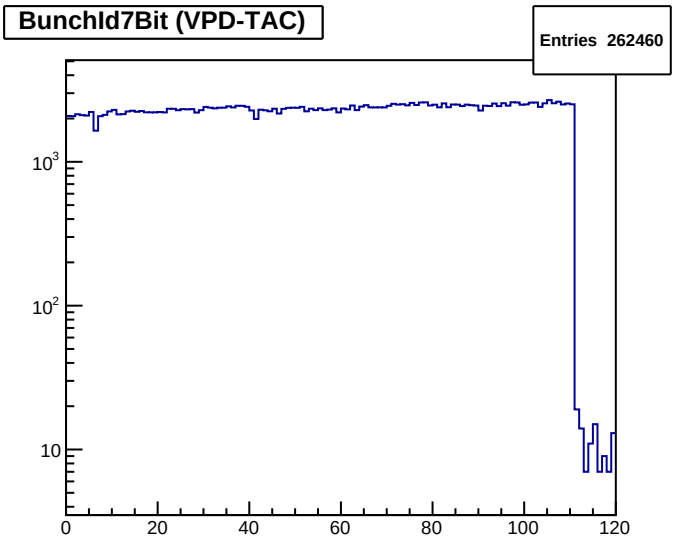
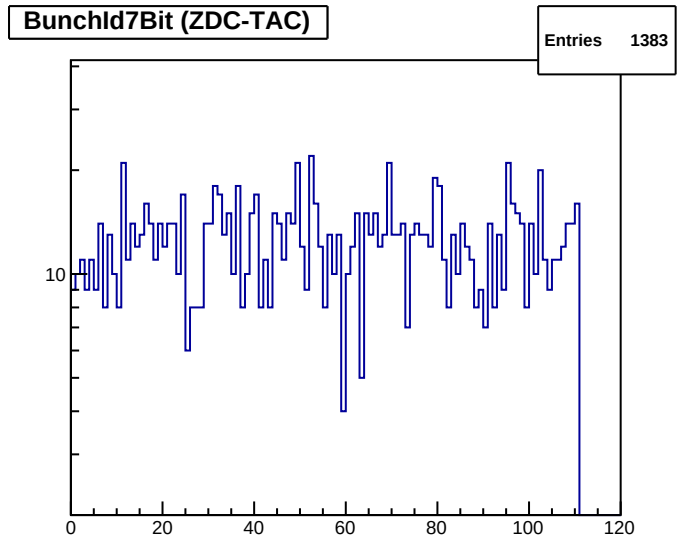
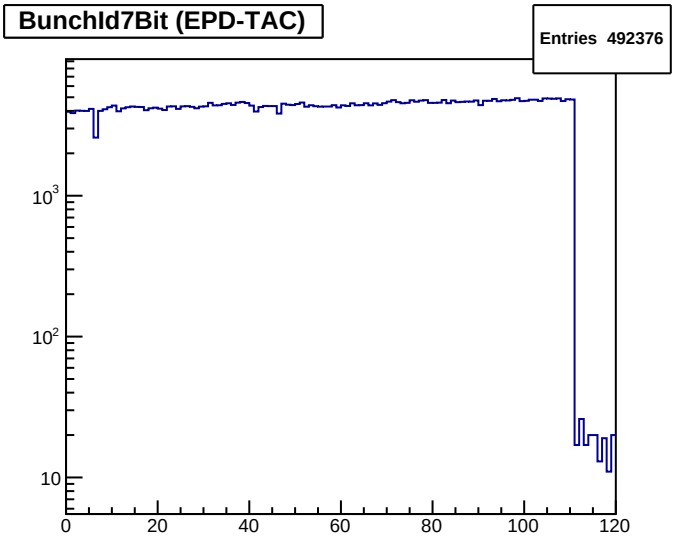
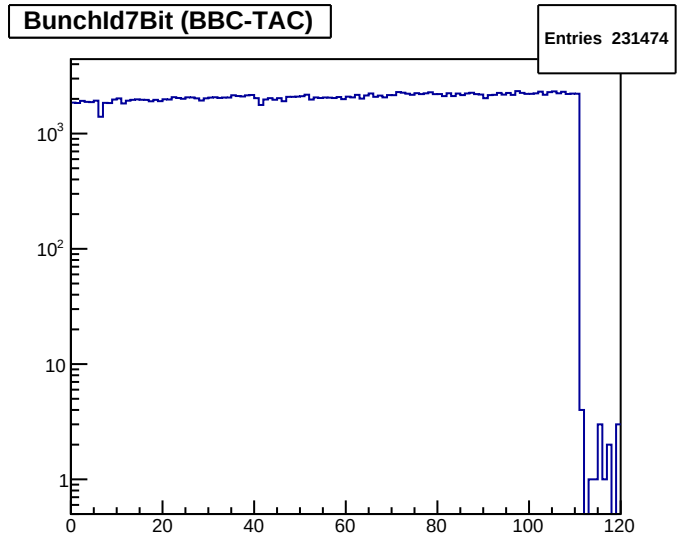
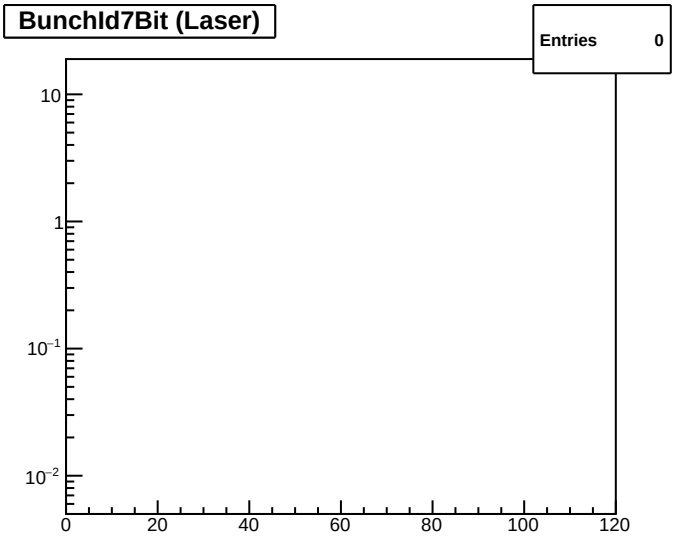
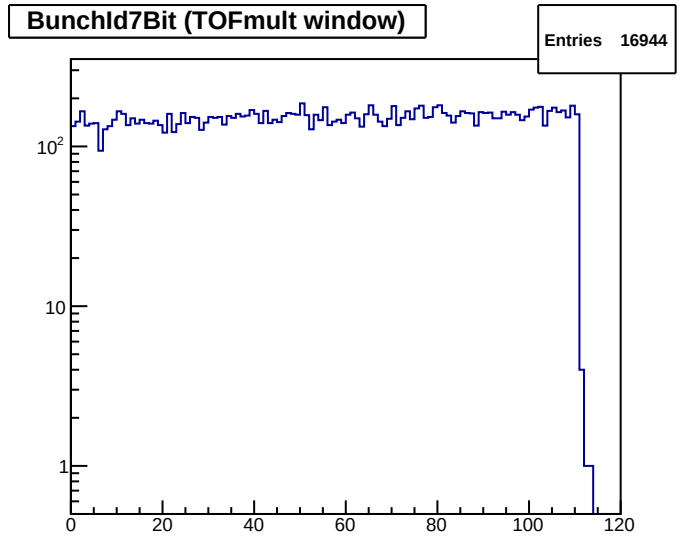

BunchId7Bit (VPD-TAC)
Entries 262460
$10^3$
$10^2$
10
0 20 40 60 80 100 120

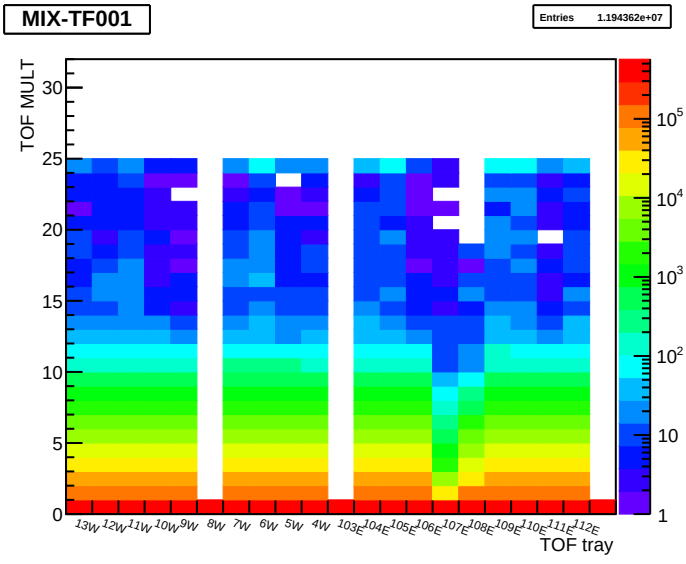

BunchId7Bit (ZDC-TAC)
Entries 1383
10
0 20 40 60 80 100 120

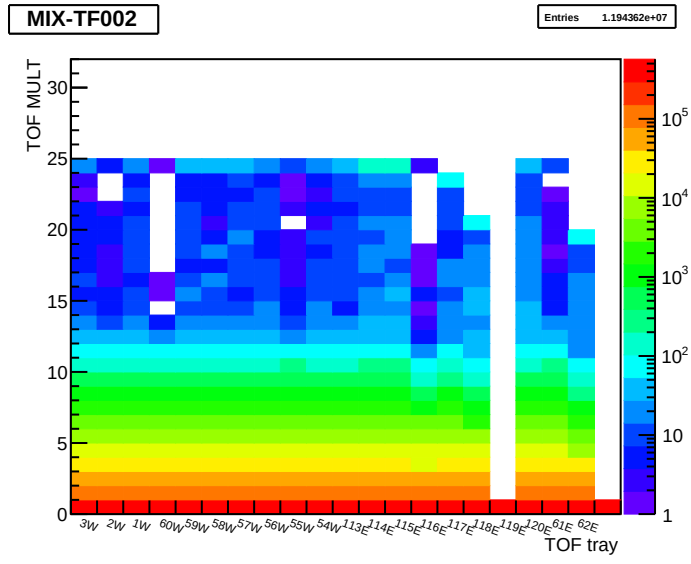

BunchId7Bit (EPD-TAC)
Entries 492376
$10^3$
$10^2$
10
0 20 40 60 80 100 120

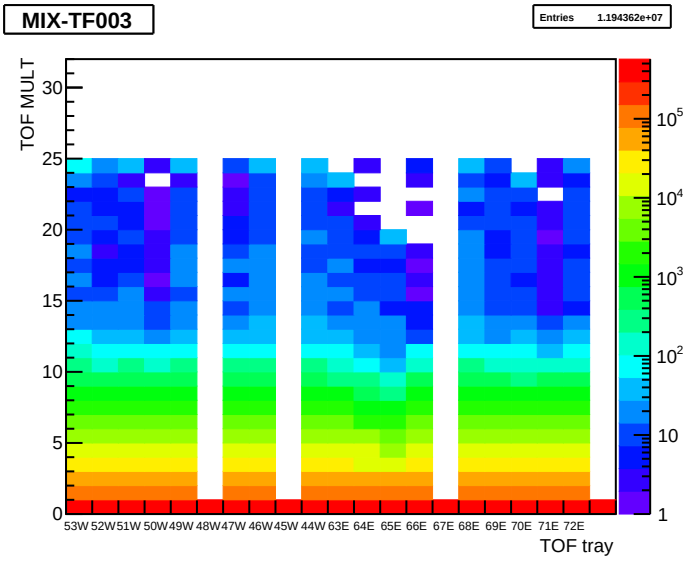

BunchId7Bit (BBC-TAC)
Entries 231474
$10^3$
$10^2$
10
1
0 20 40 60 80 100 120

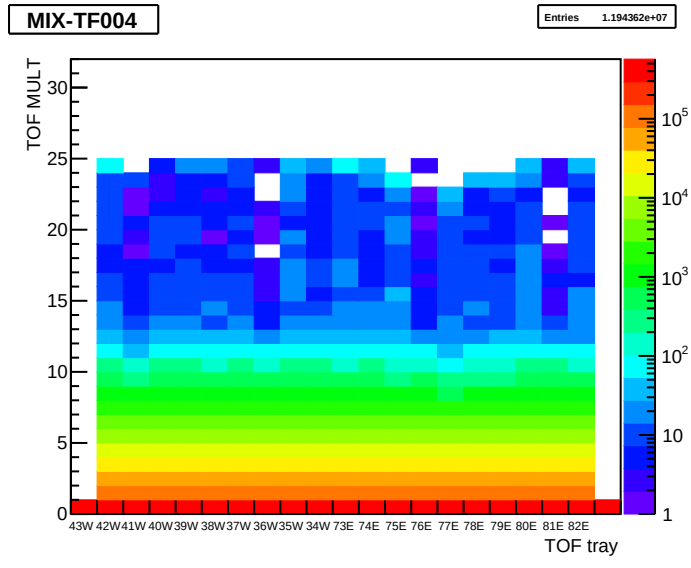

BunchId7Bit (Laser)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0 20 40 60 80 100 120

