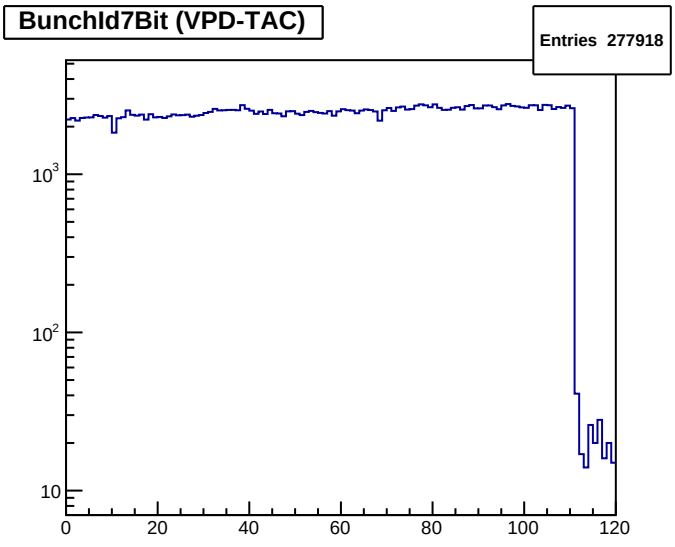
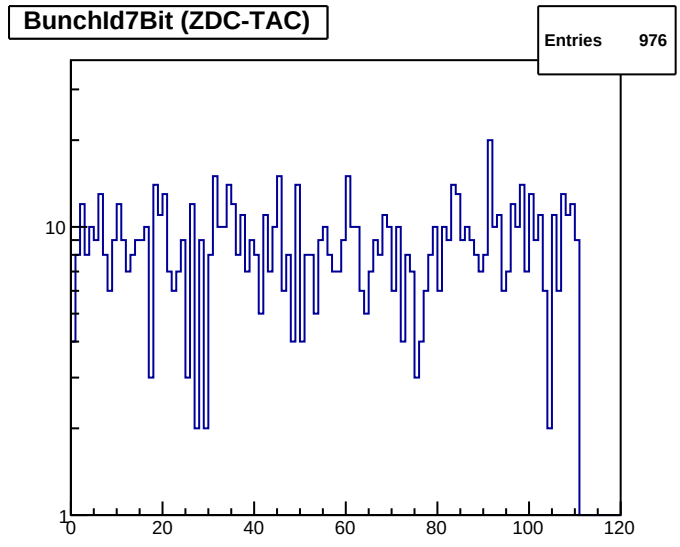
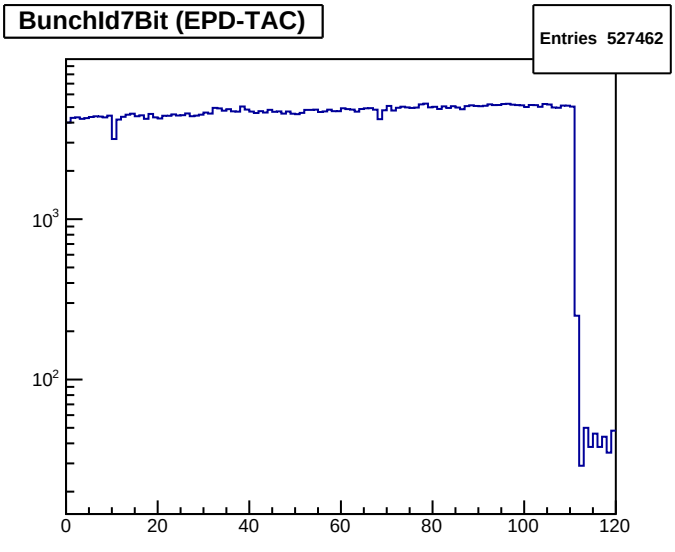
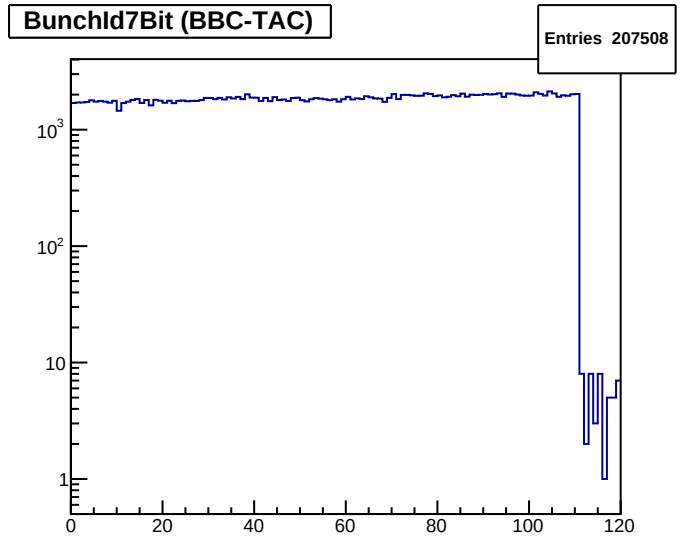
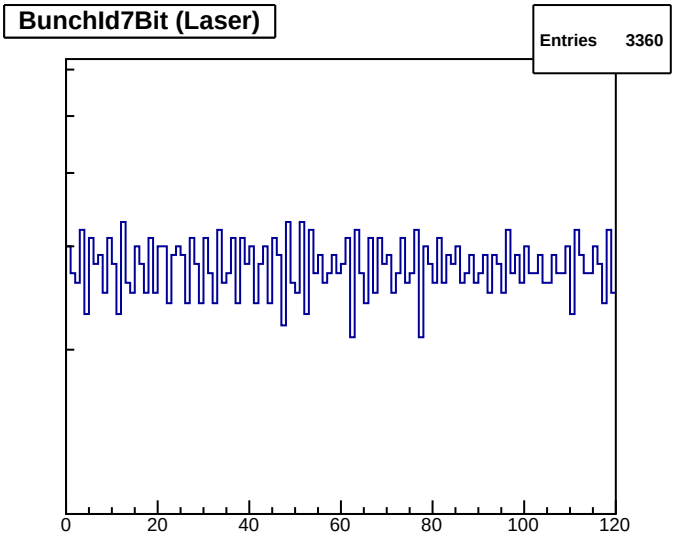
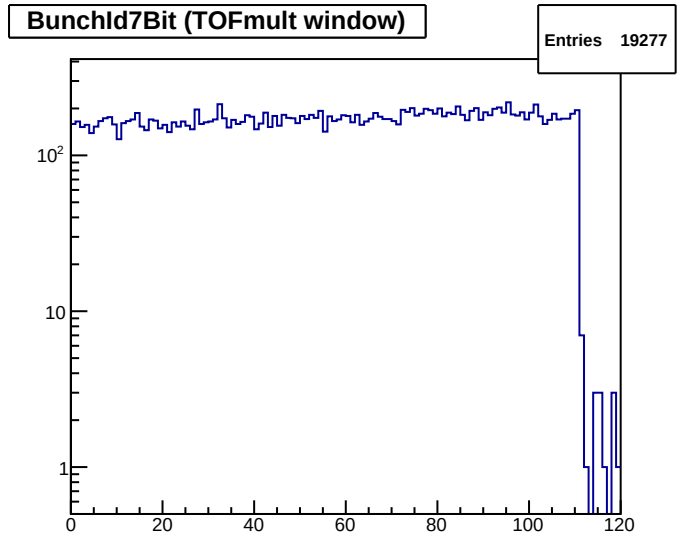

