614047 614047 5539 58959 76733 194373 614047 94264 94256 98803 614047
614047 608508 555088 537314 439674 519783 519791 515244 614047 614047 614047
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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 9824752
1
0
189491 377746 541901 485068 608555 607191 1066 12104 13879 216 569361 602488 265747 310656 486744
424556 236301 72146 128979 5482 6856 612981 601943 600168 613831 614047 44686 11549 348300 303391 127303
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
1 10 10^2 10^3 10^4 10^5


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 9824752
1
0
315486 311161 309129 308321 307870 575944 307433 306857
298551 302886 304918 305726 306177 614047 614047 614047 614047 38103 614047 614047 614047 306614 307190 614047
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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