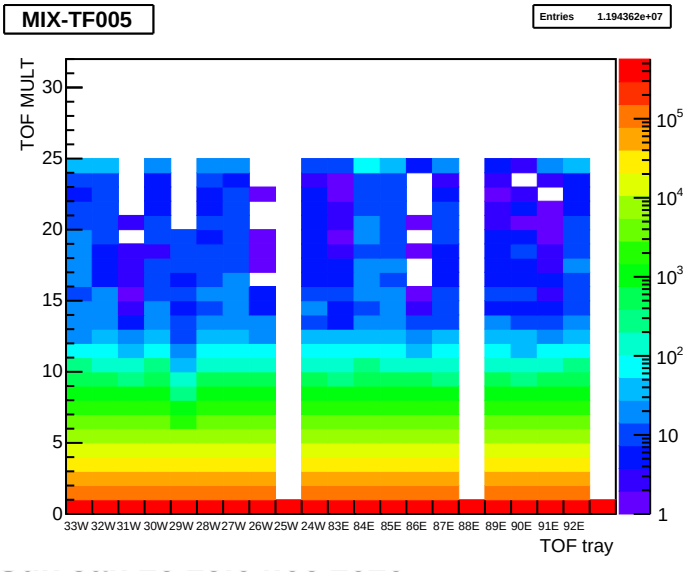

BunchId7Bit (TOFmult window)
Entries 16944
$10^2$
10
1
0 20 40 60 80 100 120

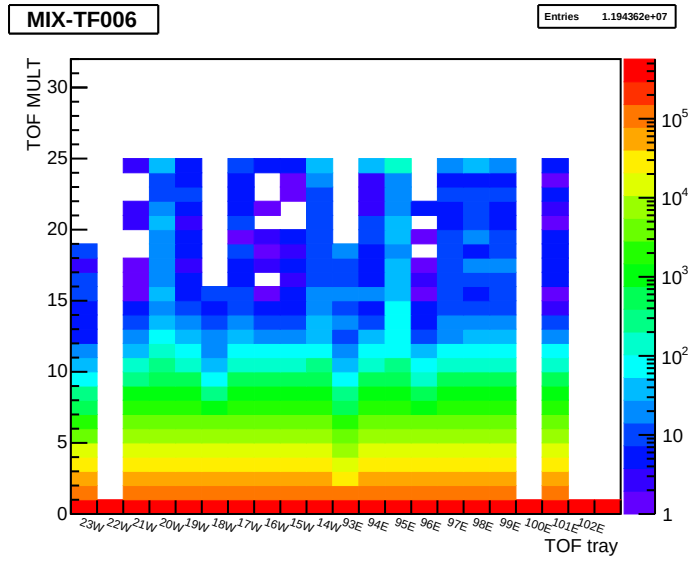

MIX-TF001
Entries 1.194362e+07
TOF MULT
TOF tray

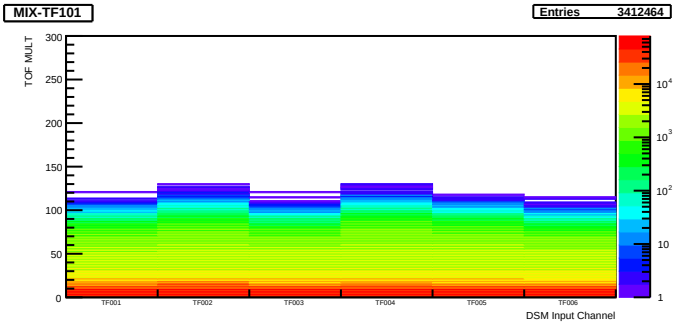

MIX-TF002
Entries 1.194362e+07
TOF MULT
TOF tray

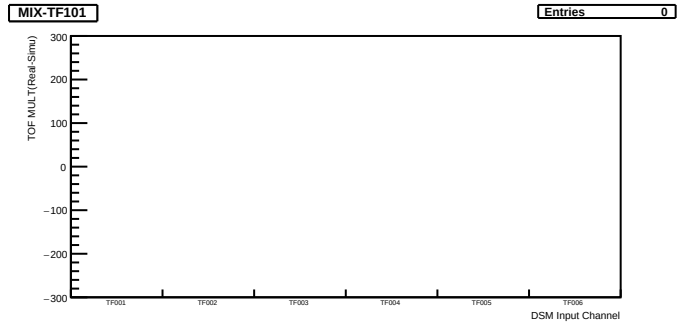

MIX-TF003
Entries 1.194362e+07
TOF MULT
TOF tray

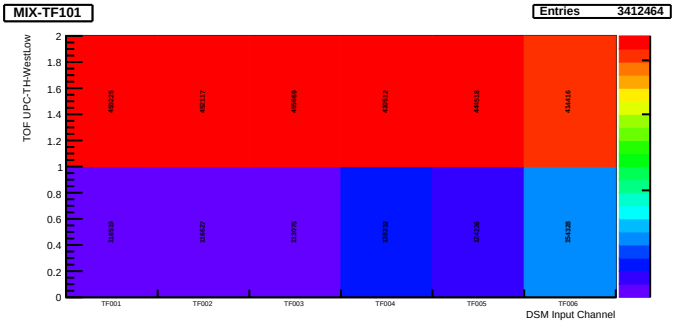

MIX-TF004
Entries 1.194362e+07
TOF MULT
TOF tray

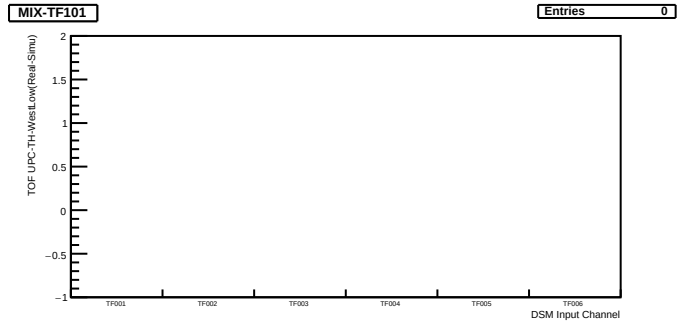

MIX-TF005
Entries 1.194362e+07
TOF MULT
TOF tray

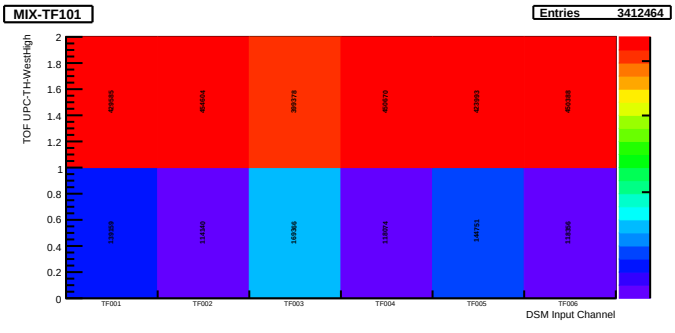

MIX-TF006
Entries 1.194362e+07
TOF MULT
TOF tray

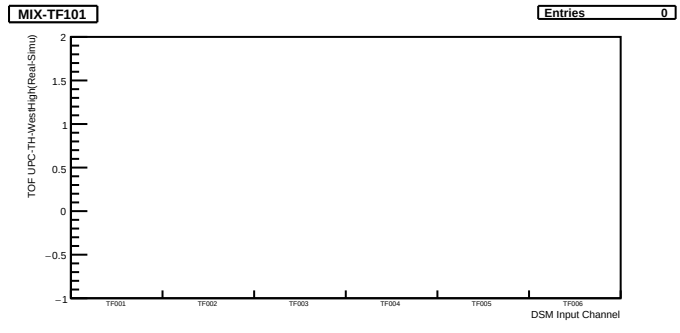

MIX-TF101
Entries 3412464
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

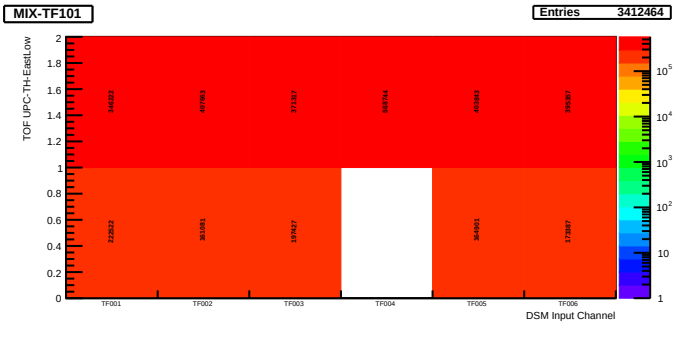

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

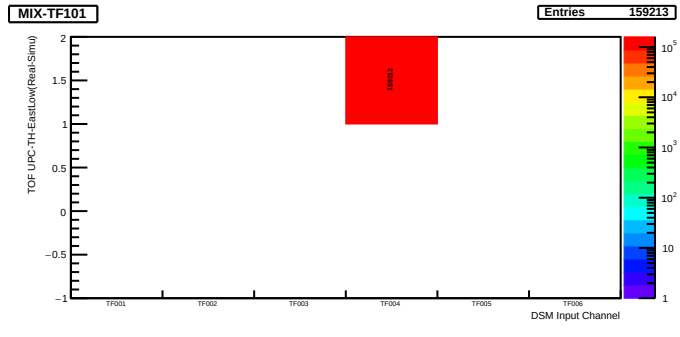

MIX-TF101
Entries 3412464
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

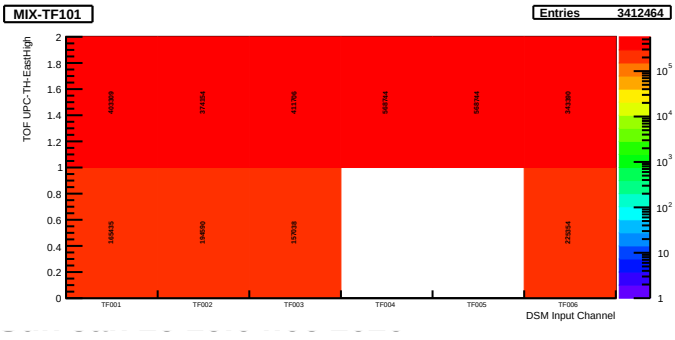

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

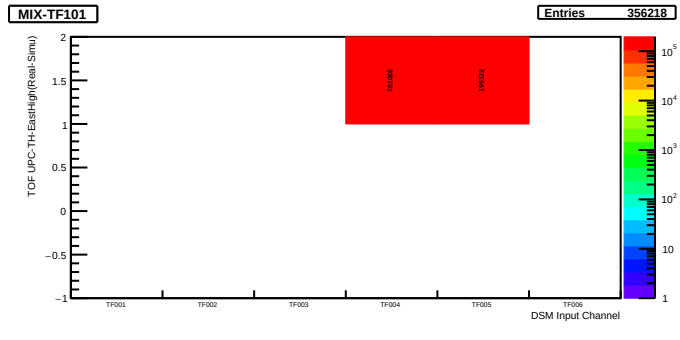

MIX-TF101
Entries 3412464
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

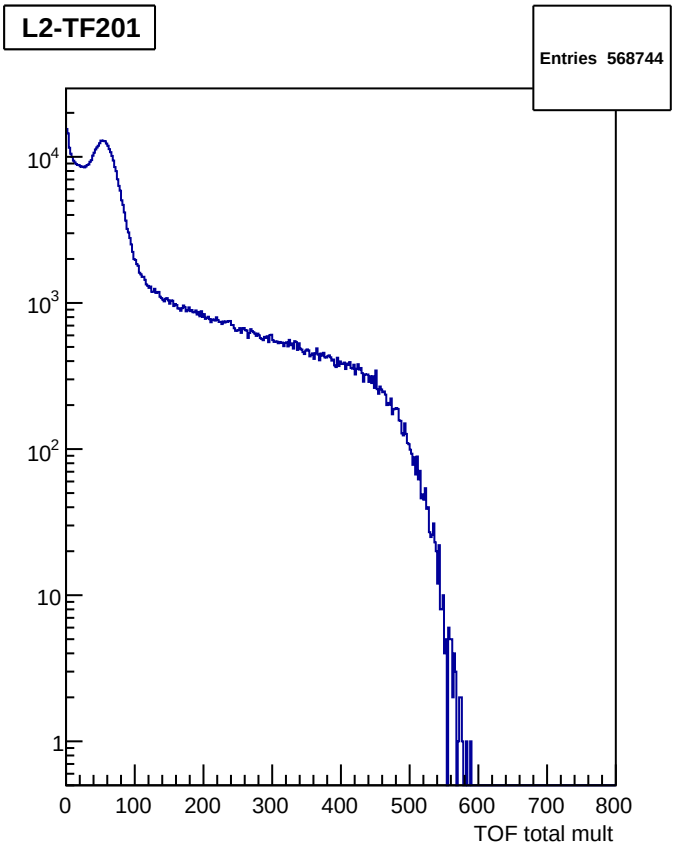

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

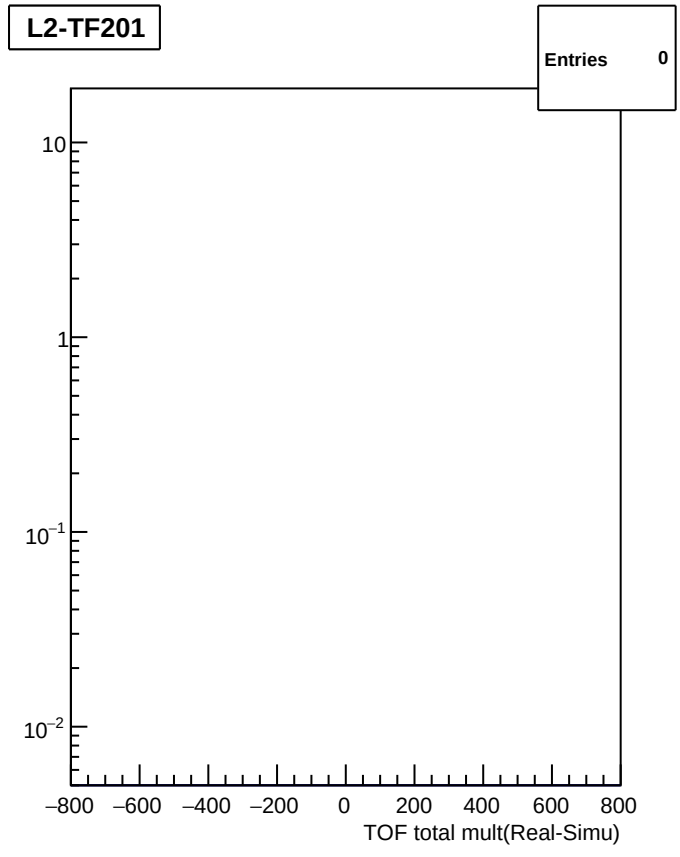

MIX-TF101
Entries 3412464
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

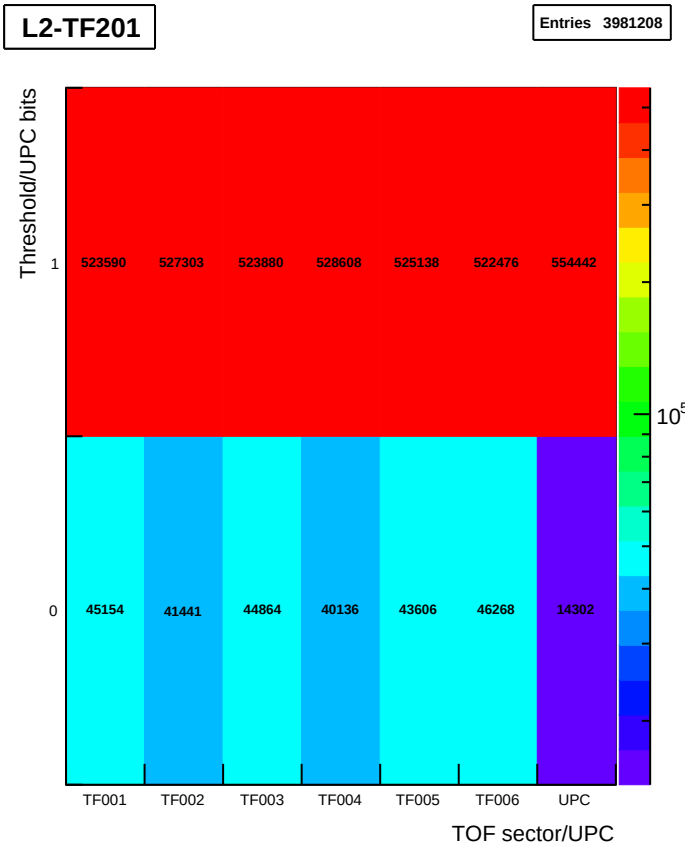

MIX-TF101
Entries 159213
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

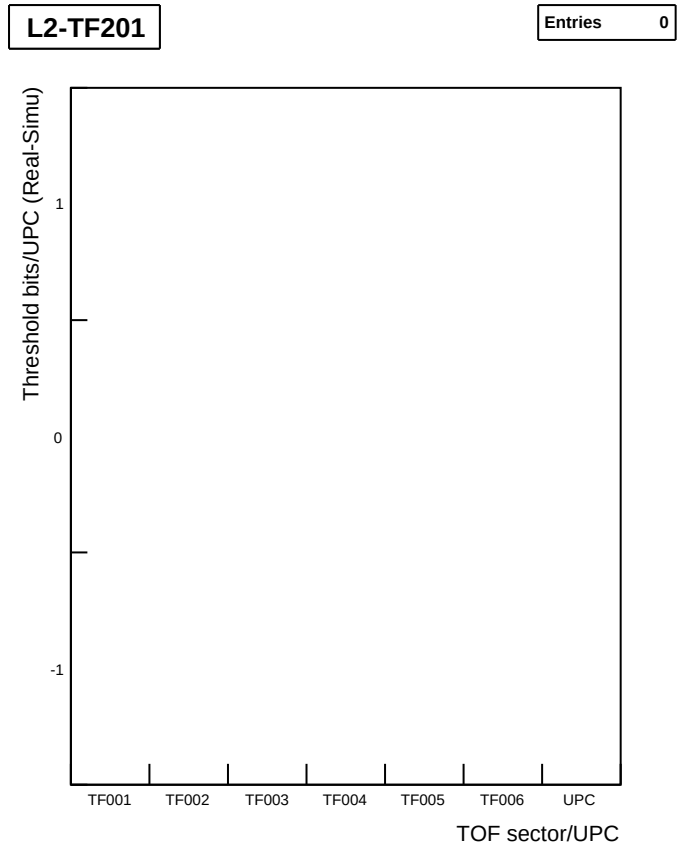

MIX-TF101
Entries 3412464
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

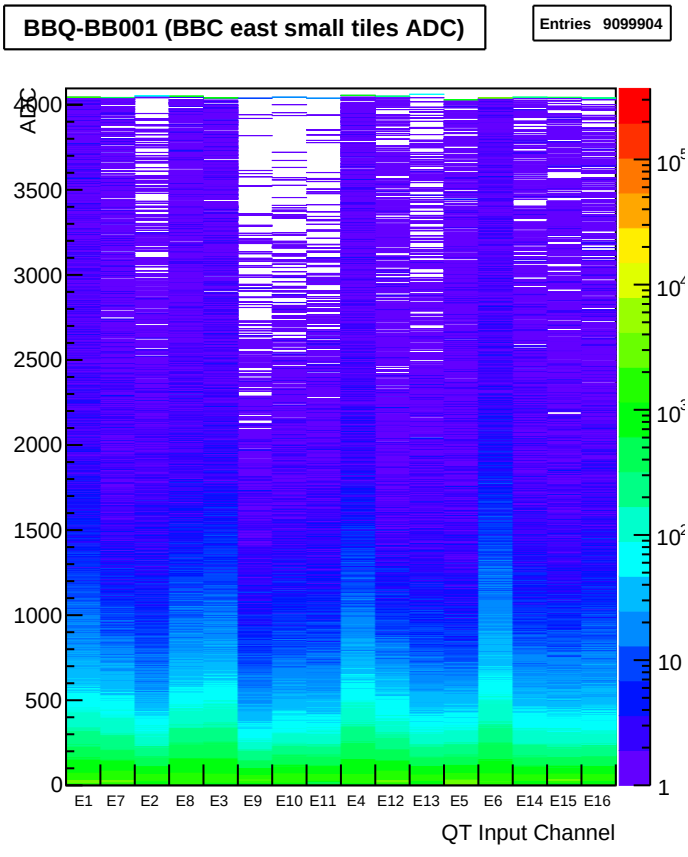

MIX-TF101
Entries 356218
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

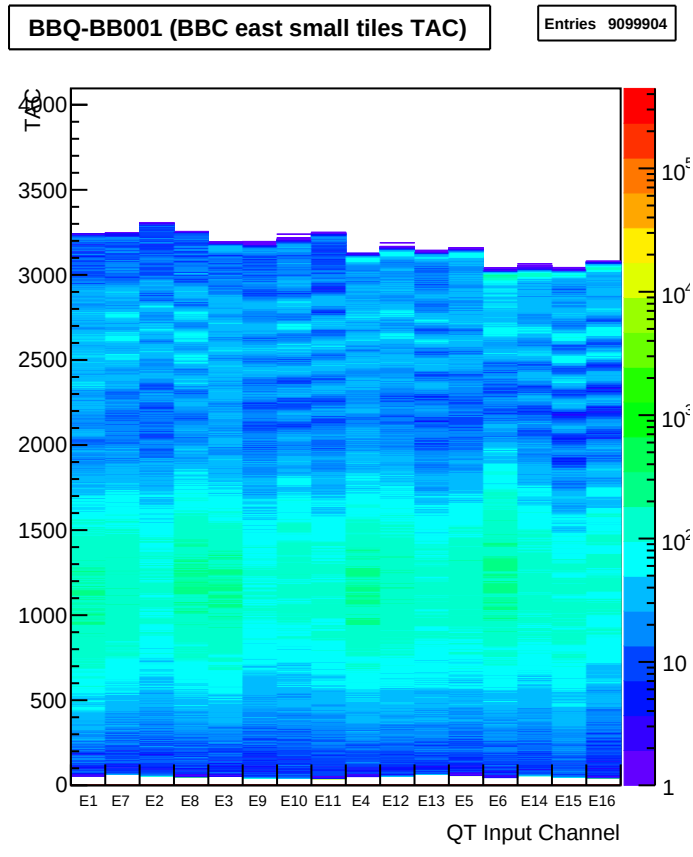

L2-TF201
Entries 568744
TOF total mult

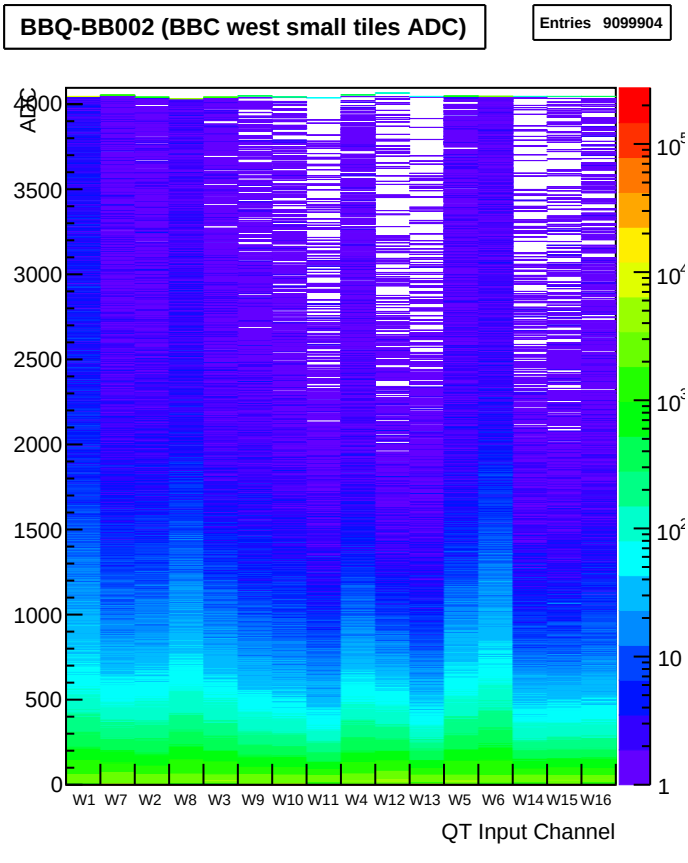

L2-TF201
Entries 0
TOF total mult(Real-Simu)

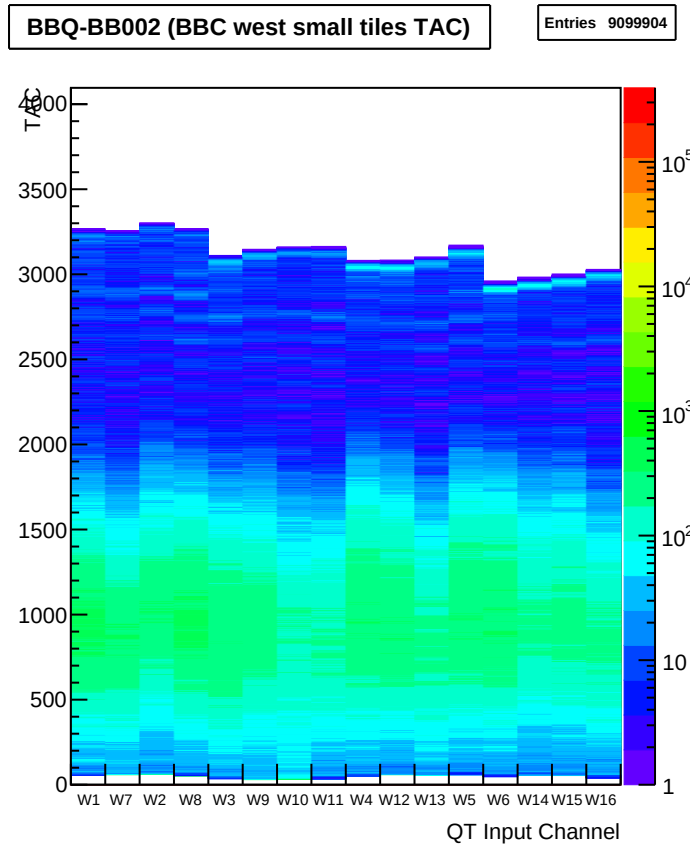

L2-TF201
Entries 3981208
Threshold/UPC bits
523590
527303
523880
528608
525138
522476
554442
45154
41441
44864
40136
43606
46268
14302
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

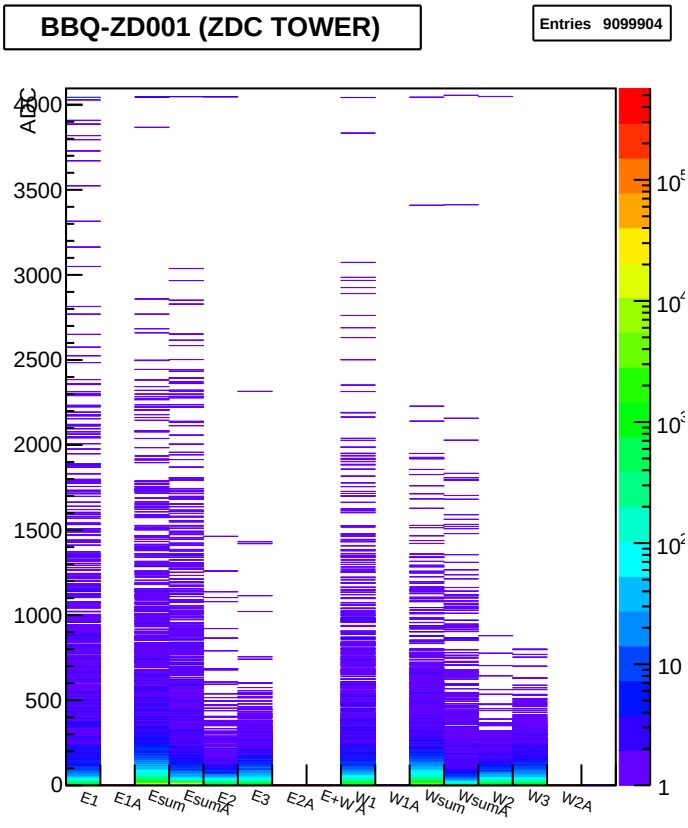

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

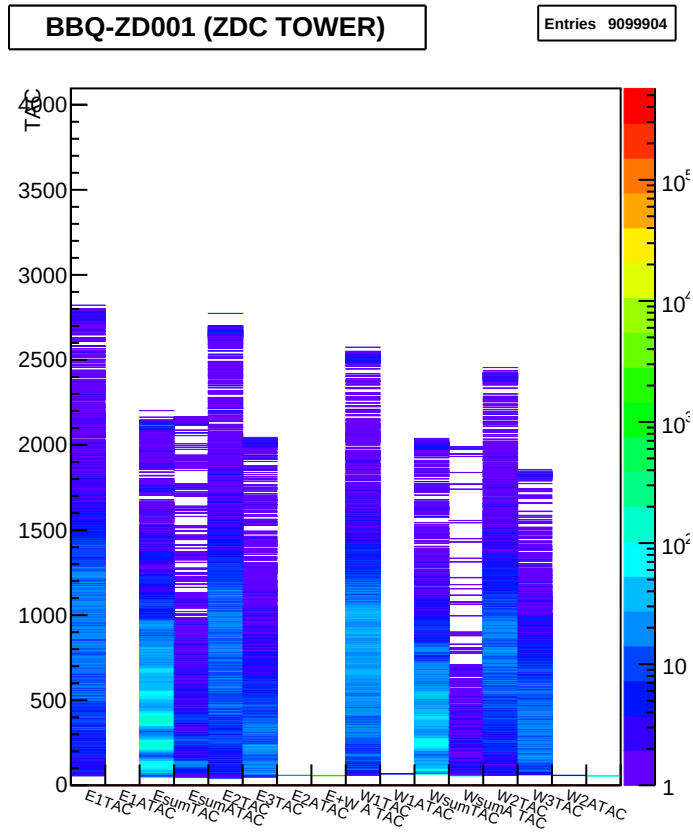

BBQ-BB001 (BBC east small tiles ADC)
Entries 9099904
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

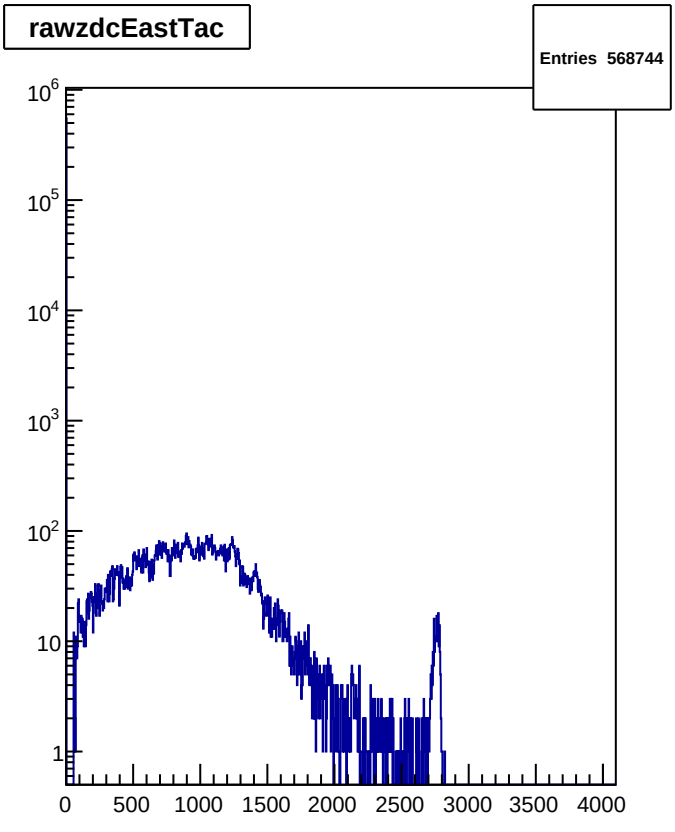

BBQ-BB001 (BBC east small tiles TAC)
Entries 9099904
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