BunchId7Bit (VPD-TAC)
Entries 277918
$10^3$
$10^2$
10
0
20
40
60
80
100
120

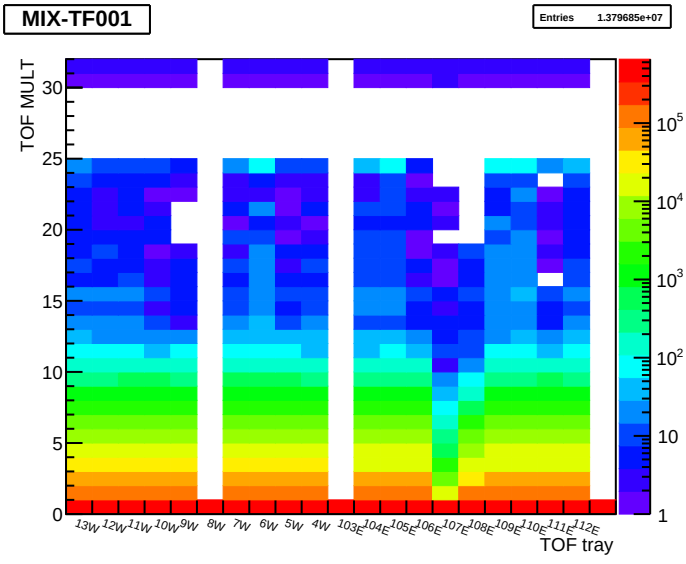

BunchId7Bit (ZDC-TAC)
Entries 976
10
1
0
20
40
60
80
100
120

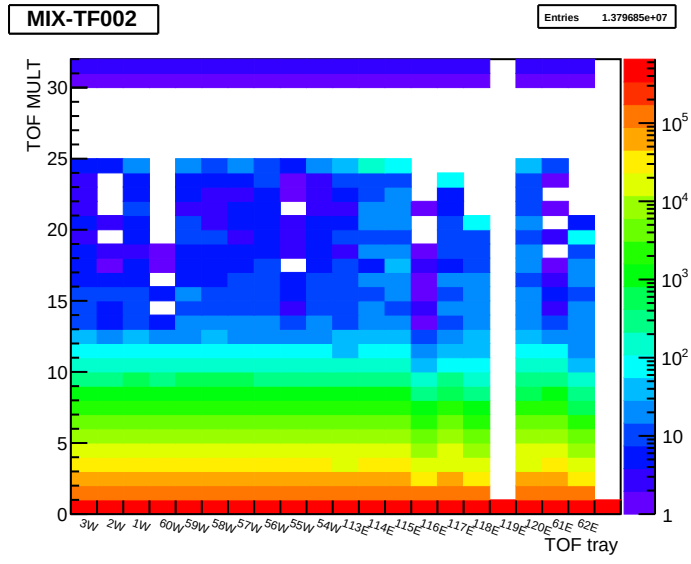

BunchId7Bit (EPD-TAC)
Entries 527462
$10^3$
$10^2$
0
20
40
60
80
100
120

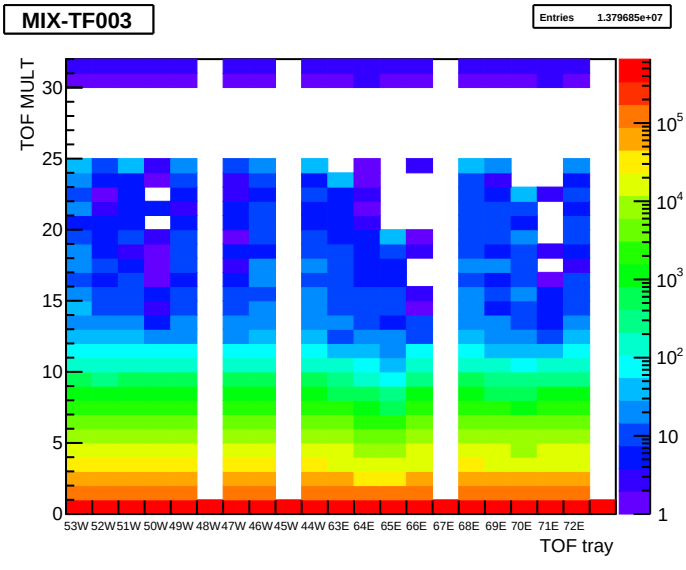

BunchId7Bit (BBC-TAC)
Entries 207508
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