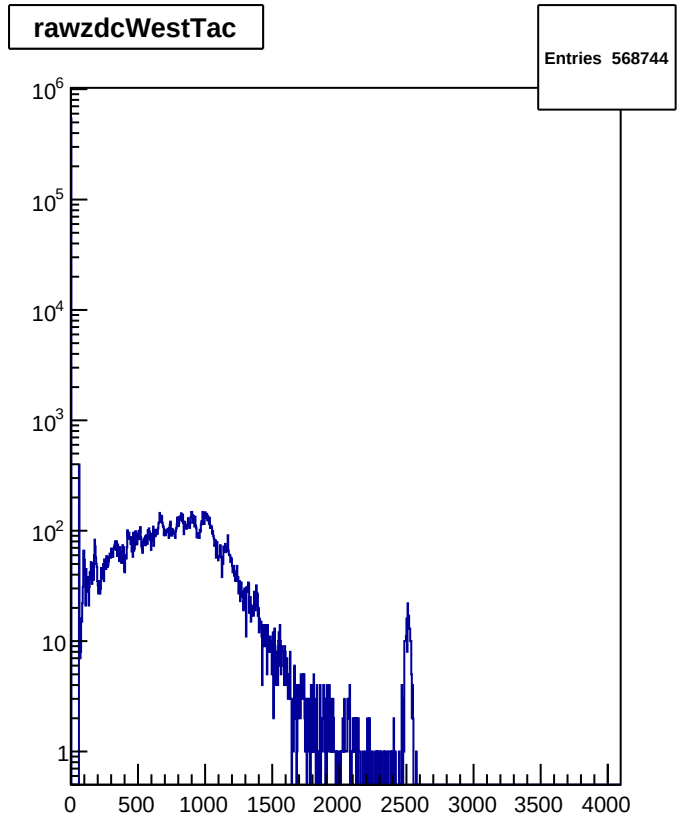

BBQ-BB002 (BBC west small tiles ADC)
Entries 9099904
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

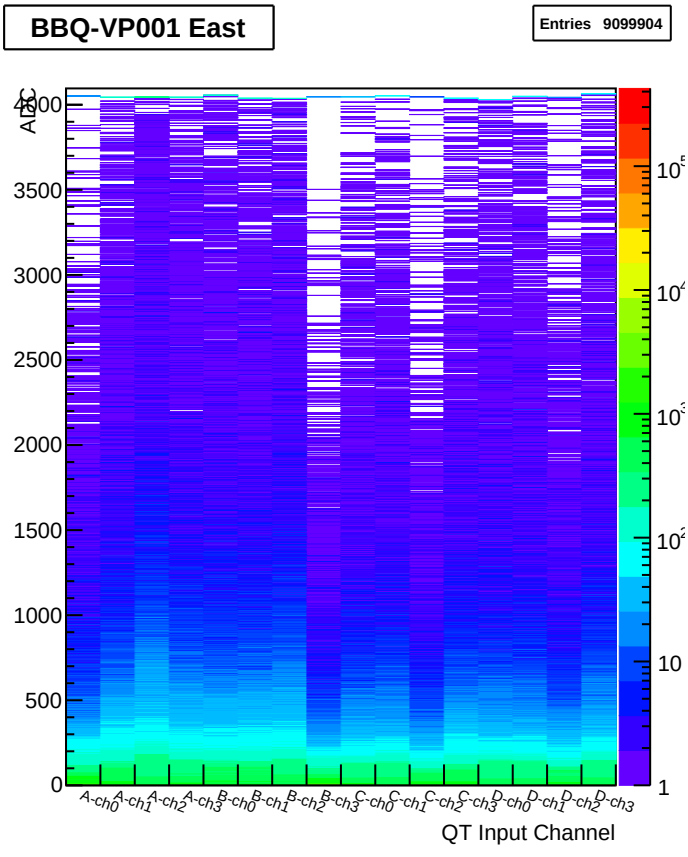

BBQ-BB002 (BBC west small tiles TAC)
Entries 9099904
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

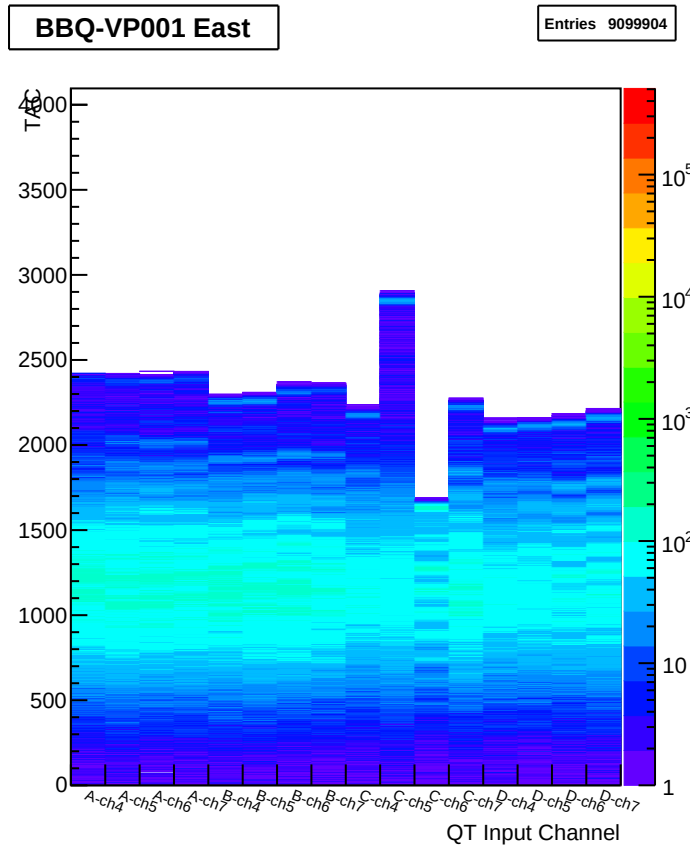

BBQ-ZD001 (ZDC TOWER)
Entries 9099904
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

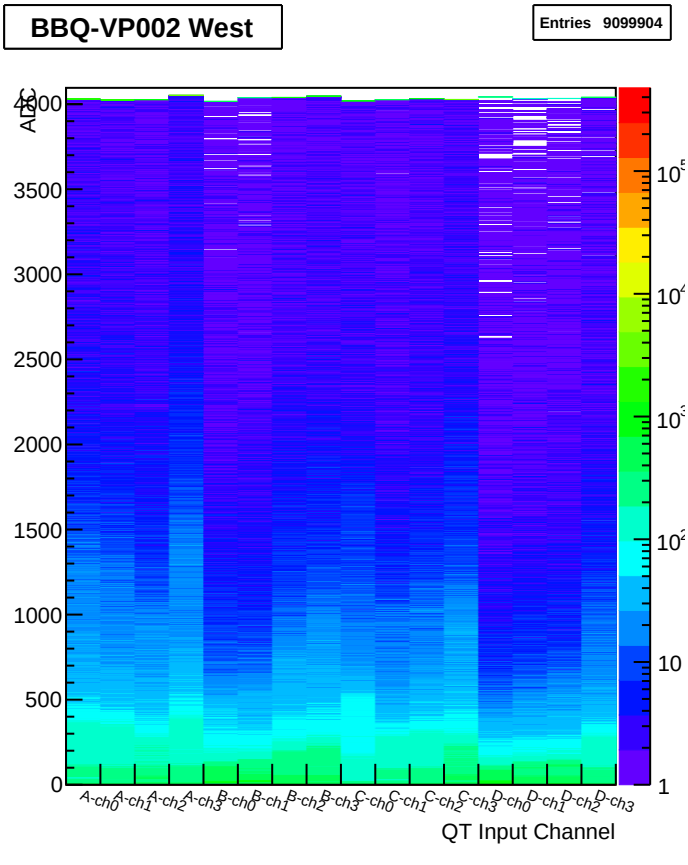

BBQ-ZD001 (ZDC TOWER)
Entries 9099904
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

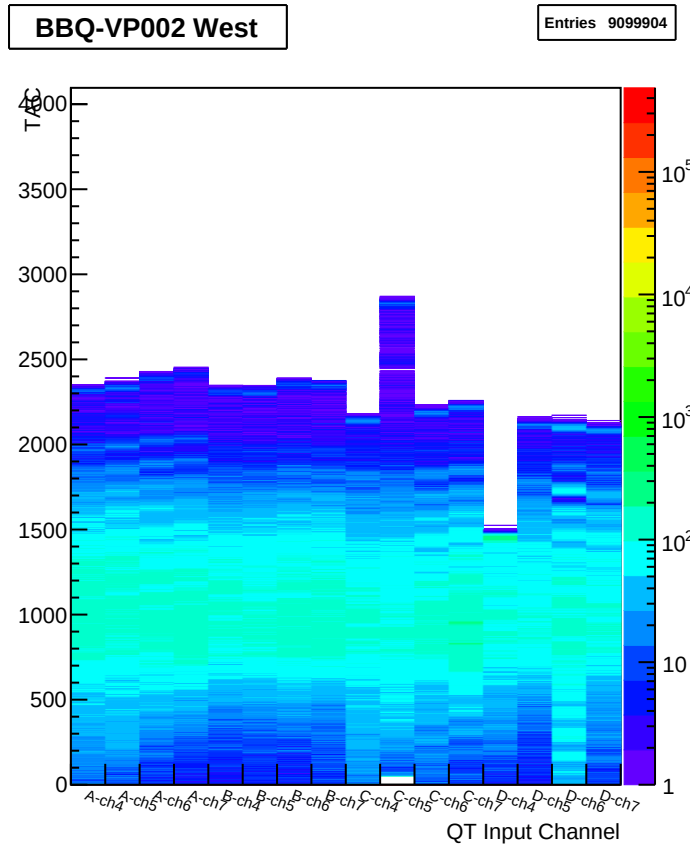

rawzdcEastTac
Entries 568744

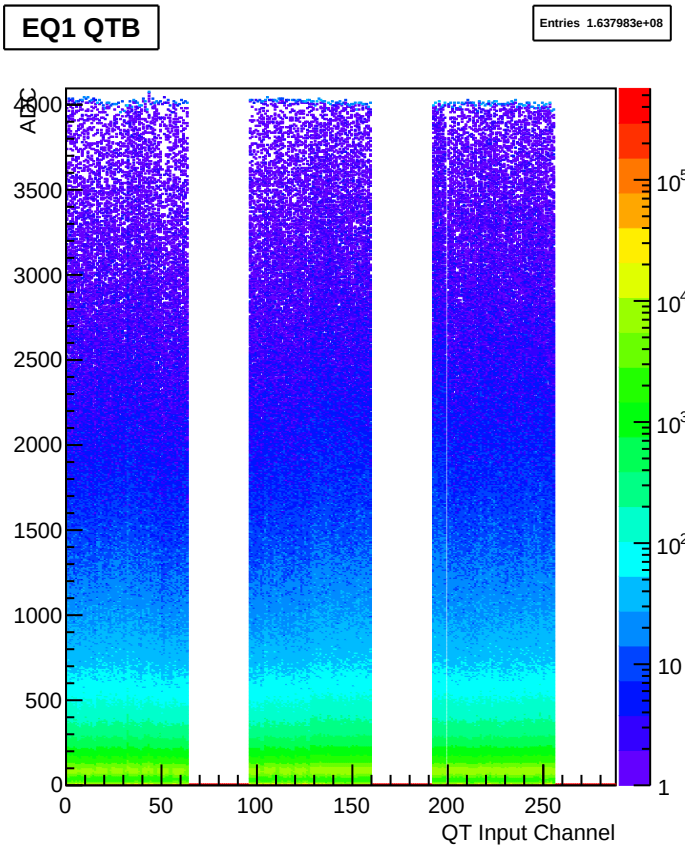

rawzdcWestTac
Entries 568744

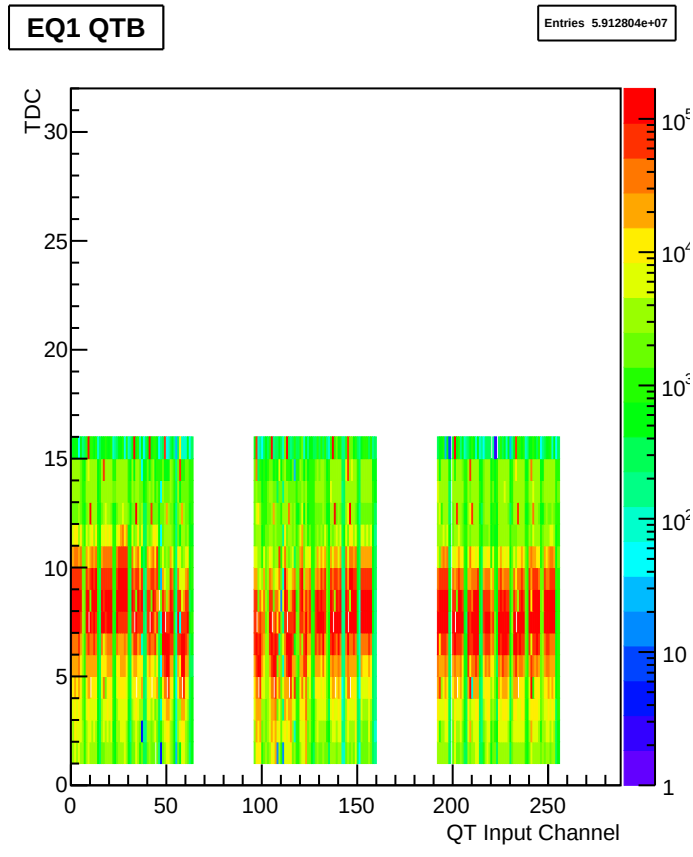

BBQ-VP001 East
Entries 9099904
ADC
QT Input Channel

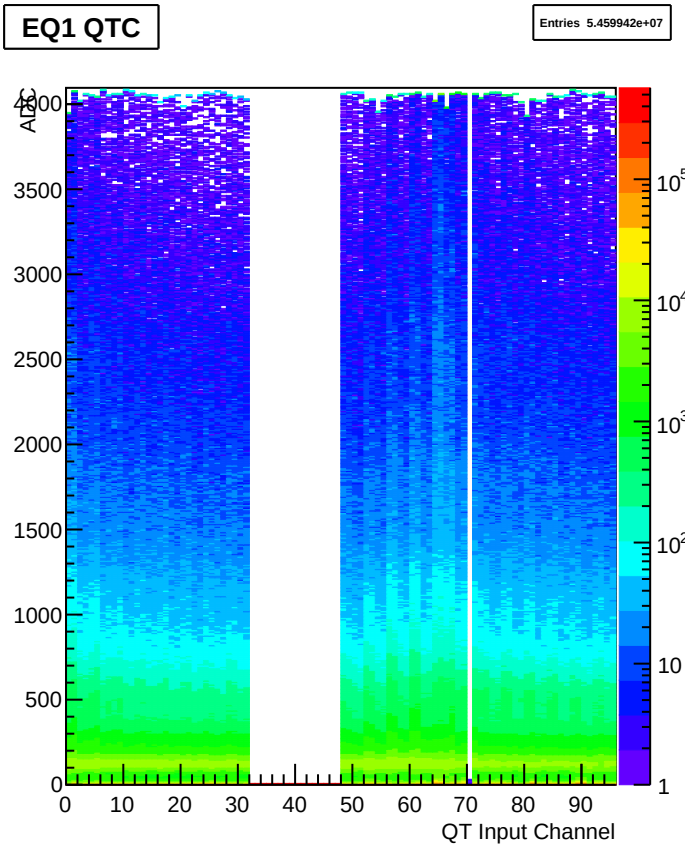

BBQ-VP001 East
Entries 9099904
ADC
QT Input Channel

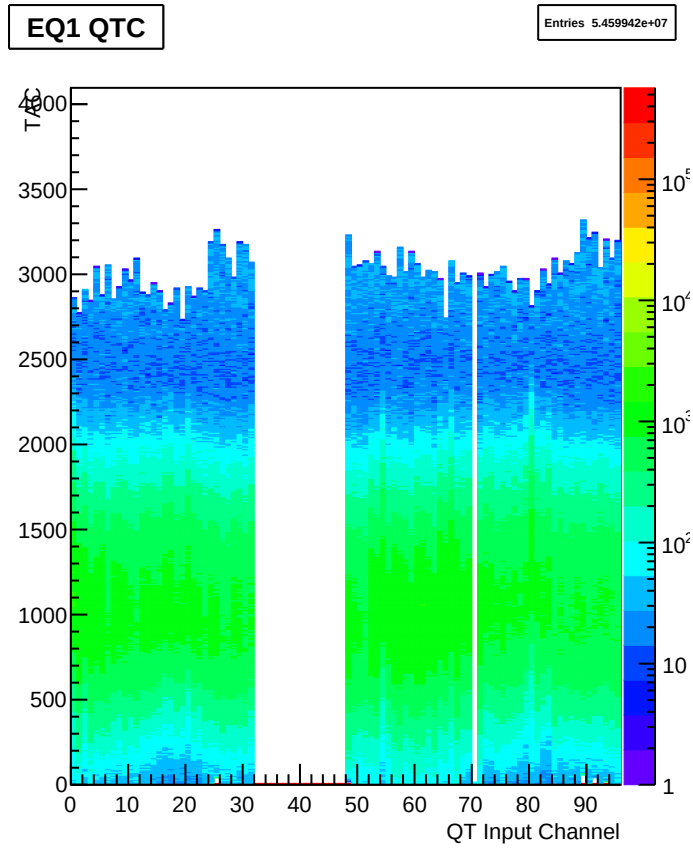

BBQ-VP002 West
Entries 9099904
ADC
QT Input Channel

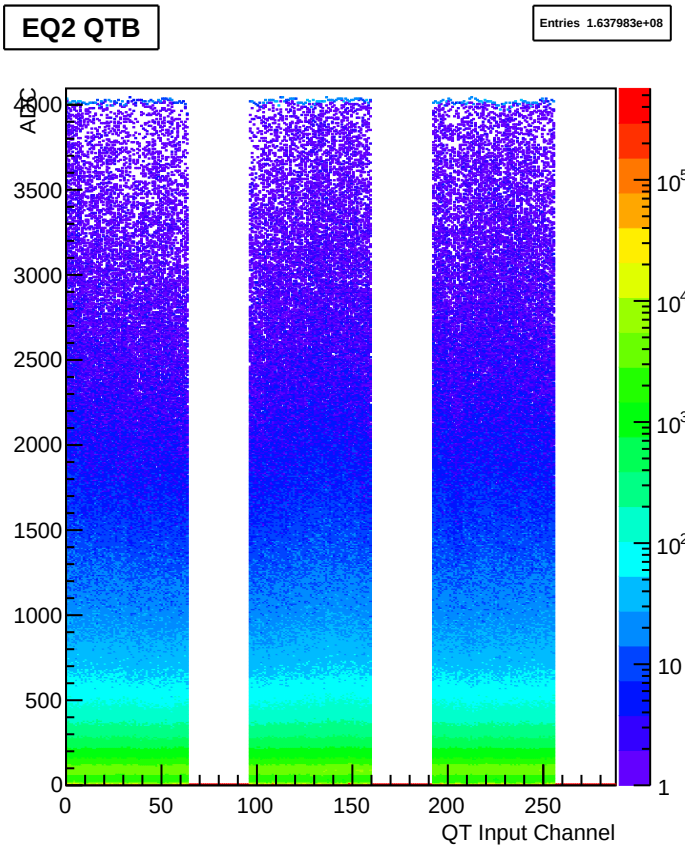

BBQ-VP002 West
Entries 9099904
ADC
QT Input Channel

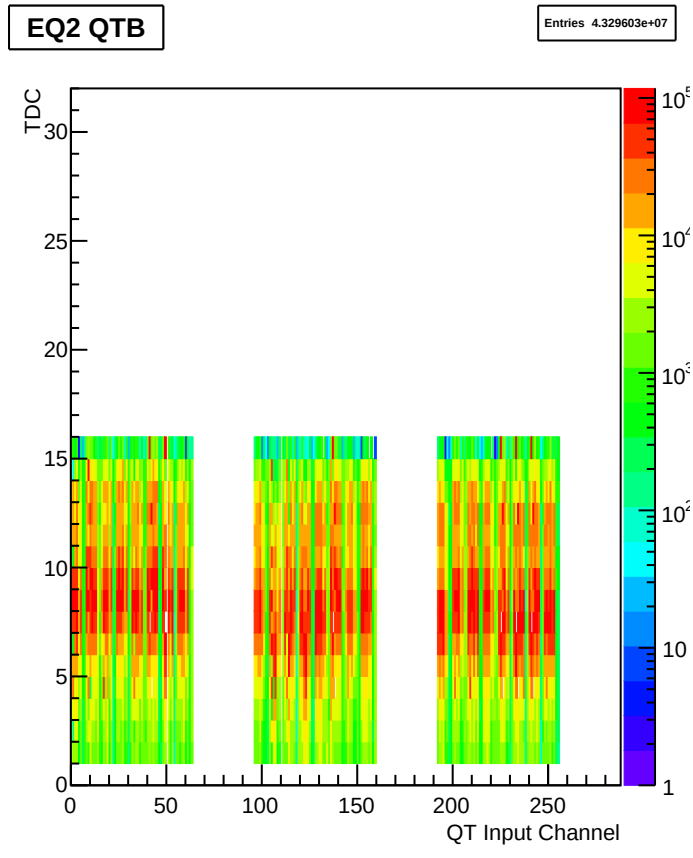

EQ1 QTB
Entries 1.637983e+08
ADC
QT Input Channel

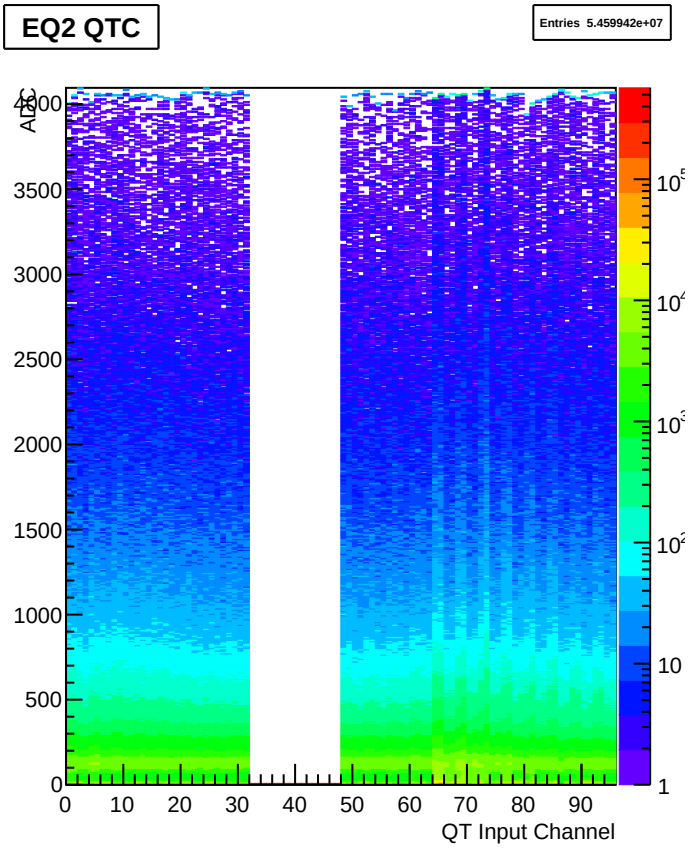

EQ1 QTB
Entries 5.912804e+07
TDC
QT Input Channel

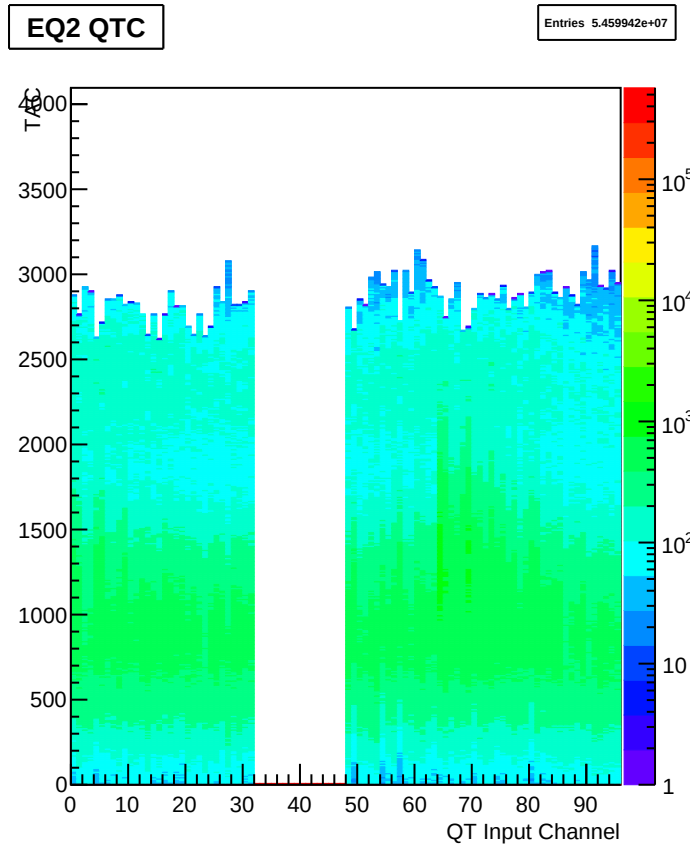

EQ1 QTC
Entries 5.459942e+07
ADC
QT Input Channel

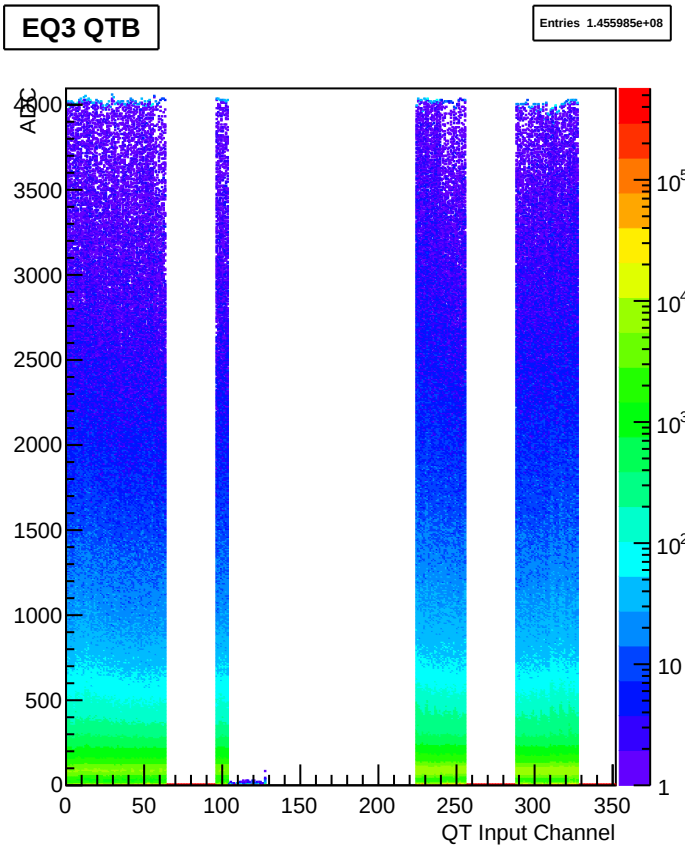

EQ1 QTC
Entries 5.459942e+07
TADC
QT Input Channel

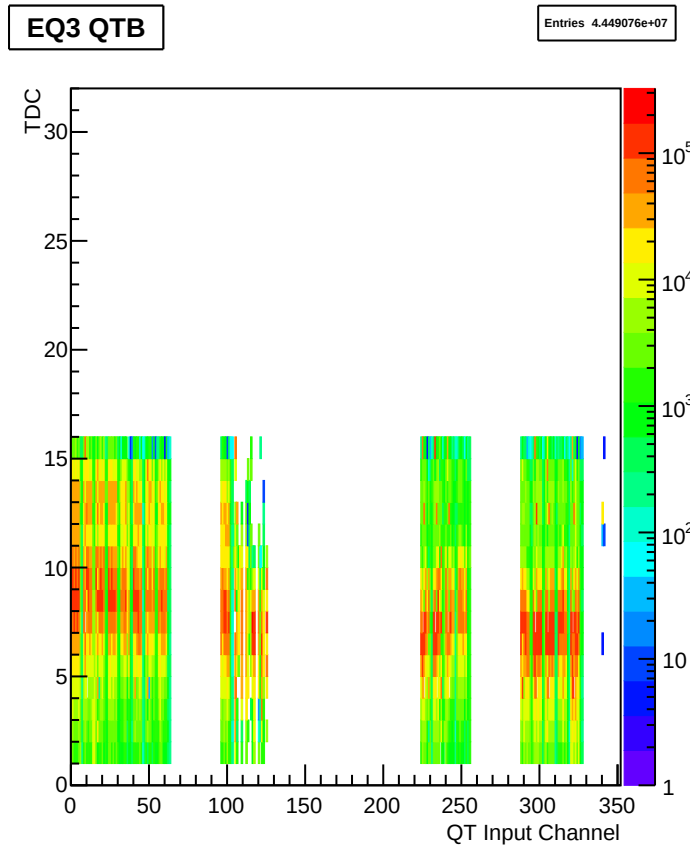

EQ2 QTB
Entries 1.637983e+08
ADC
QT Input Channel

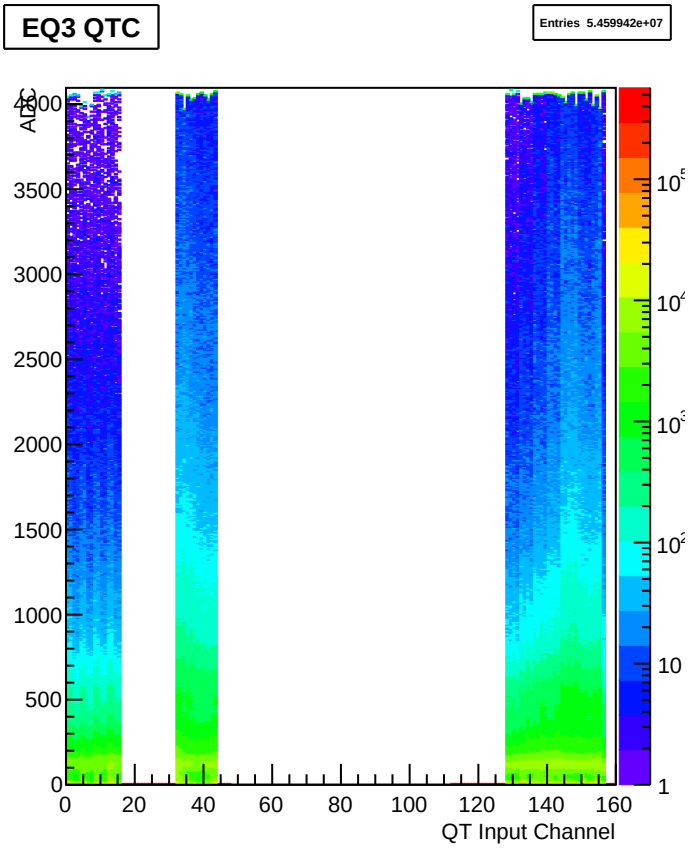

EQ2 QTB
Entries 4.329603e+07
TDC
QT Input Channel

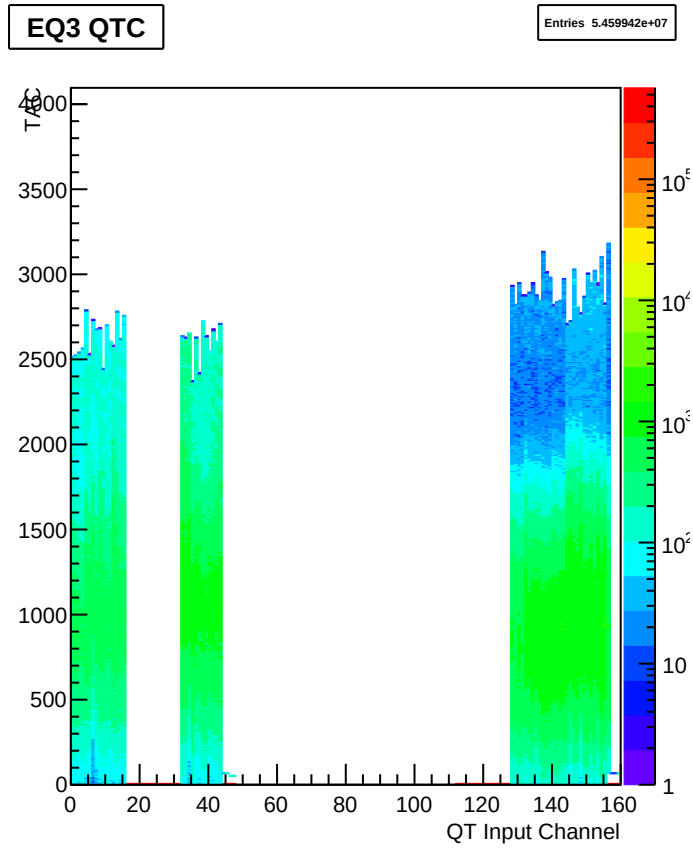

EQ2 QTC
Entries 5.459942e+07
ADC
QT Input Channel

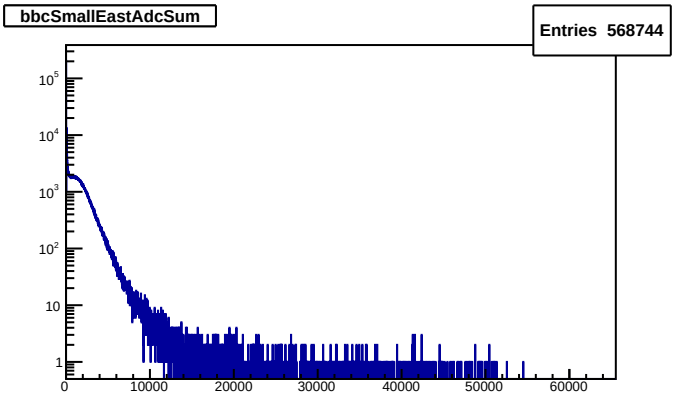

EQ2 QTC
Entries 5.459942e+07
TADC
QT Input Channel

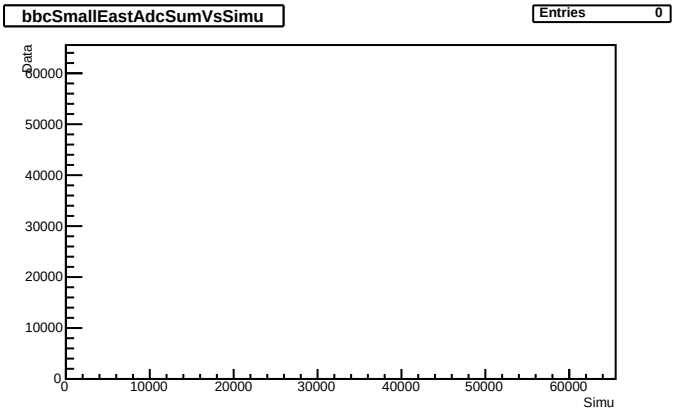

EQ3 QTB
Entries 1.455985e+08
ADC
QT Input Channel

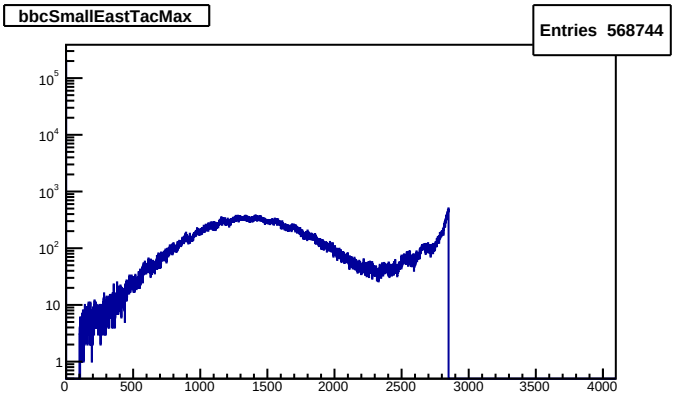

EQ3 QTB
Entries 4.449076e+07
TDC
QT Input Channel

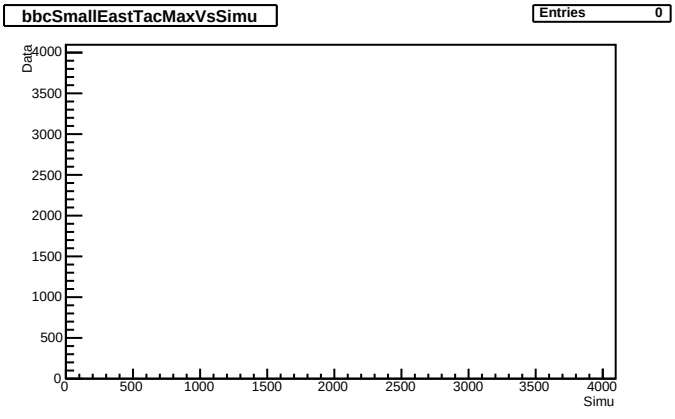

EQ3 QTC
Entries 5.459942e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.459942e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 568744


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 568744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Entries 0
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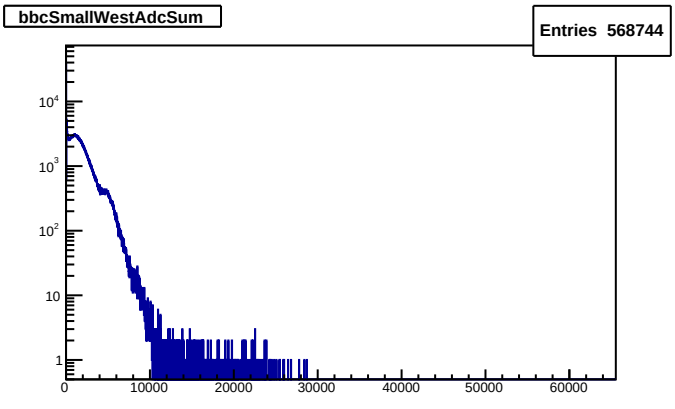
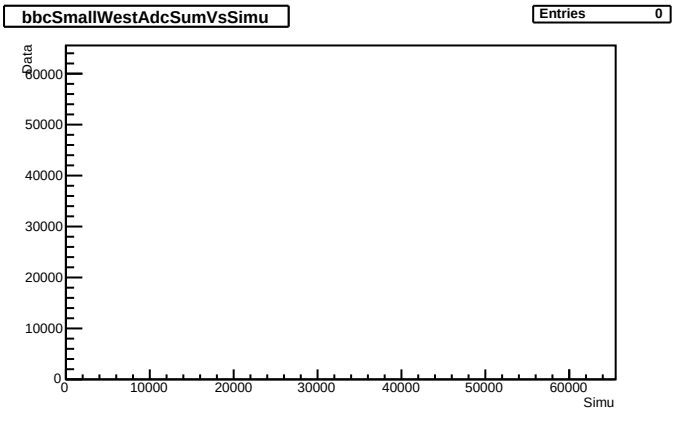

bbcSmallWestAdcSum
Entries 568744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Entries 0
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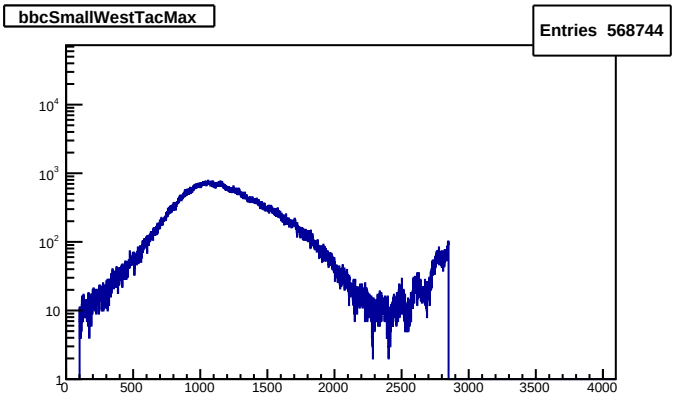
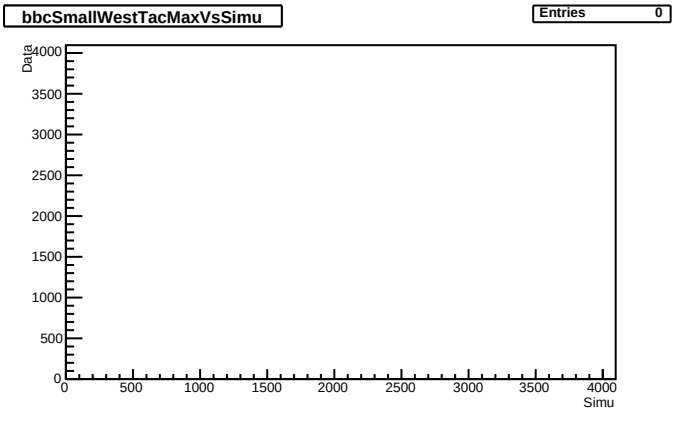
Simu


bbcSmallWestTacMax
Entries 568744


bbcSmallWestTacMaxVsSimu
Entries 0
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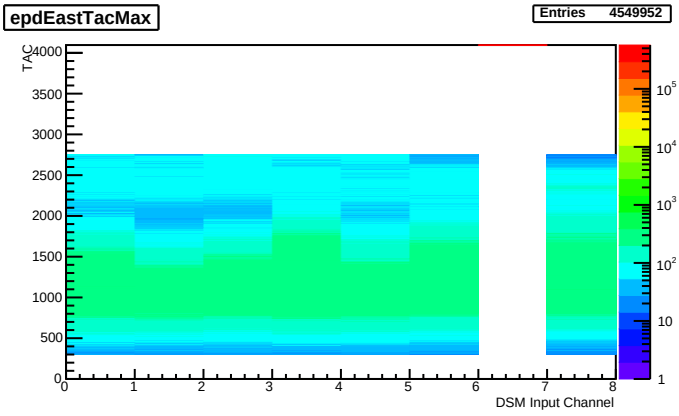
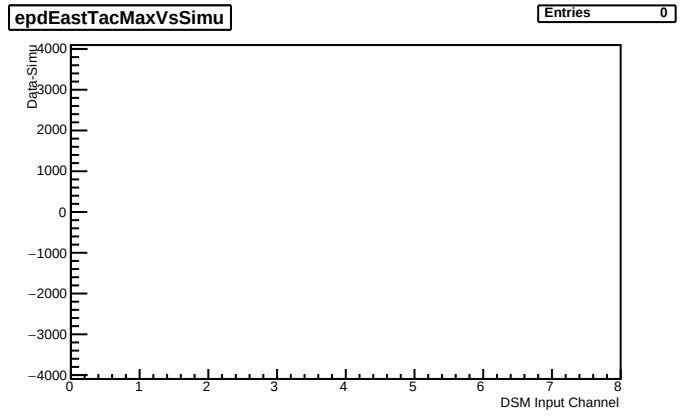
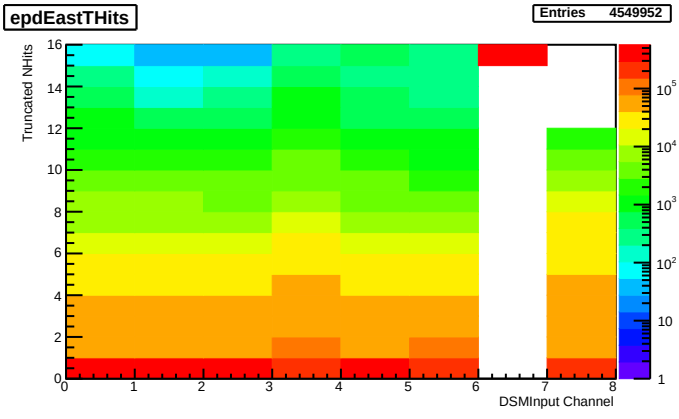
Simu