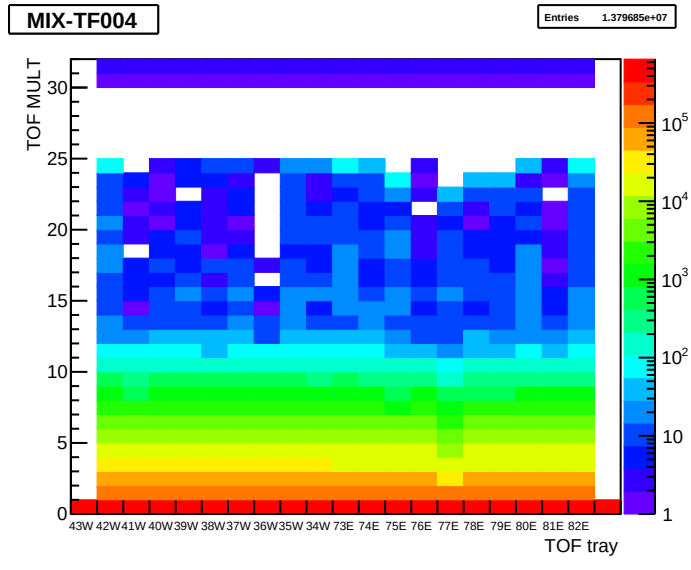

BunchId7Bit (Laser)
Entries 3360
0
20
40
60
80
100
120

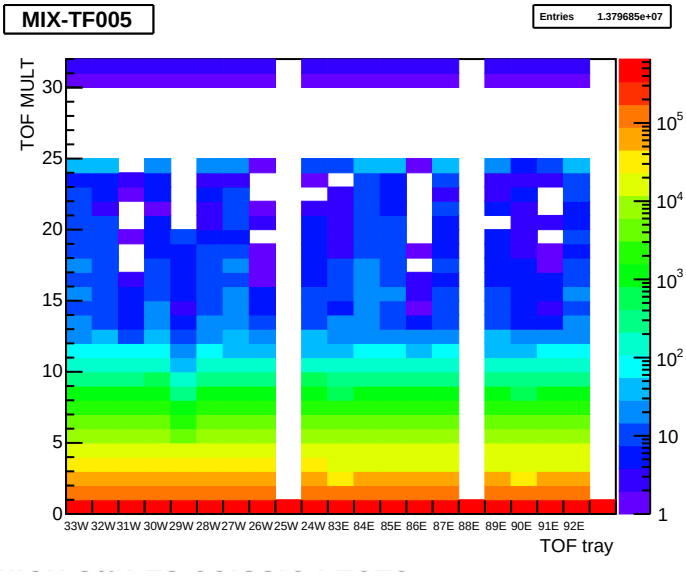

BunchId7Bit (TOFmult window)
Entries 19277
$10^2$
10
1
0
20
40
60
80
100
120

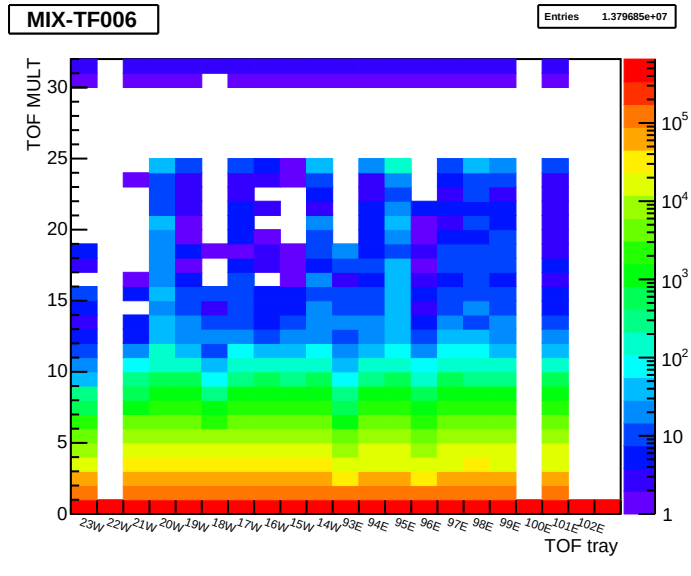

MIX-TF001
Entries 1.379685e+07
TOF MULT
TOF tray

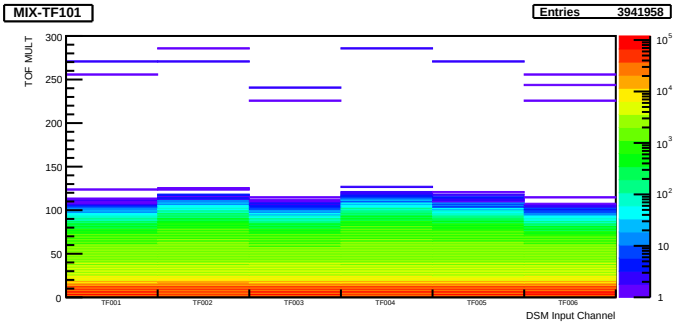

MIX-TF002
Entries 1.379685e+07
TOF MULT
TOF tray

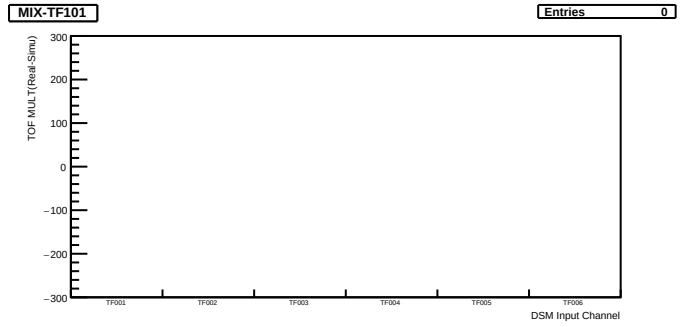

MIX-TF003
Entries 1.379685e+07
TOF MULT
TOF tray

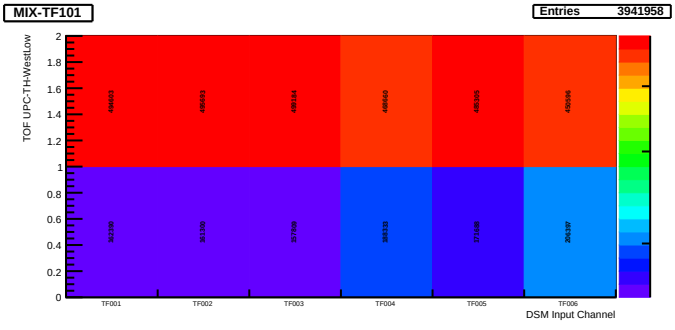