epdEastTacMax
Entries 4549952
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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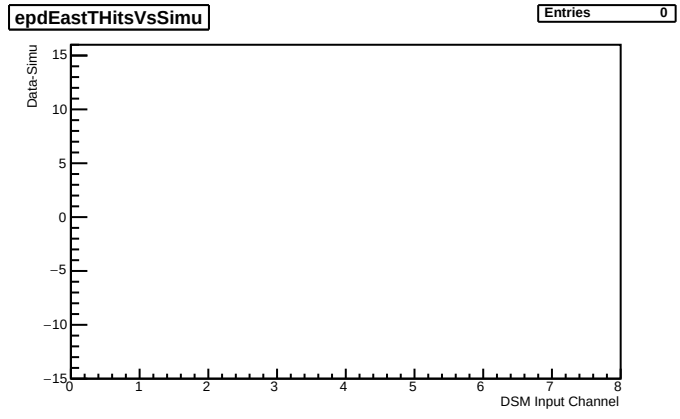
Entries 4549952
Truncated NHits
DSMInput Channel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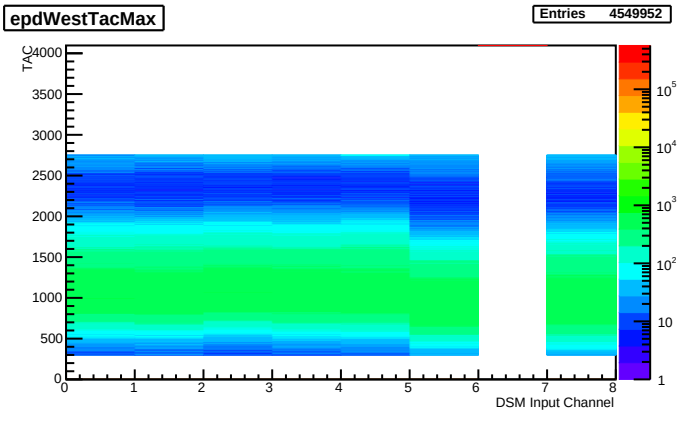
DSM Input Channel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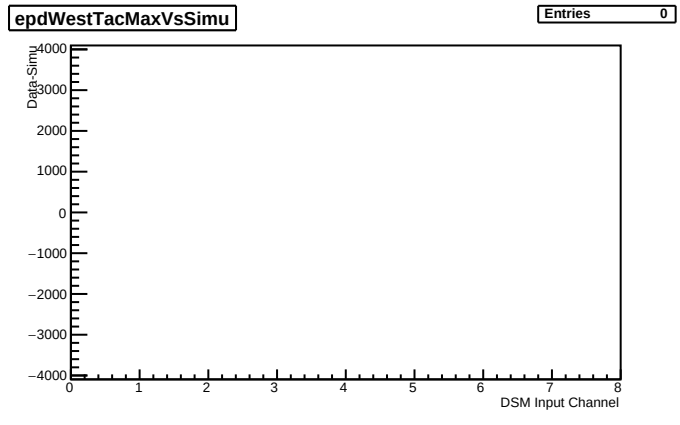
Entries 4549952
TAC
DSM Input Channel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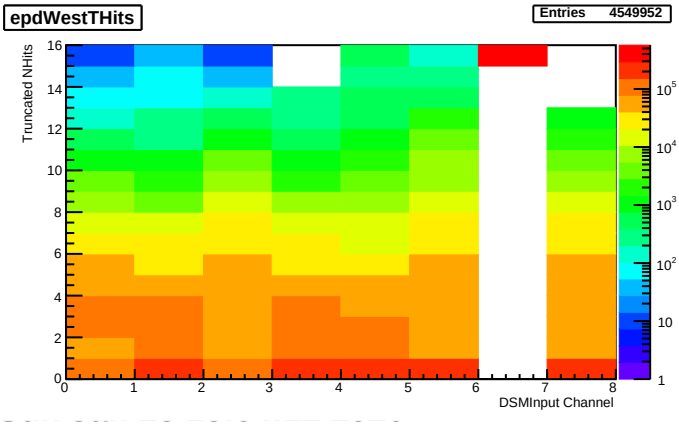
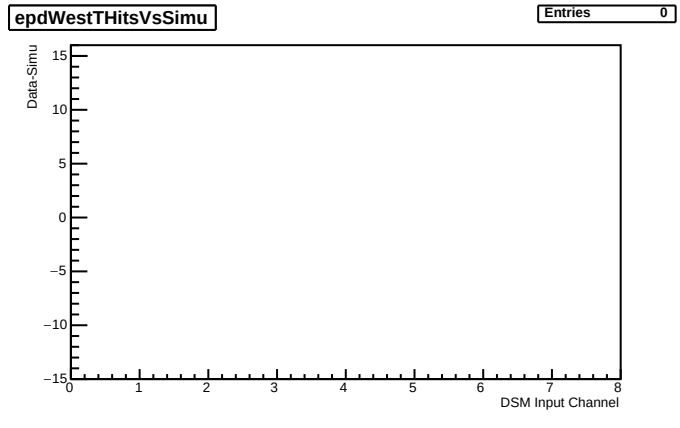
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4549952
Truncated NHits
DSMInput Channel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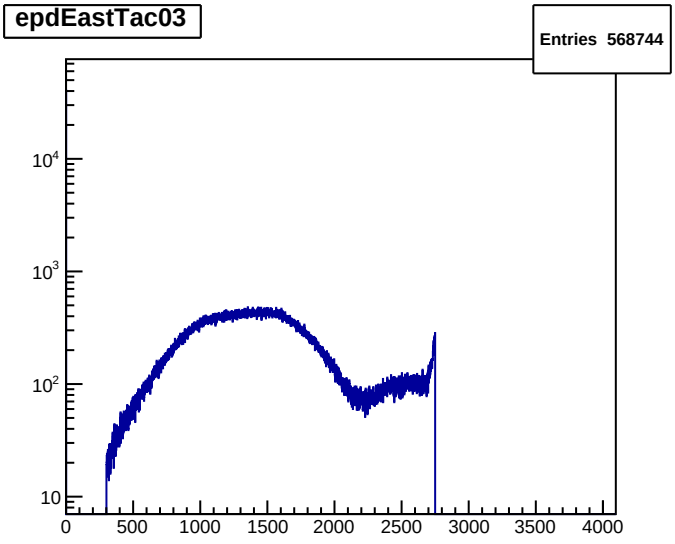
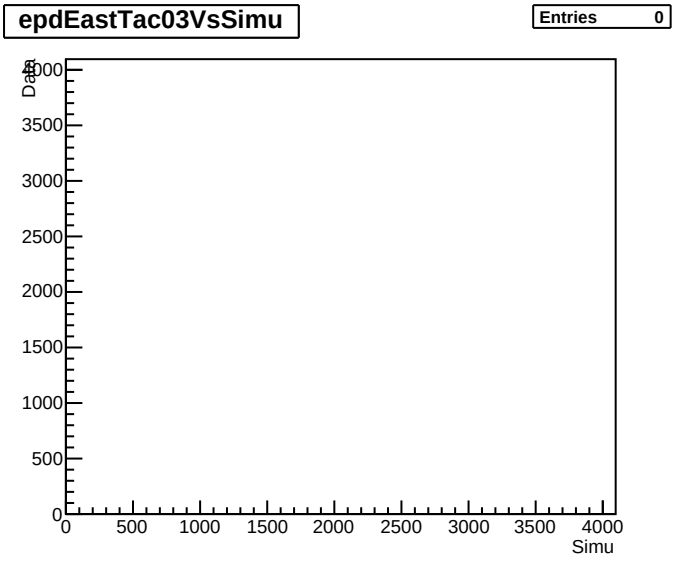
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 568744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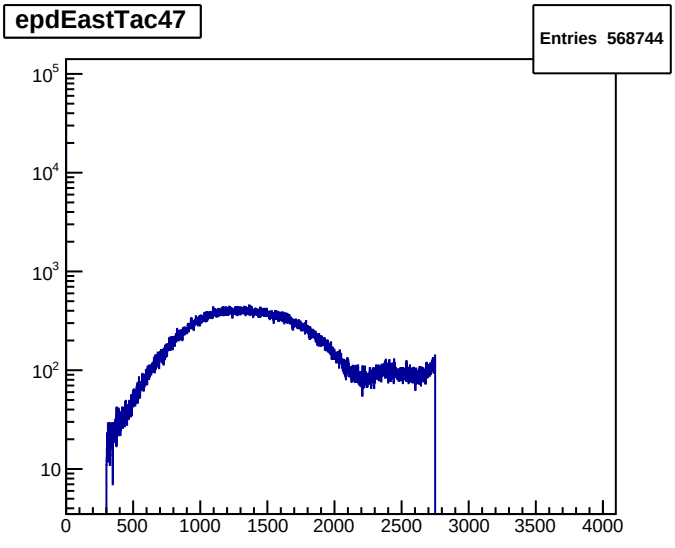
Entries 0
Data
Simu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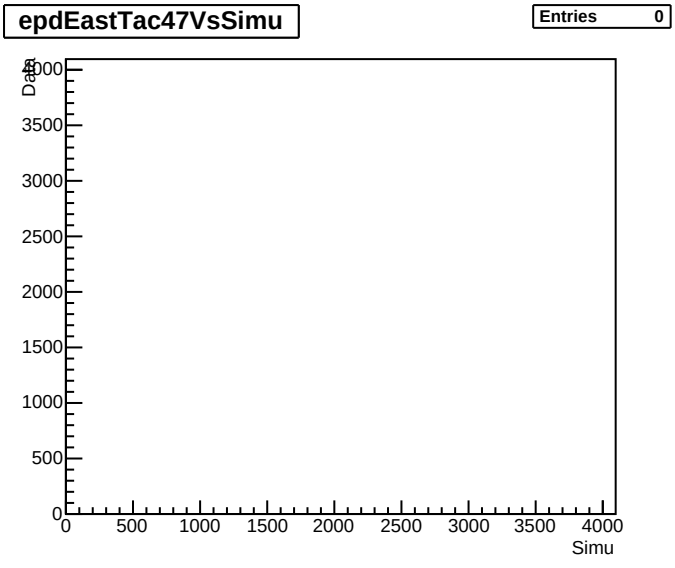
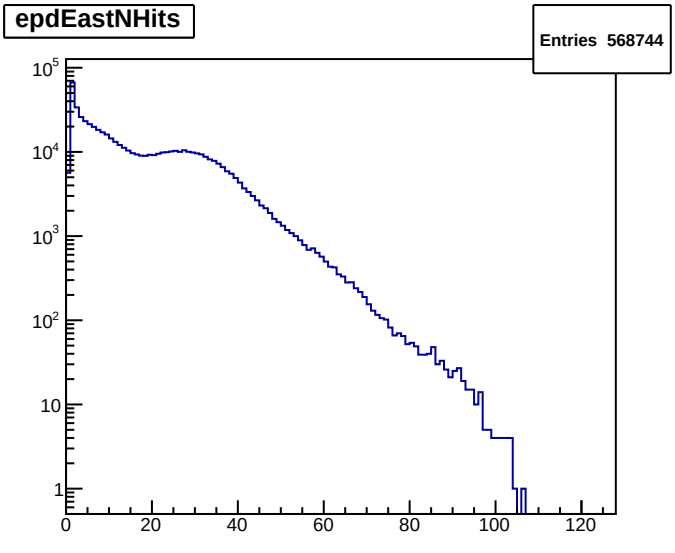
Entries 568744


epdEastTac47VsSimu
Entries 0
Data
Simu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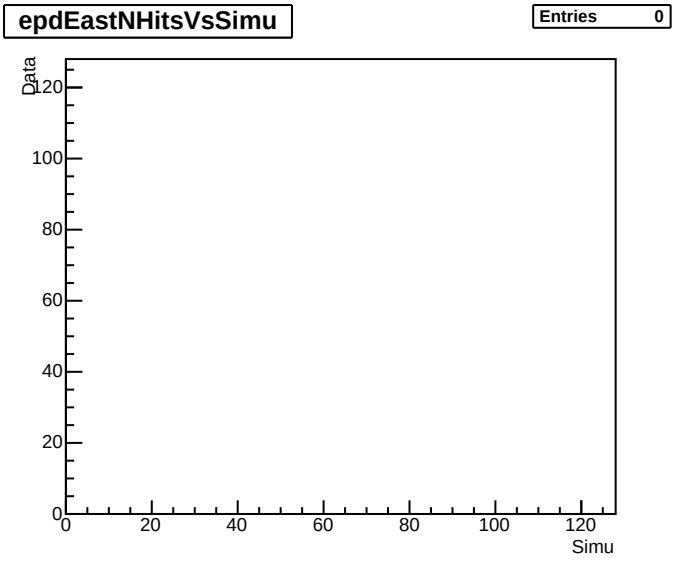
Entries 568744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Data
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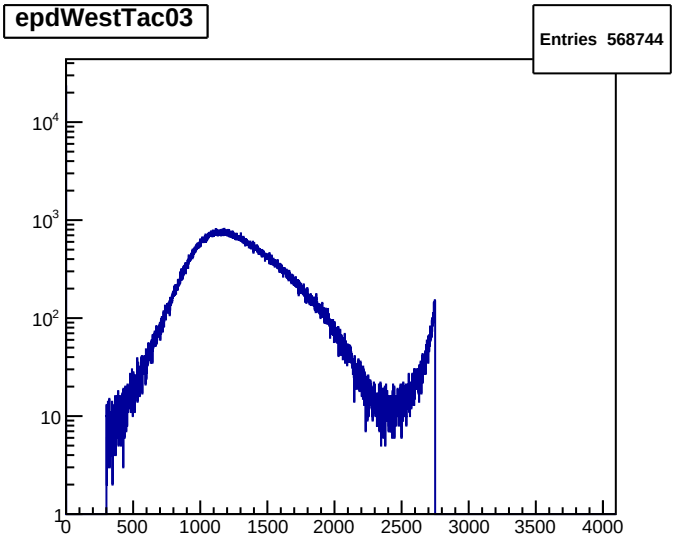
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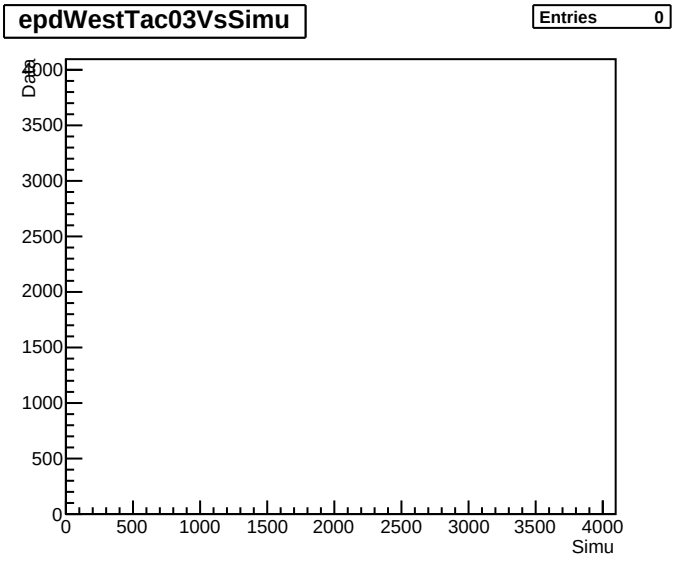
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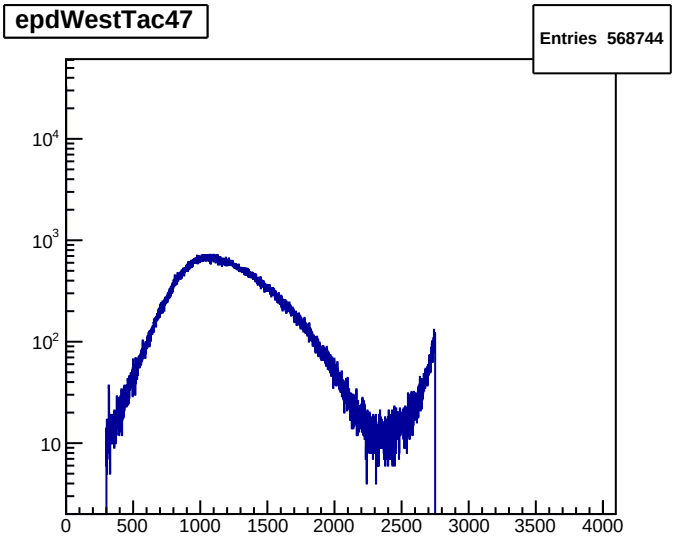
Data
Simu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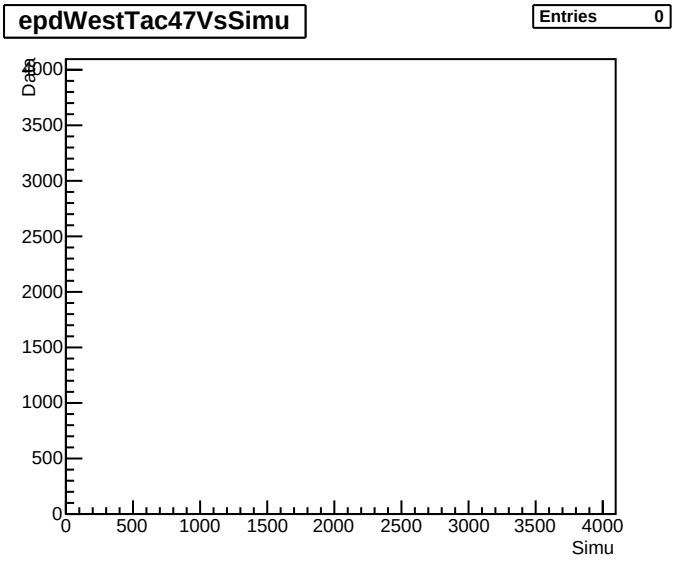
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Entries 0
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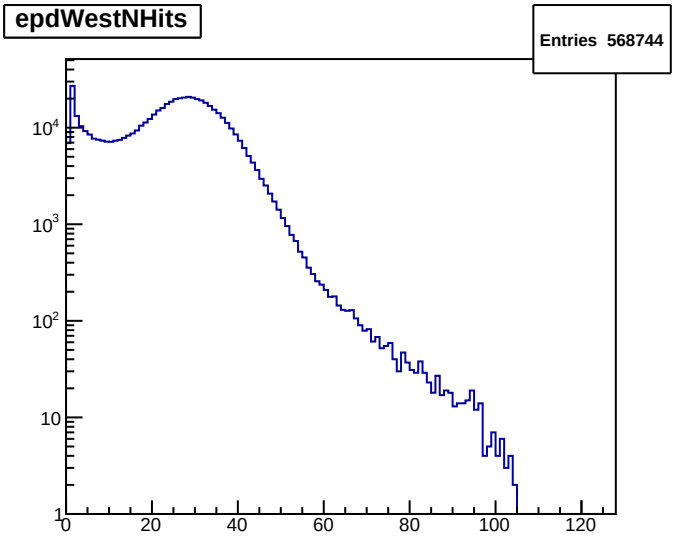
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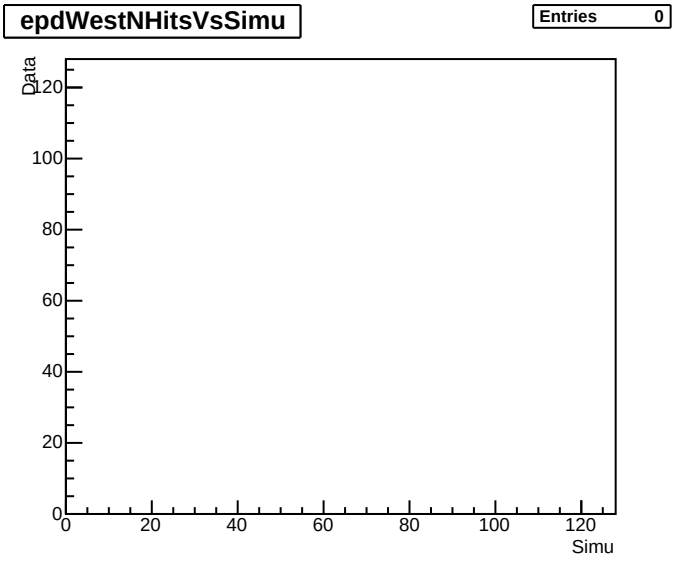
Entries 568744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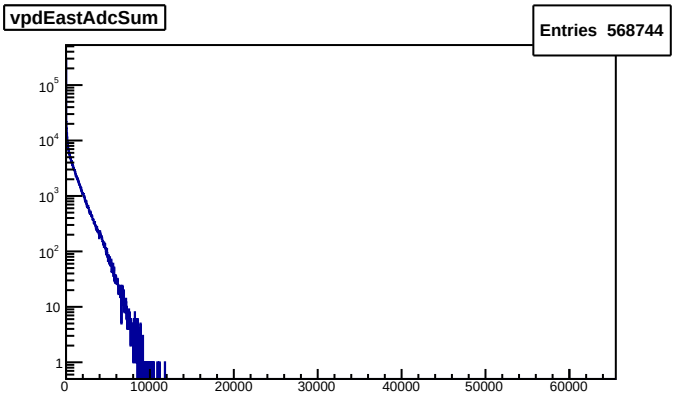
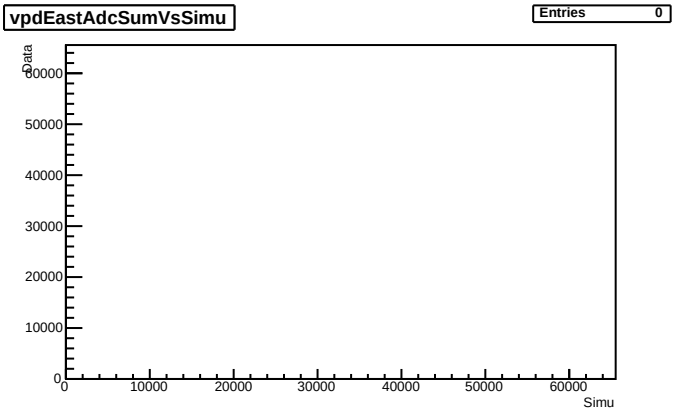
Entries 0
Data
Simu


vpdEastAdcSum
Entries 568744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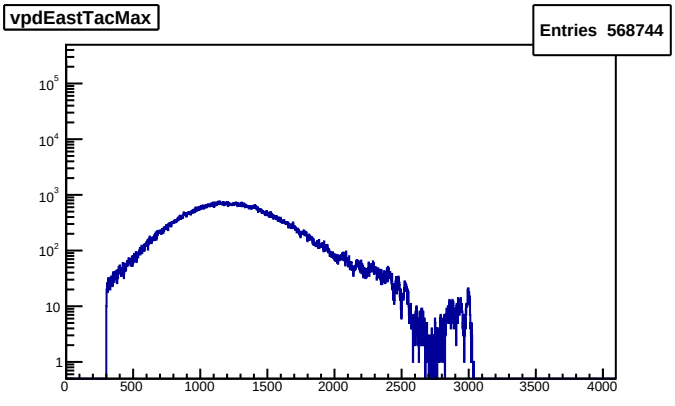
Entries 0
Data
Simu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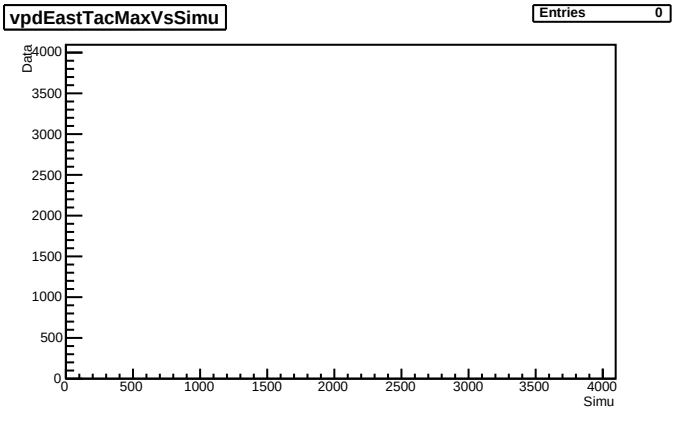
Entries 568744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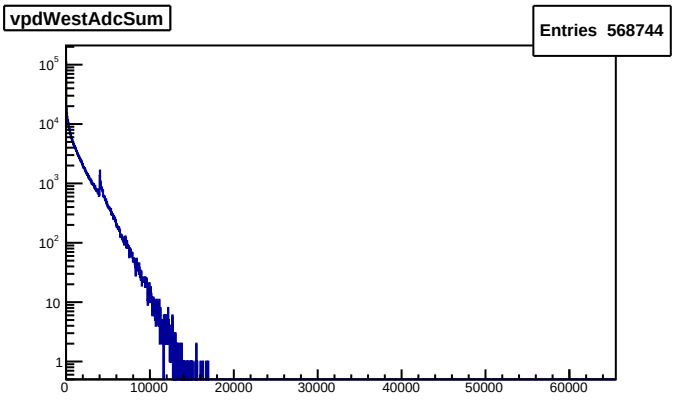
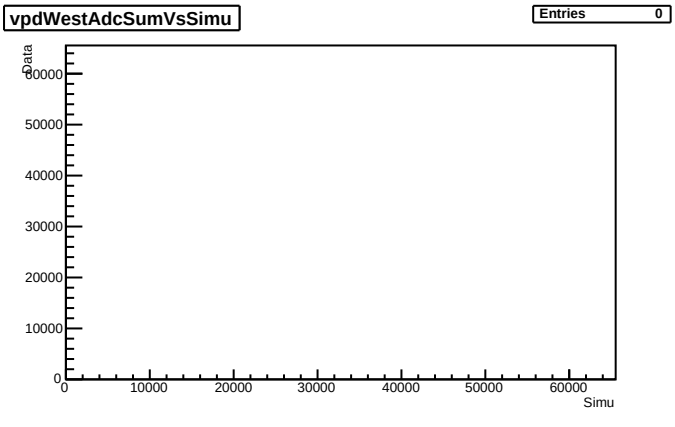
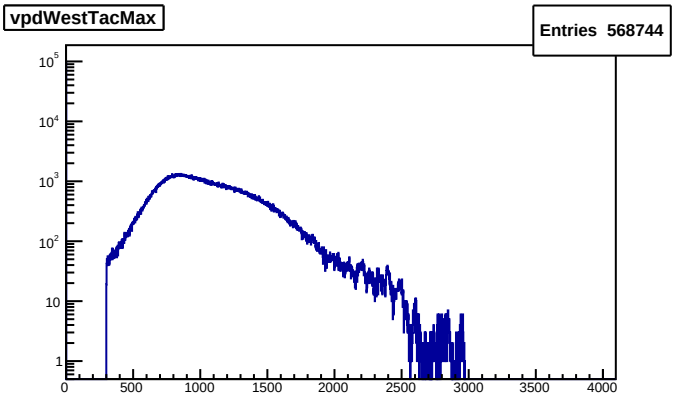
Entries 0
Data
Simu


vpdWestAdcSum
Entries 568744


vpdWestAdcSumVsSimu
Entries 0
Data
Simu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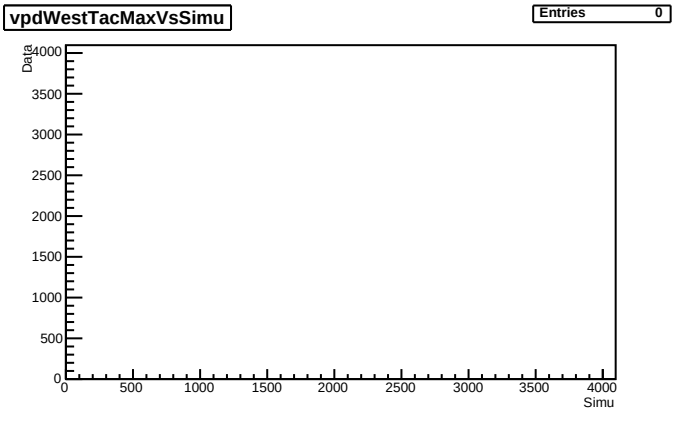
Entries 568744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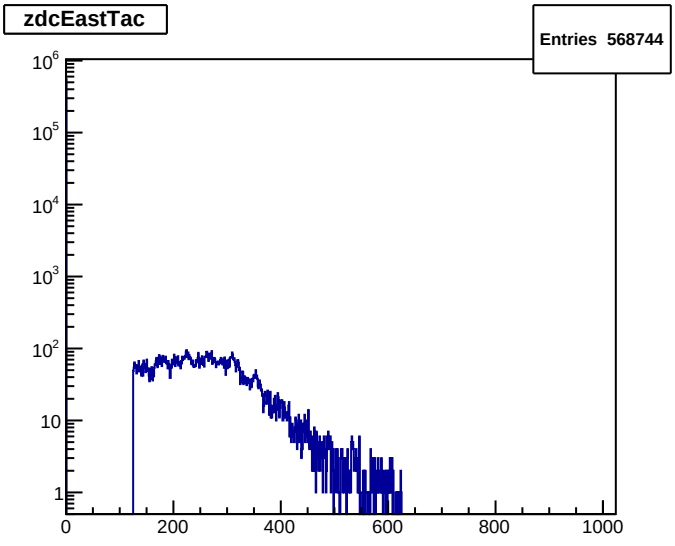
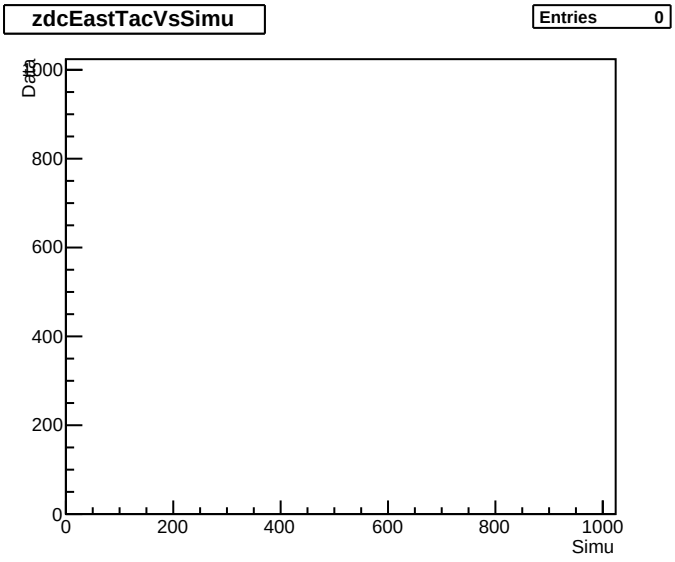
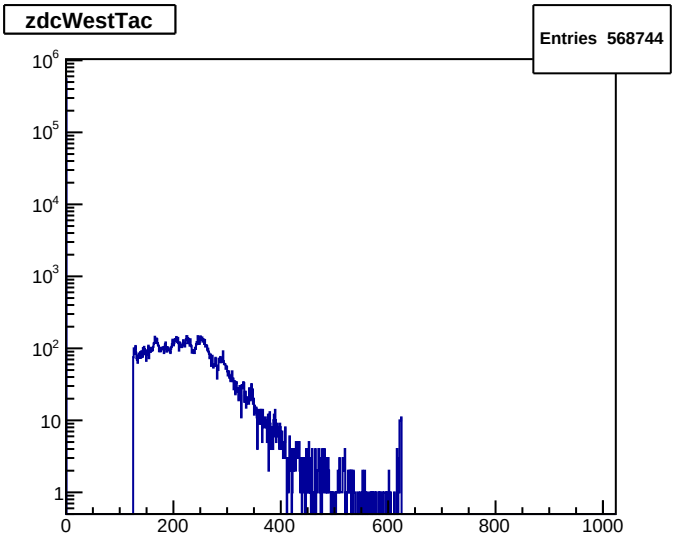
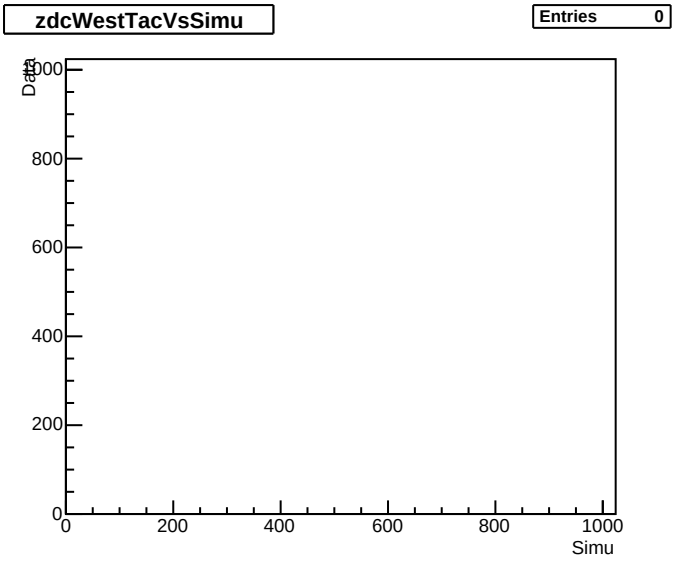
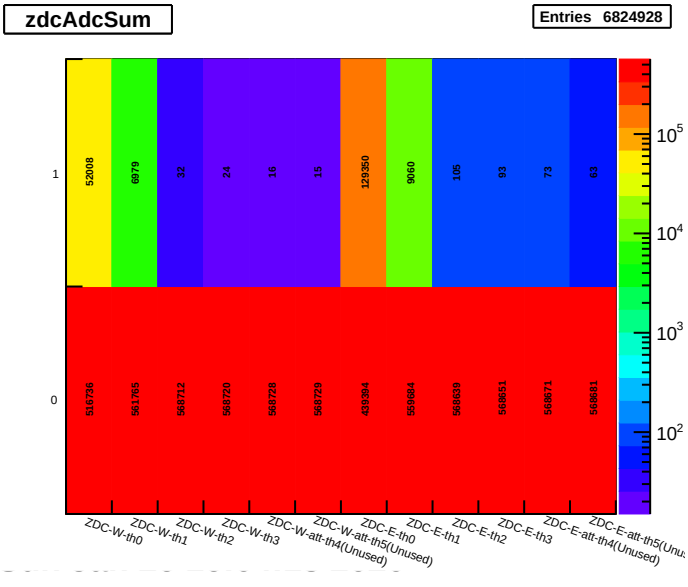
Entries 0
Data
Simu


zdcEastTac
Entries 568744


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 568744


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 6824928
52008
6979
32
24
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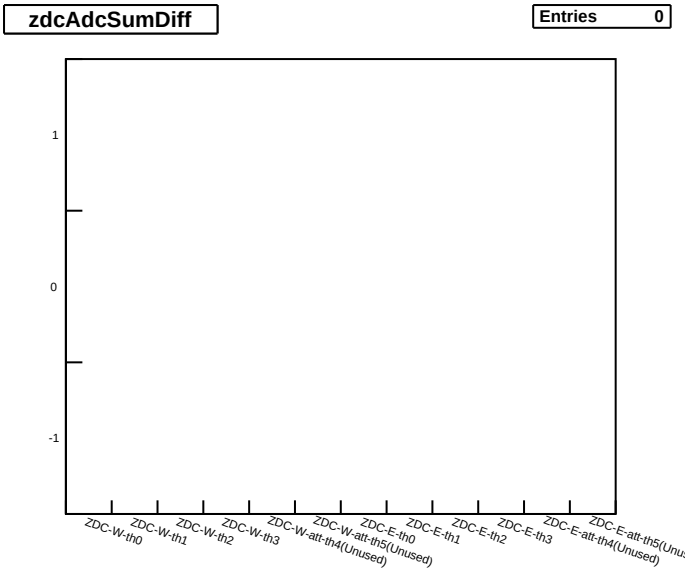
129350
9060
105
93
73
63
516736
561765
568712
568720
568728
568729
439394
559684
568639
568651
568671
568681
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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)
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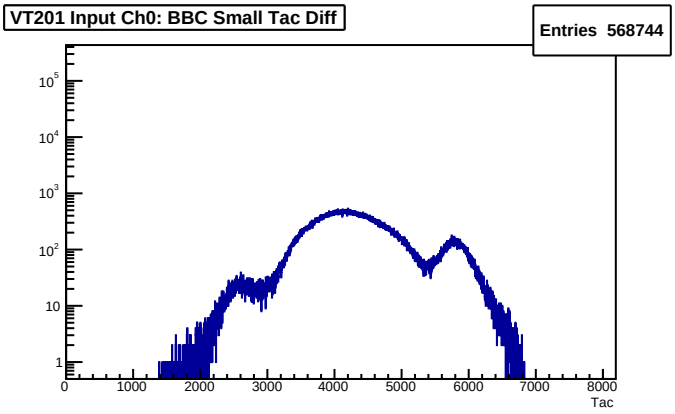
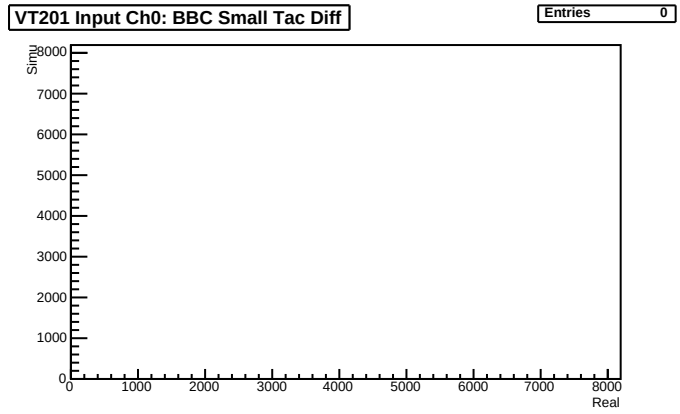
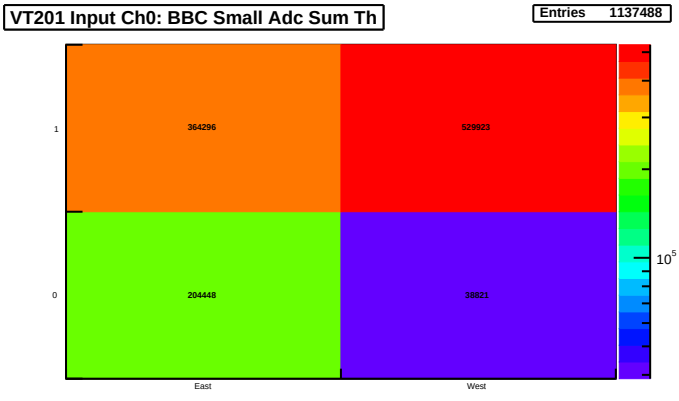
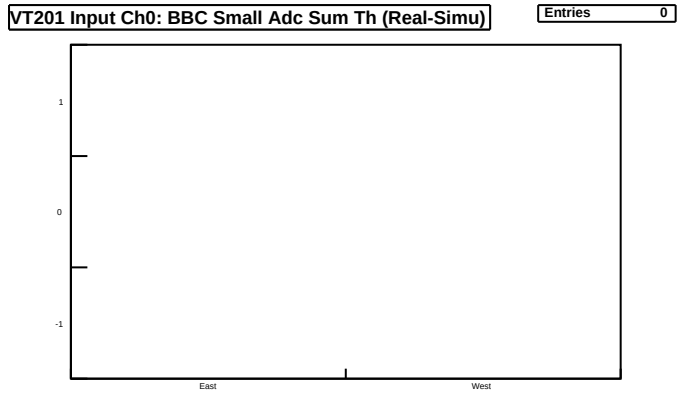
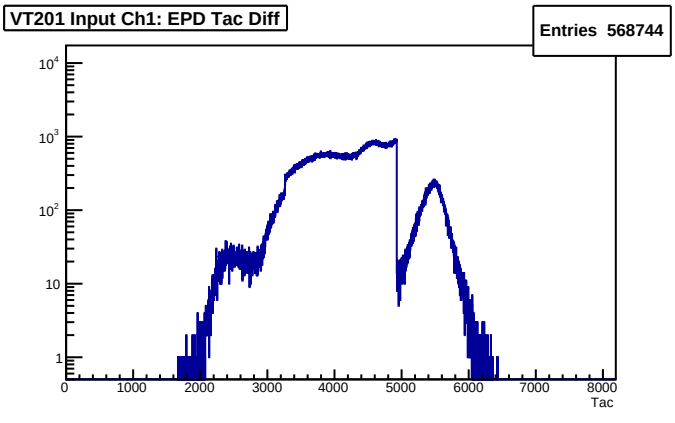
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

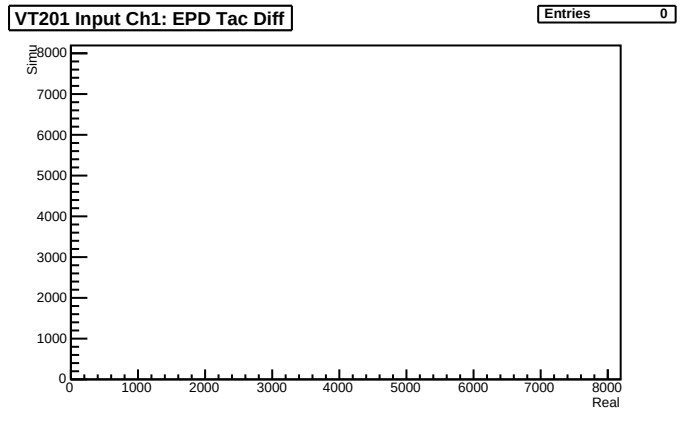

VT201 Input Ch0: BBC Small Tac Diff
Entries 568744
Tac

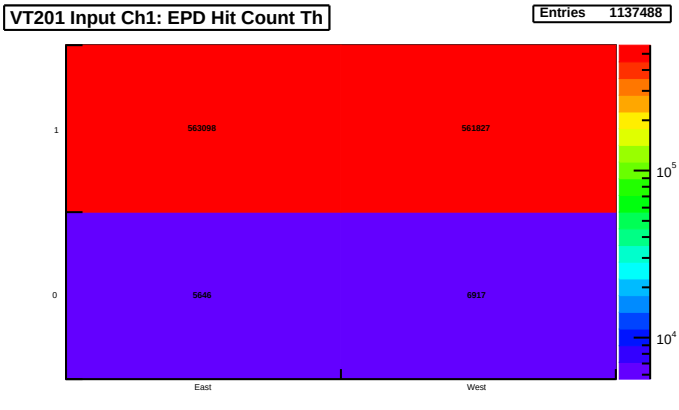

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

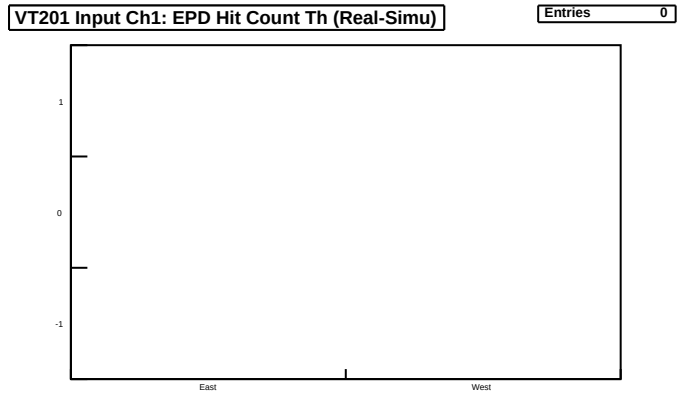

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1137488
364296
529923
204448
38821
East
West

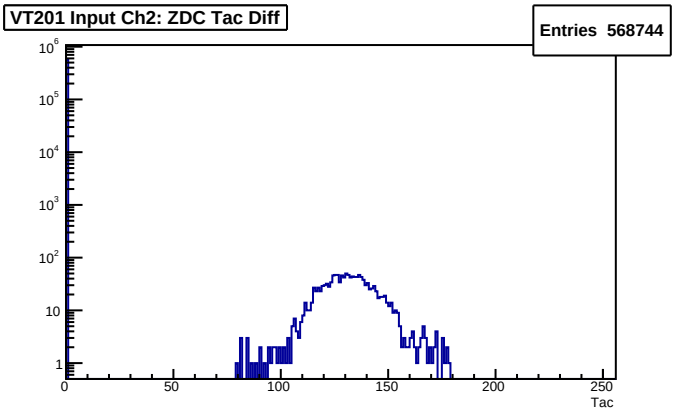

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

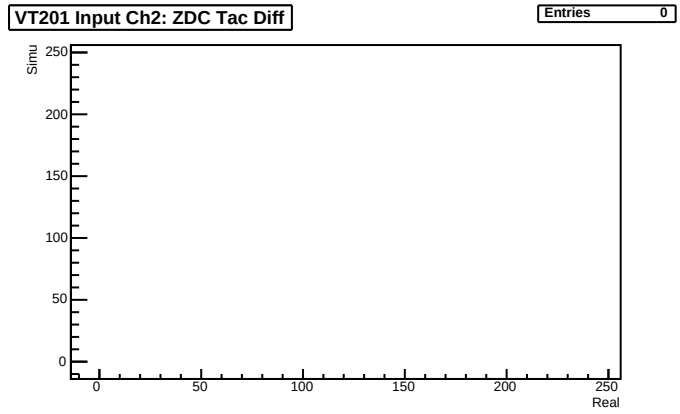

VT201 Input Ch1: EPD Tac Diff
Entries 568744
Tac

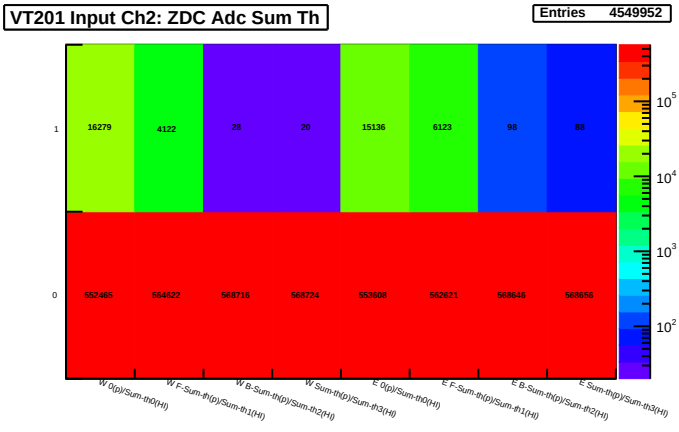

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

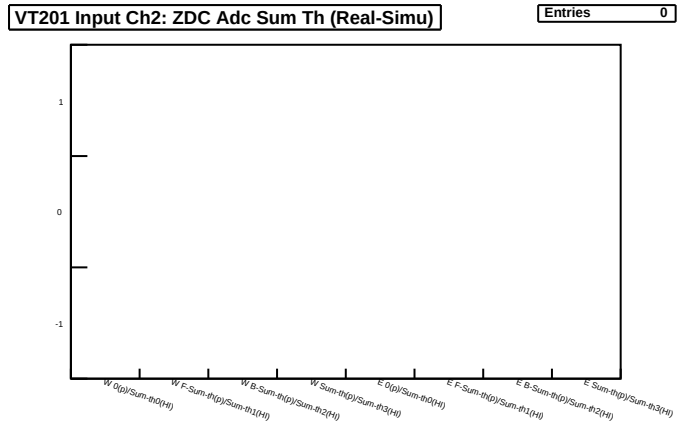

VT201 Input Ch1: EPD Hit Count Th
Entries 1137488
563098
561827
5646
6917
East
West