MIX-TF004
Entries 1.379685e+07
TOF MULT
TOF tray

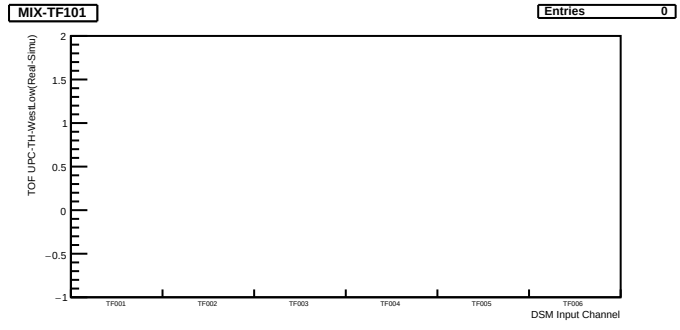

MIX-TF005
Entries 1.379685e+07
TOF MULT
TOF tray

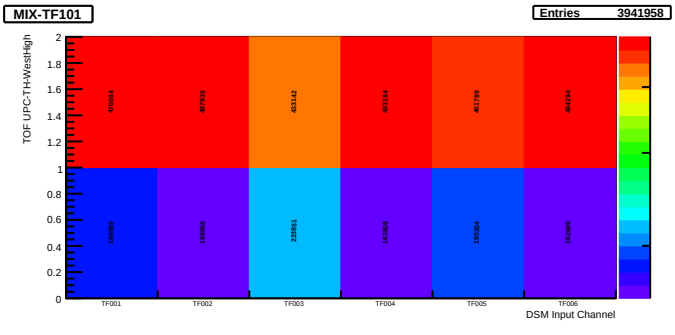

MIX-TF006
Entries 1.379685e+07
TOF MULT
TOF tray

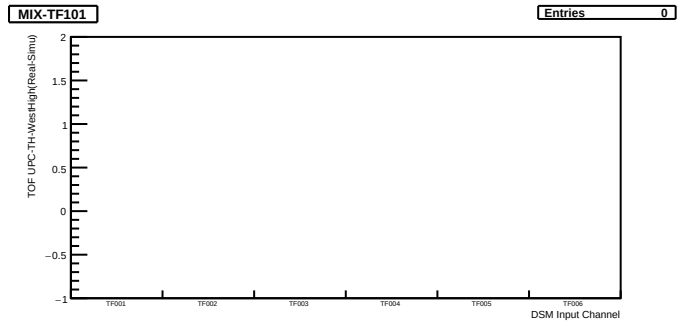

MIX-TF101
Entries 3941958
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

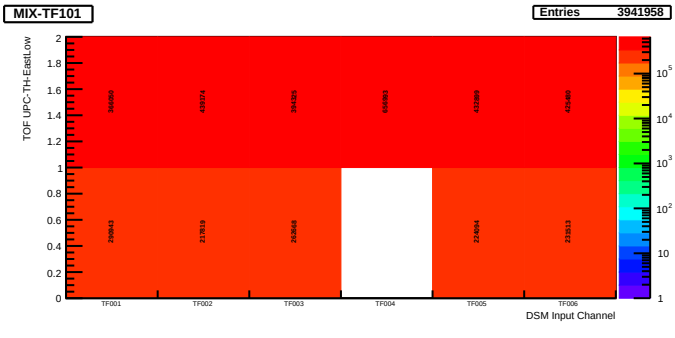

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

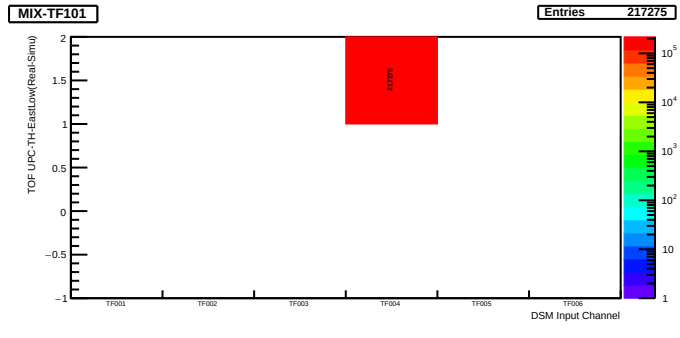