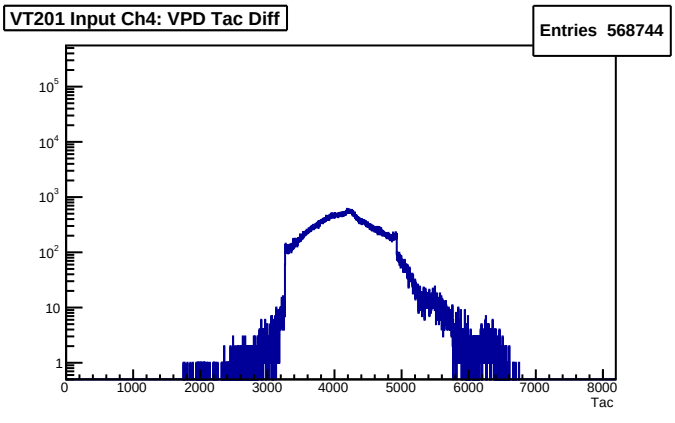

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

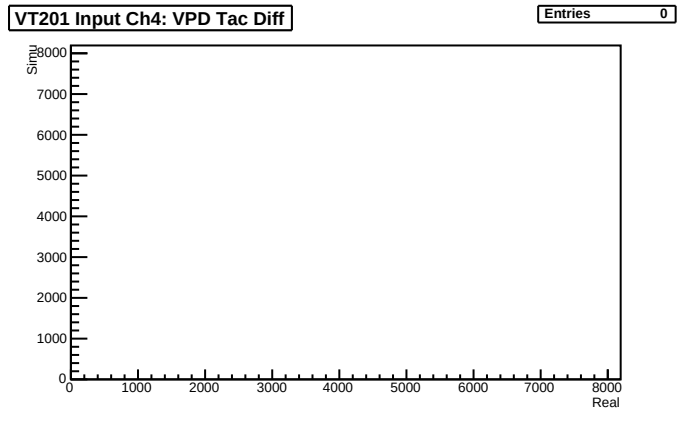

VT201 Input Ch2: ZDC Tac Diff
Entries 568744
Tac

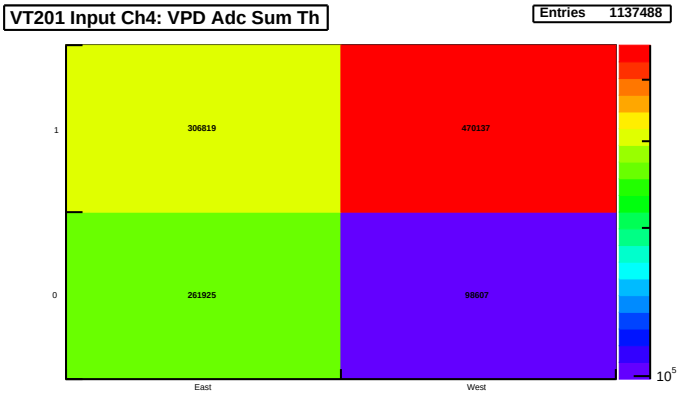

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

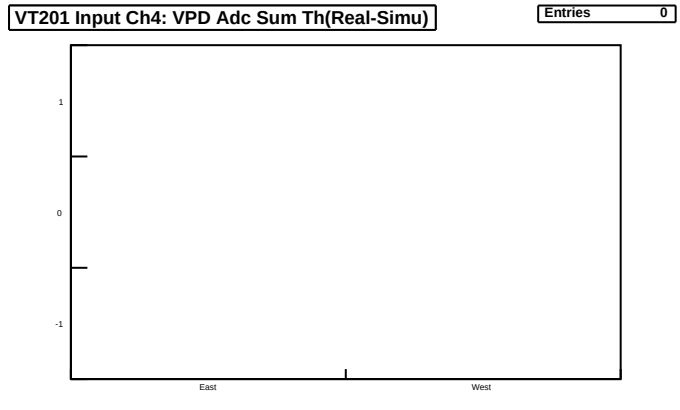

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4549952
16279
4122
28
20
15136
6123
98
88
552465
564622
568716
568724
553608
562621
568646
568656
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

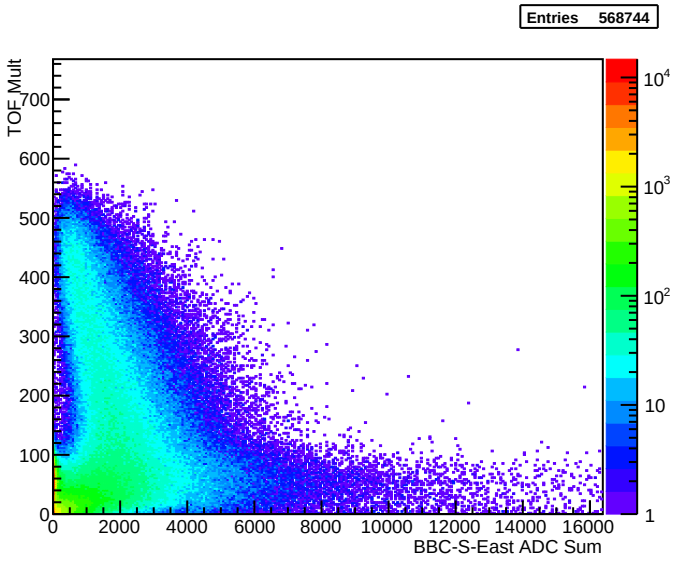

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

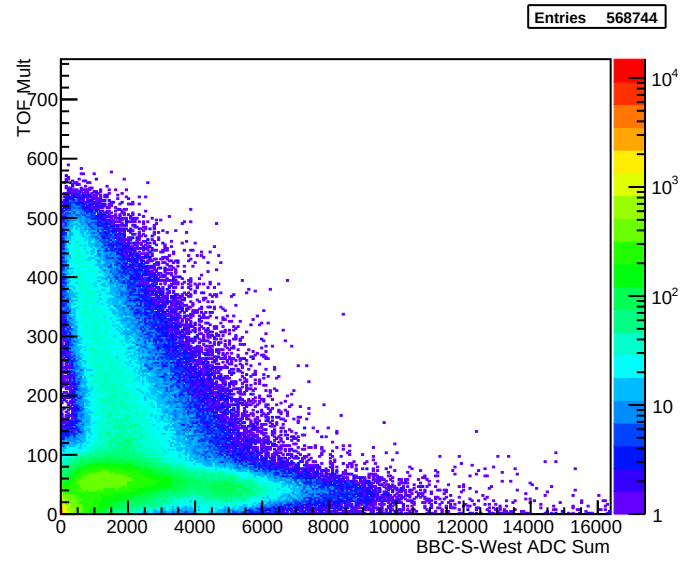

VT201 Input Ch4: VPD Tac Diff
Entries 568744
Tac

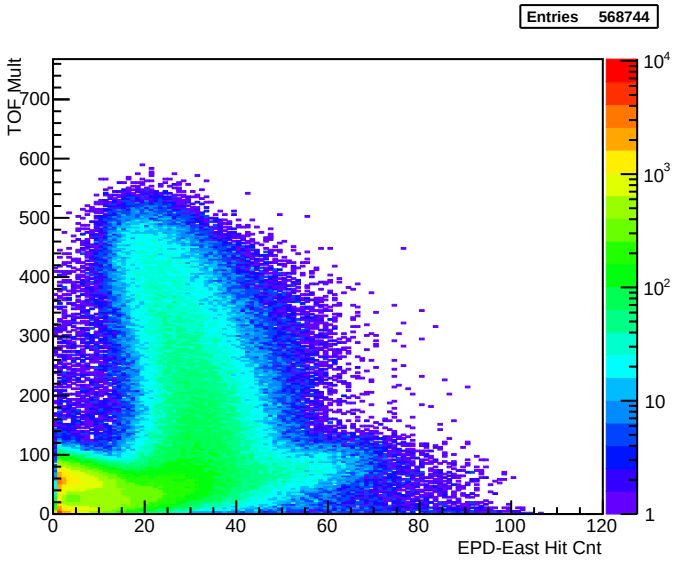

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

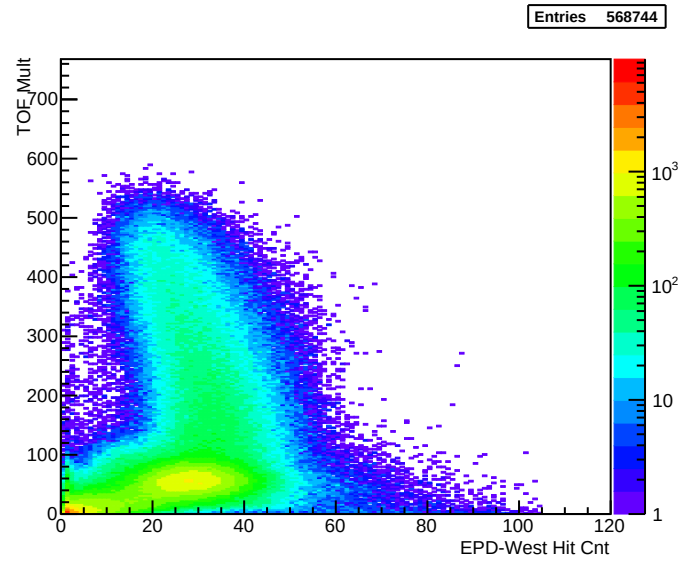

VT201 Input Ch4: VPD Adc Sum Th
Entries 1137488
306819
470137
261925
98607
East
West

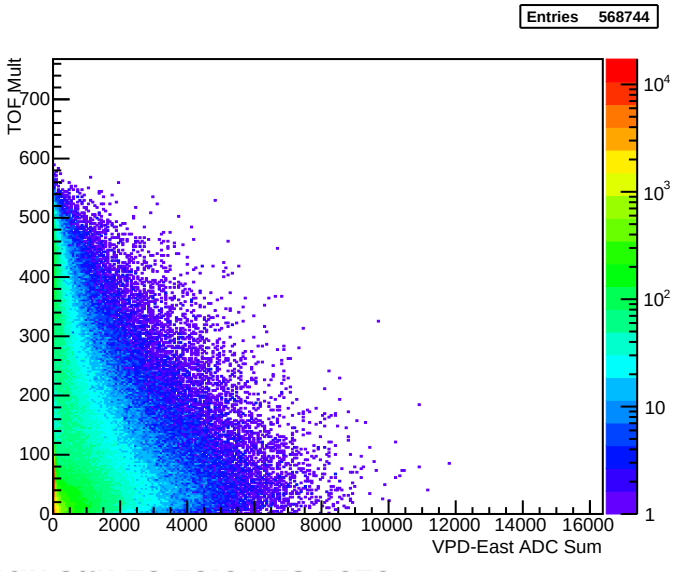

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

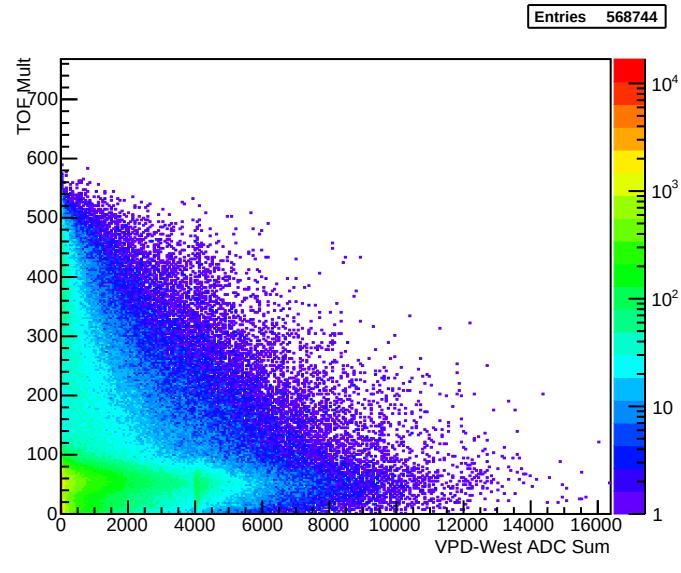

Entries 568744
TOF_Mult
BBC-S-East ADC Sum

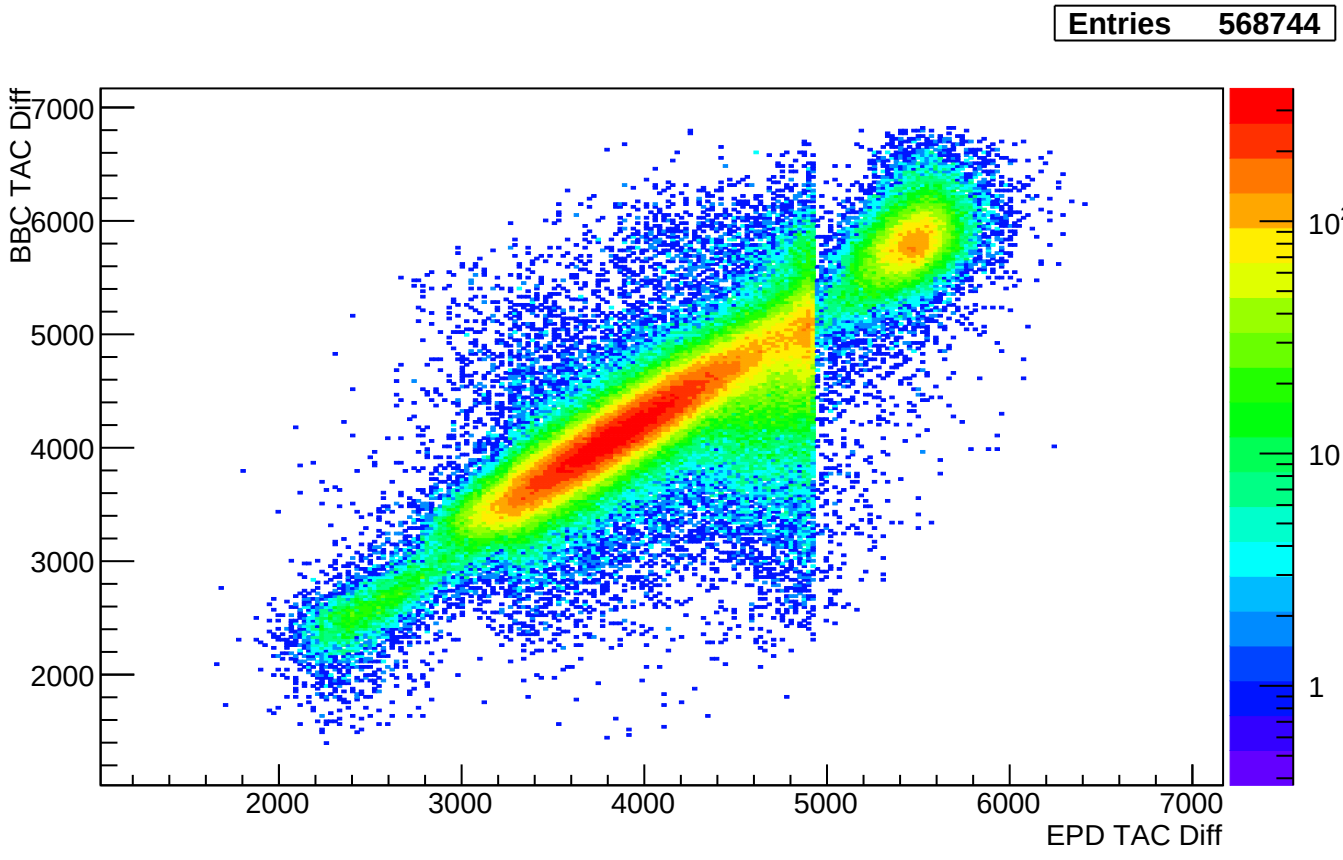

Entries 568744
TOF_Mult
BBC-S-West ADC Sum

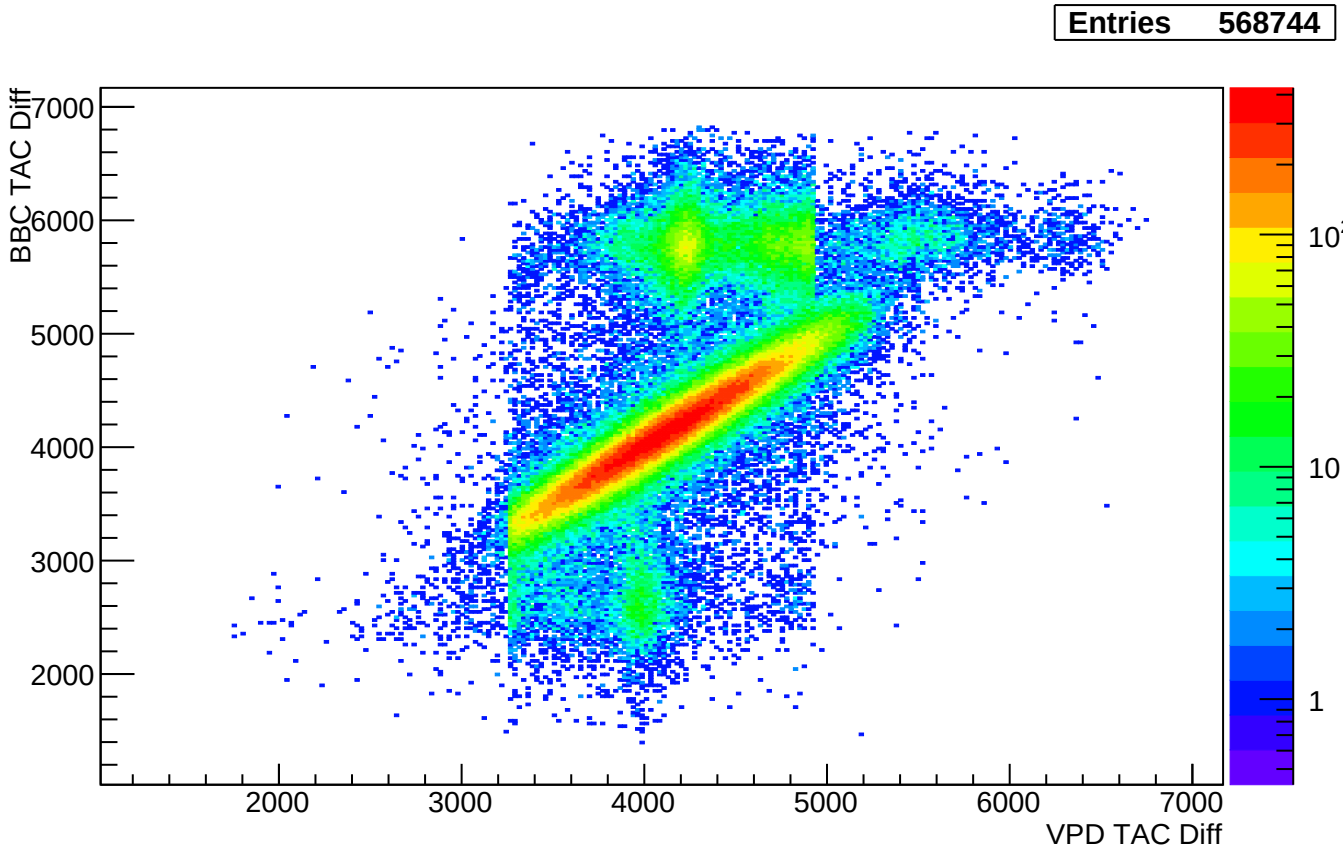

Entries 568744
TOF_Mult
EPD-East Hit Cnt

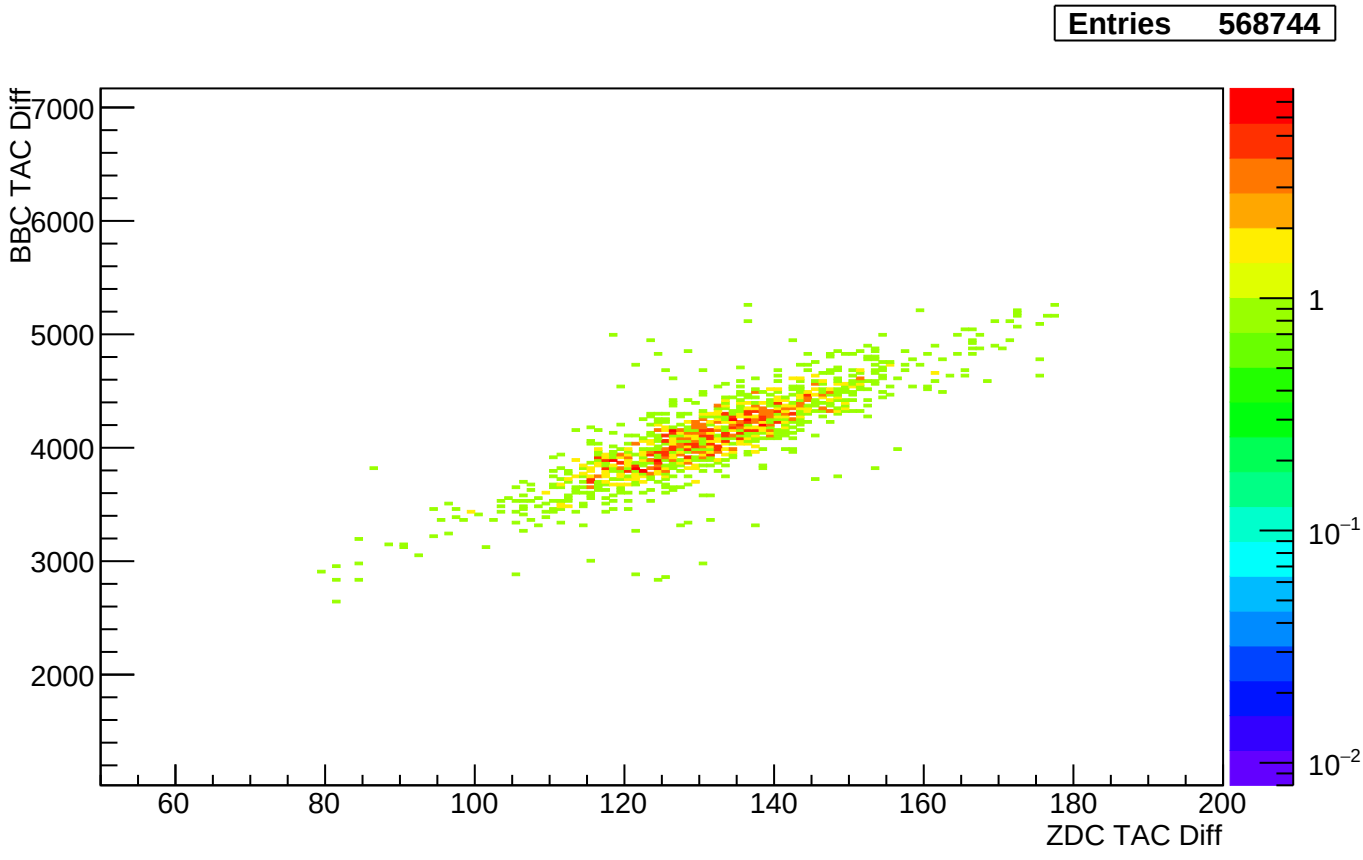

Entries 568744
TOF_Mult
EPD-West Hit Cnt

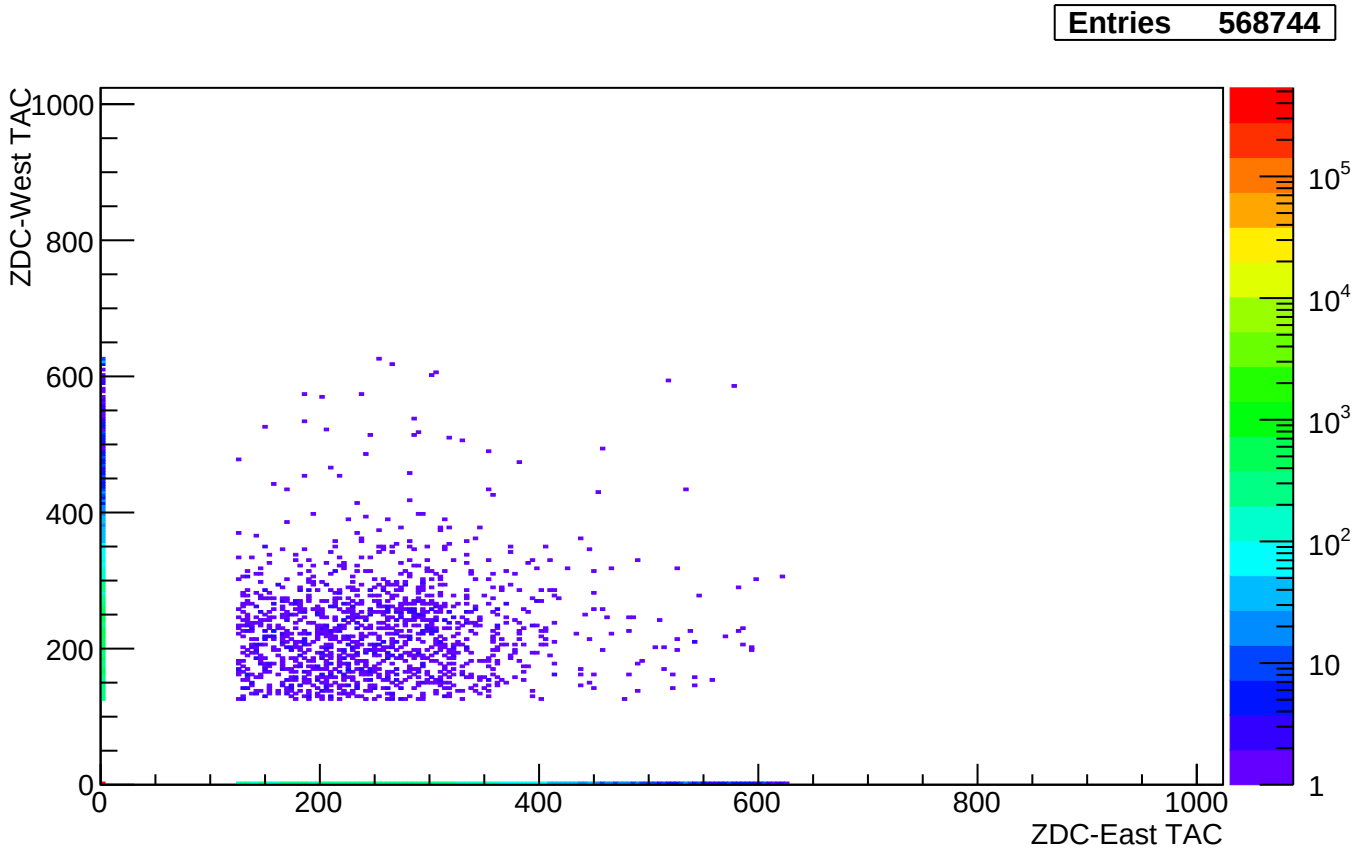

Entries 568744
TOF_Mult
VPD-East ADC Sum

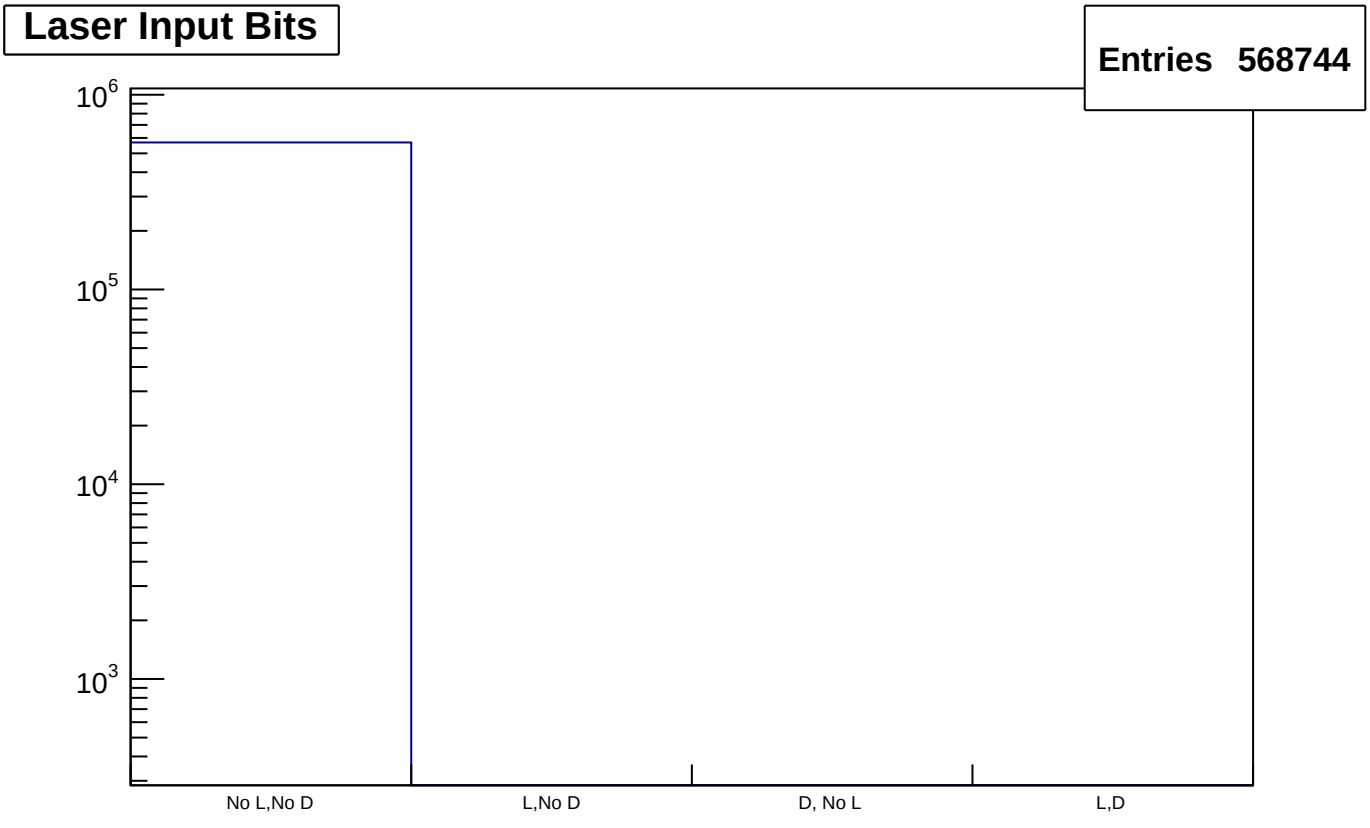

Entries 568744
TOF_Mult
VPD-West ADC Sum

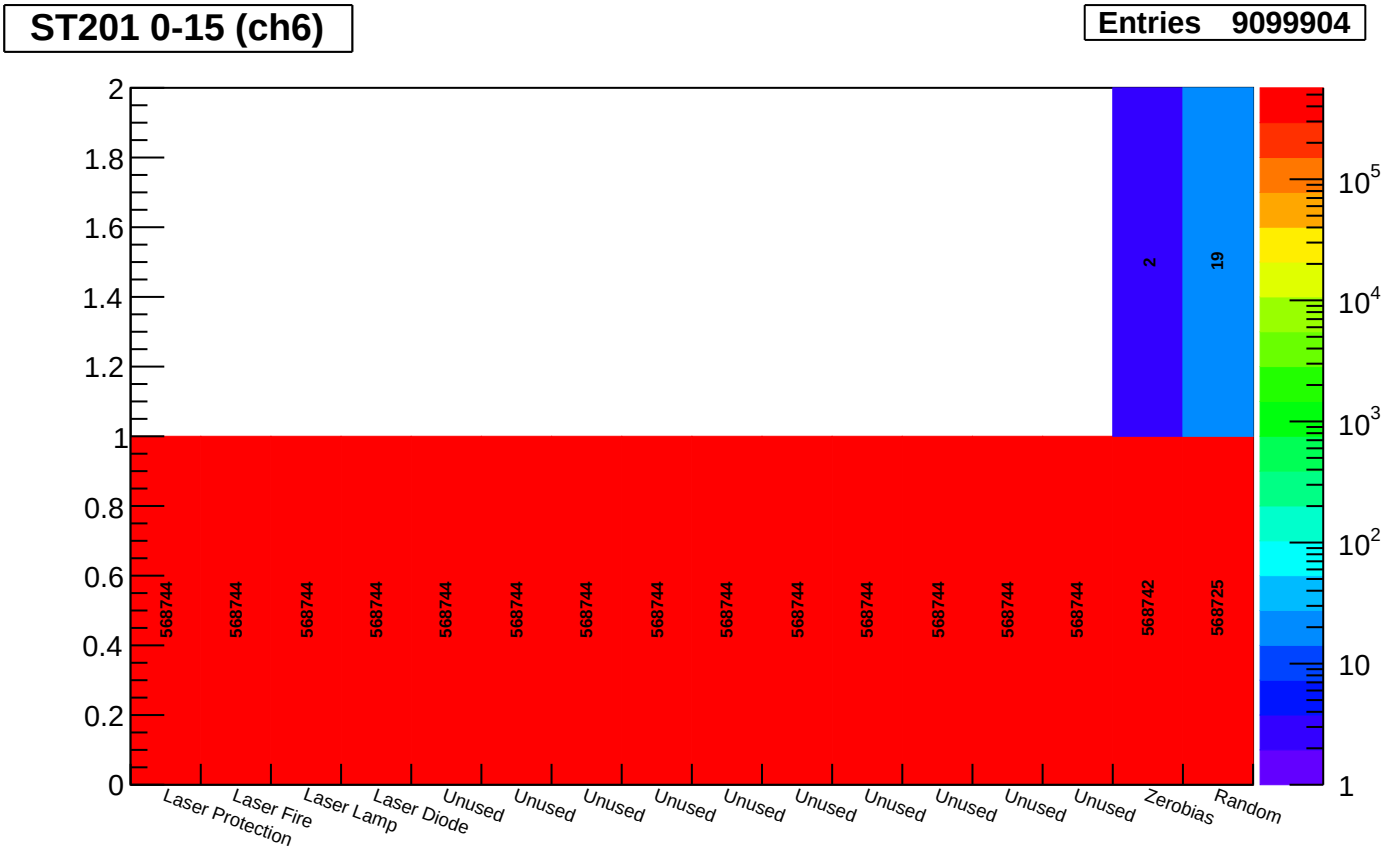

Entries 568744
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
$10^2$
10
1

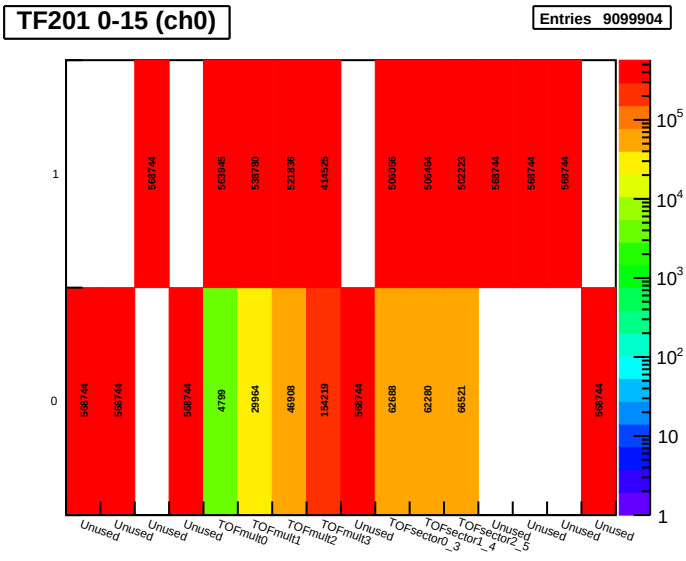

Entries 568744
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
$10^2$
10
1

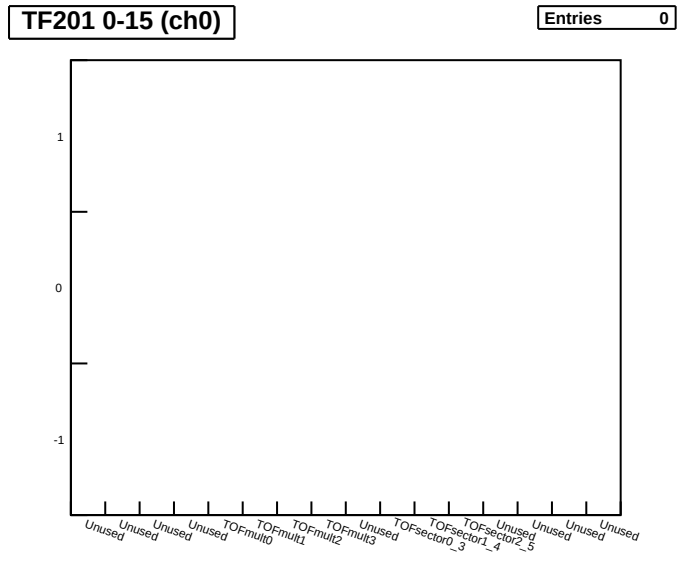

Entries 568744
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
$10^{-1}$
$10^{-2}$

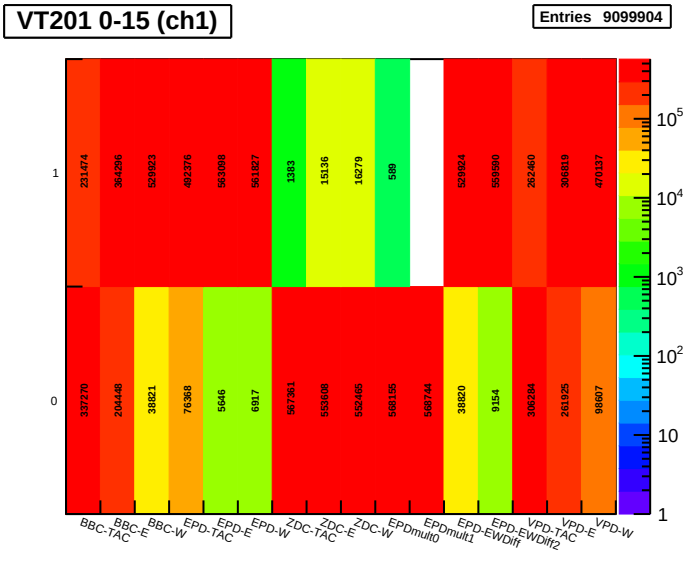

Entries 568744
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

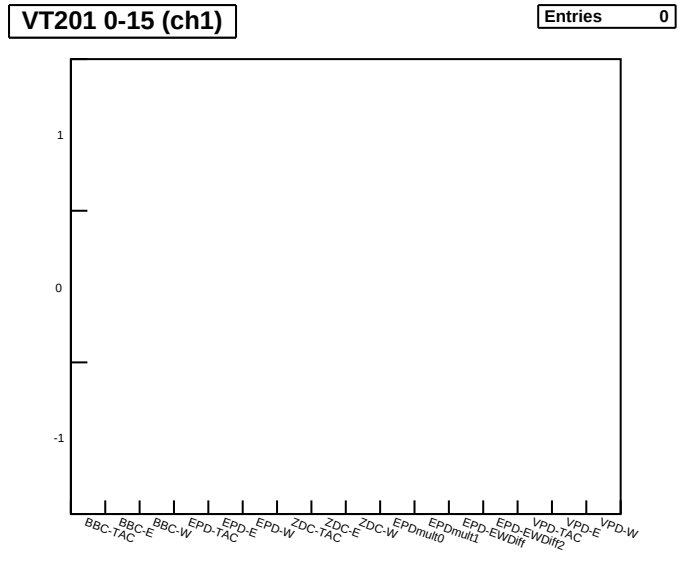

Laser Input Bits
Entries 568744
$10^6$
$10^5$
$10^4$
$10^3$
No L,No D
L,No D
D, No L
L,D

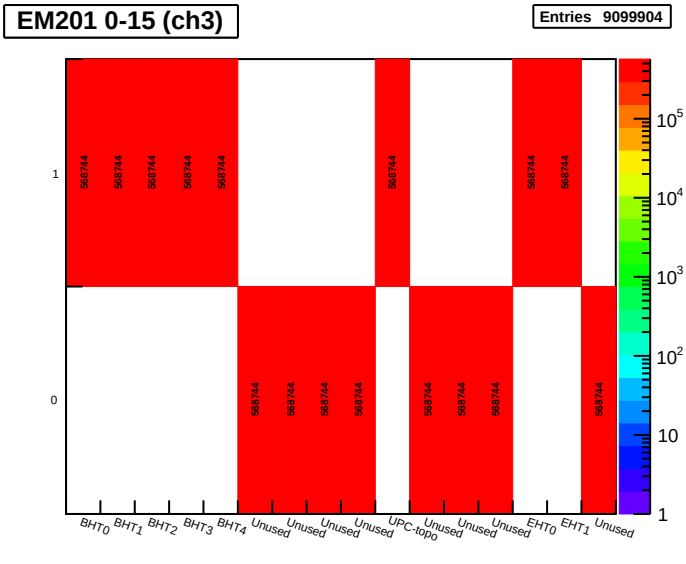

ST201 0-15 (ch6)
Entries 9099904
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
568744
568744
568744
568744
568744
568744
568744
568744
568744
568744
568744
568744
568744
568744
568742
568725
2
19
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

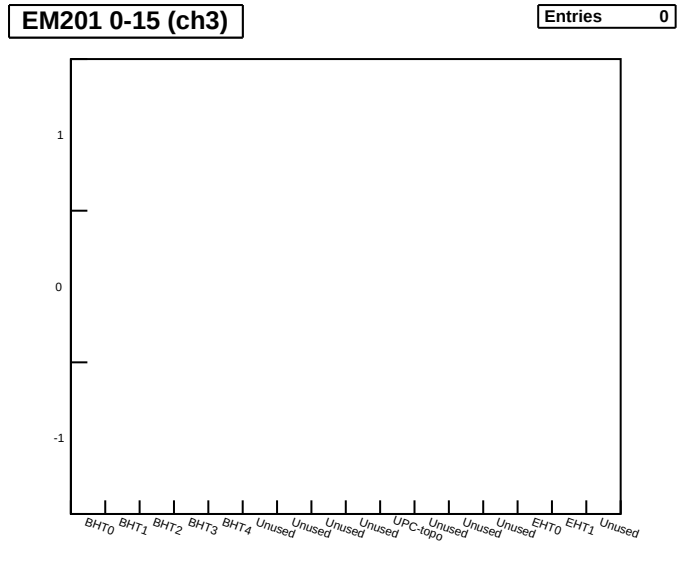

TF201 0-15 (ch0)
Entries 9099904
1
0
568744
563945
538780
521836
414525
506056
506464
502223
568744
568744
568744
568744
568744
4799
29964
46908
154219
62688
62280
66521
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 9099904
1
0
231474
364296
529923
492376
563098
561827
1383
15136
16279
589
529924
559590
262460
306819
470137
337270
204448
38821
76368
5646
6917
567361
553608
552465
568155
568744
38820
9154
306284
261925
98607
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 9099904
1
0
568744
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1