MIX-TF101
Entries 3941958
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

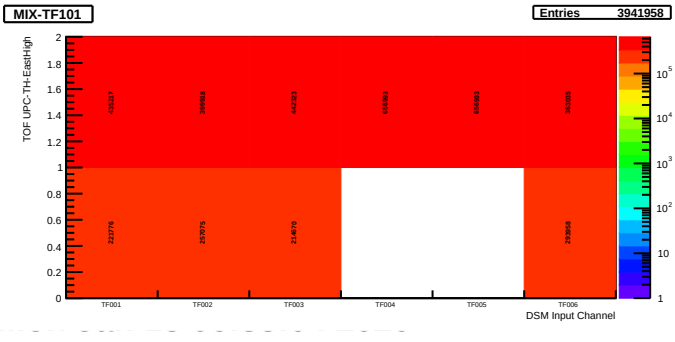

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

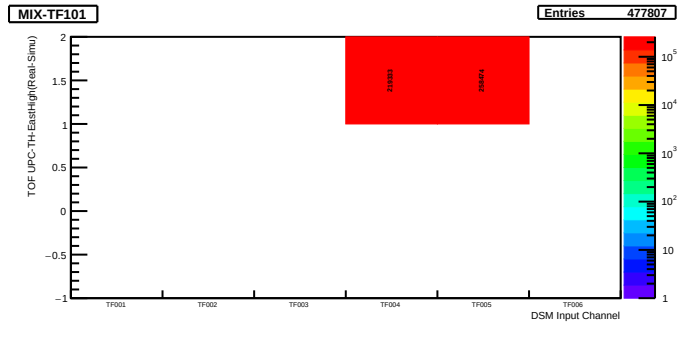

MIX-TF101
Entries 3941958
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

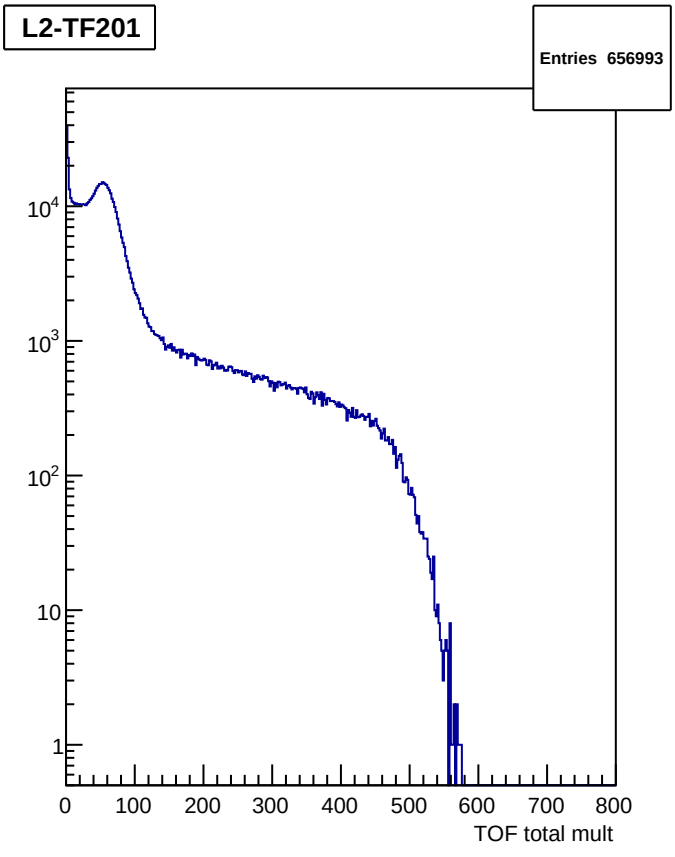

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

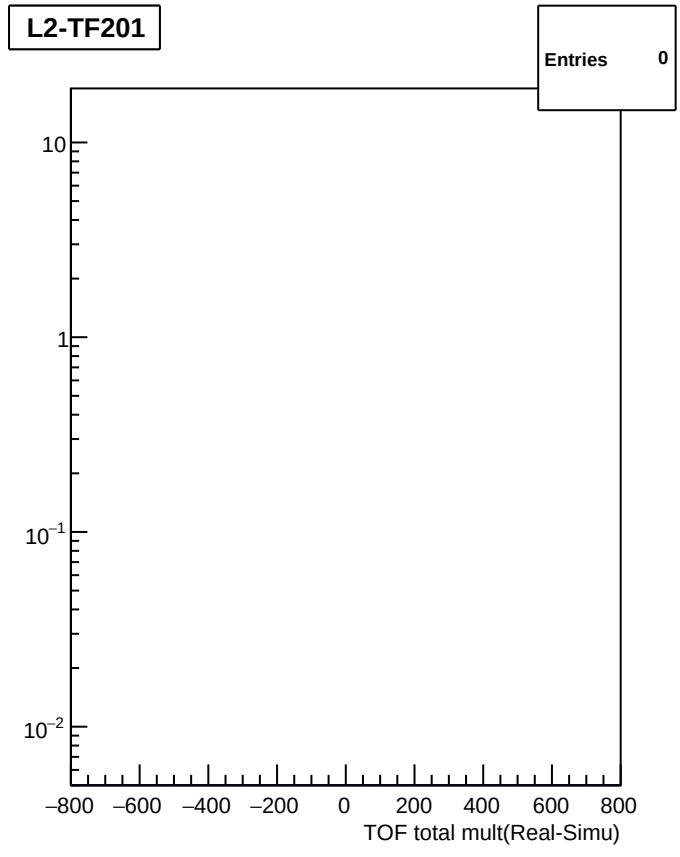

MIX-TF101
Entries 3941958
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

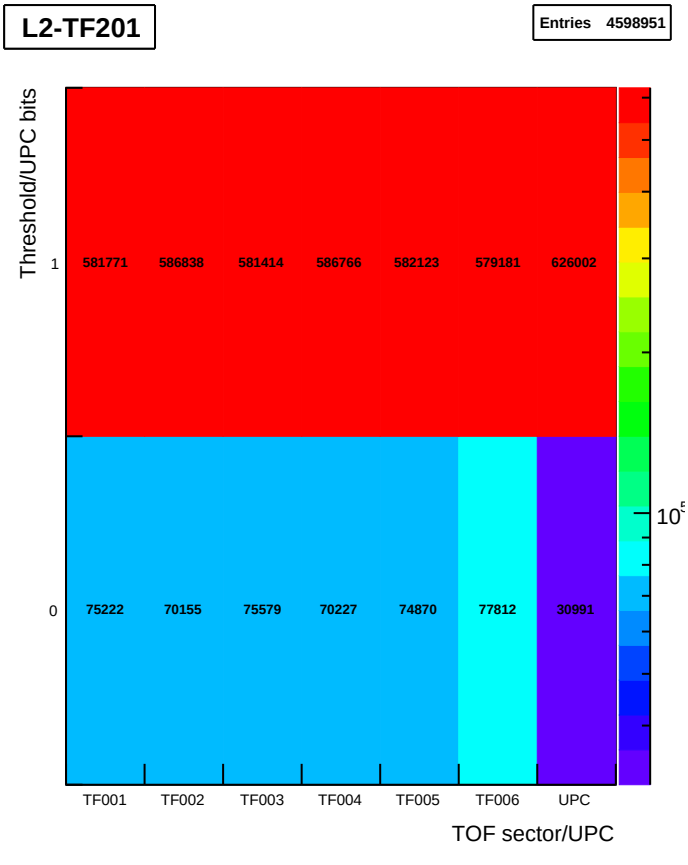

MIX-TF101
Entries 217275
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

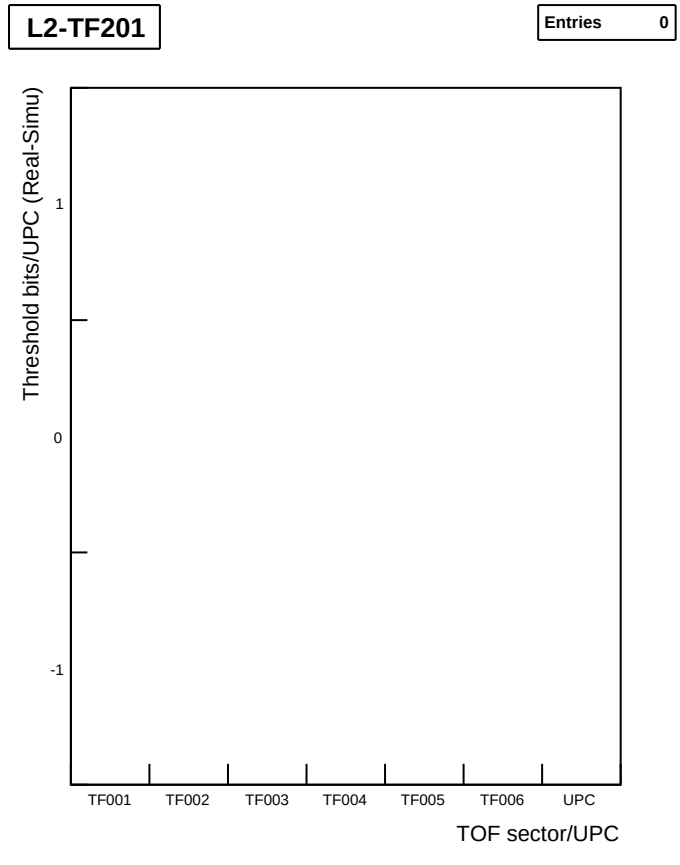

MIX-TF101
Entries 3941958
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

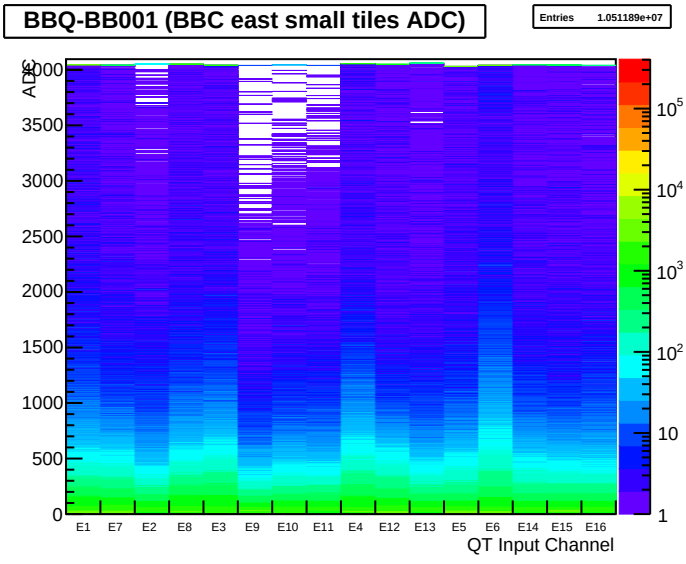

MIX-TF101
Entries 477807
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

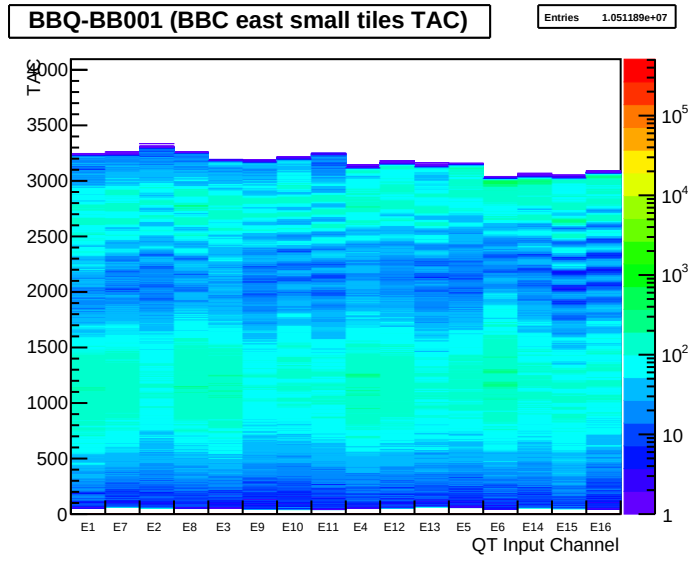

L2-TF201
Entries 656993
TOF total mult

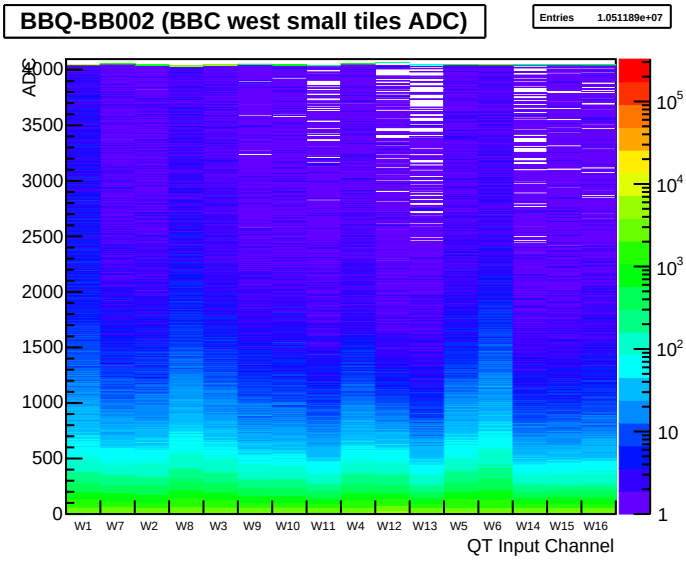

L2-TF201
Entries 0
TOF total mult(Real-Simu)

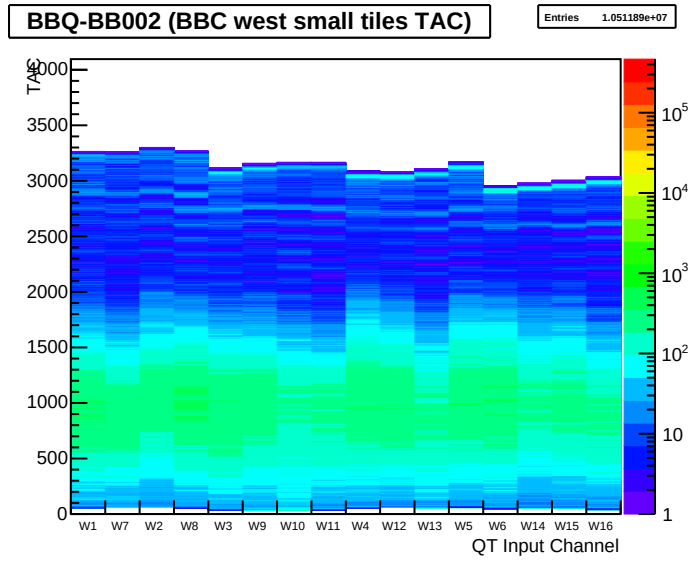

L2-TF201
Entries 4598951
Threshold/UPC bits
581771 586838 581414 586766 582123 579181 626002
75222 70155 75579 70227 74870 77812 30991
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

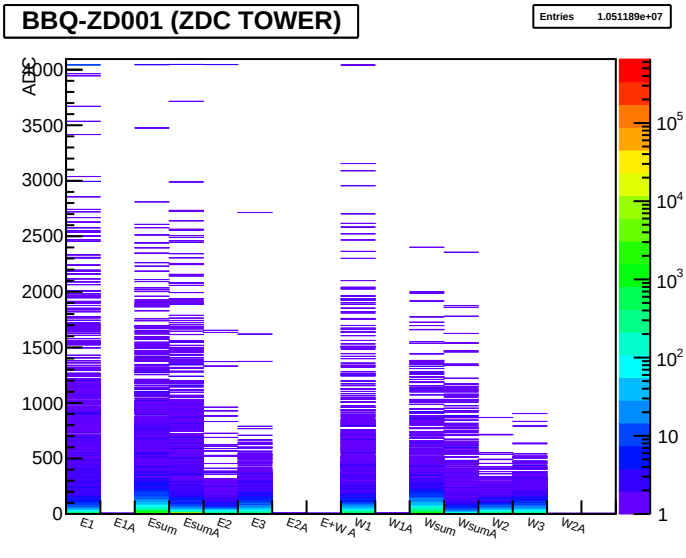

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

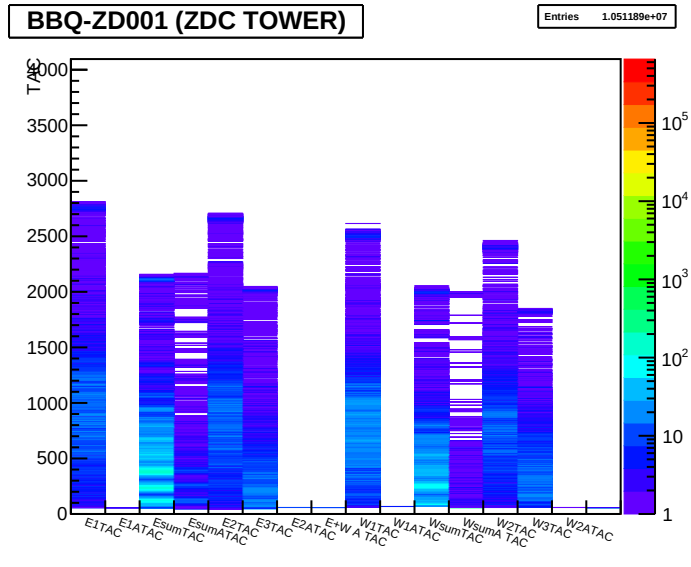

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.051189e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

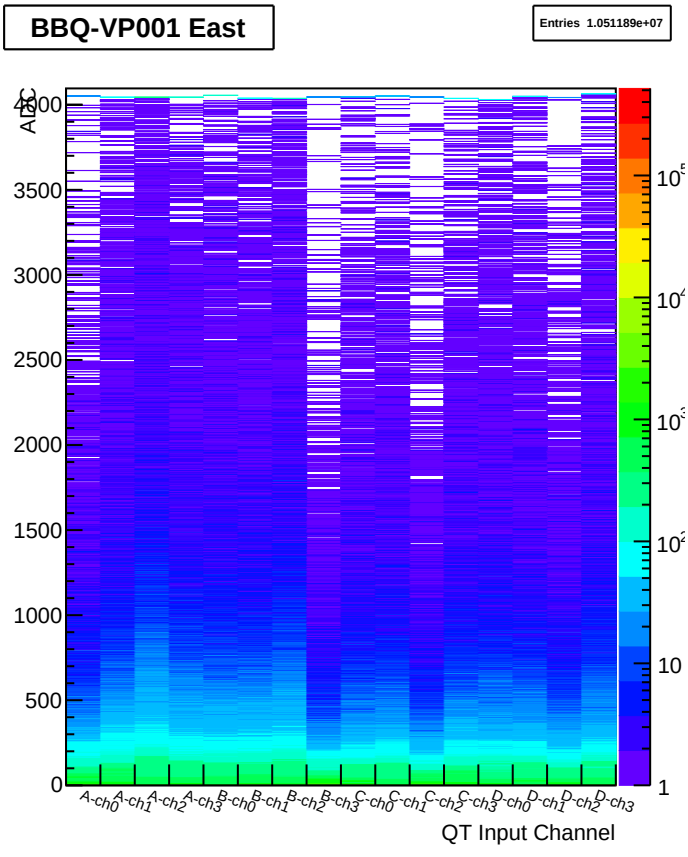

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.051189e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

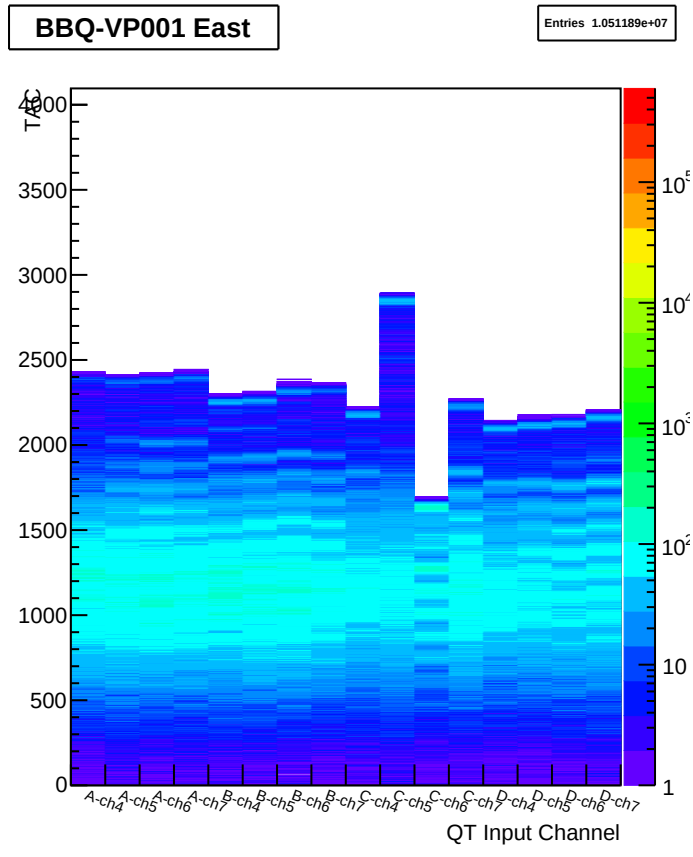

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.051189e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

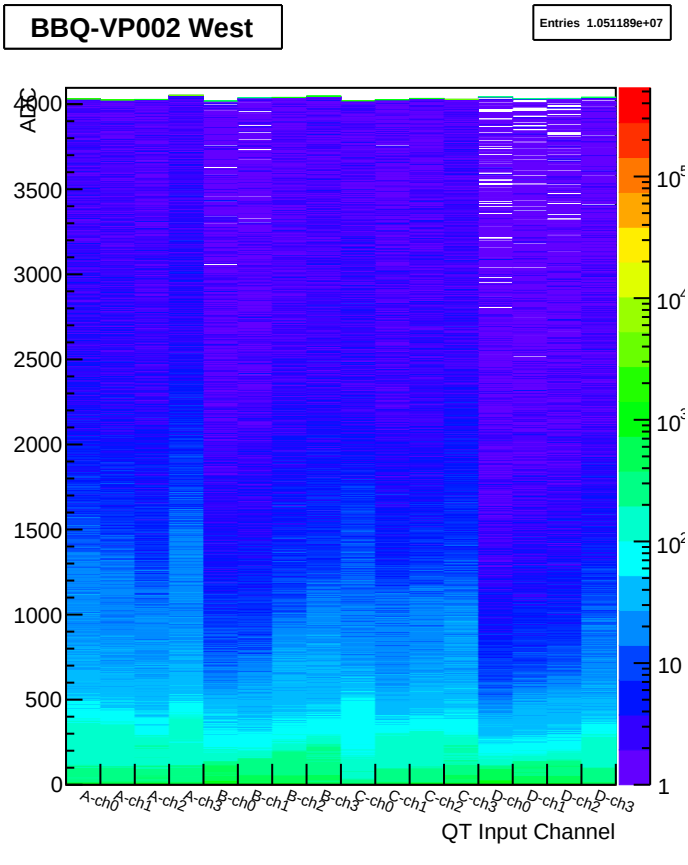

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.051189e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

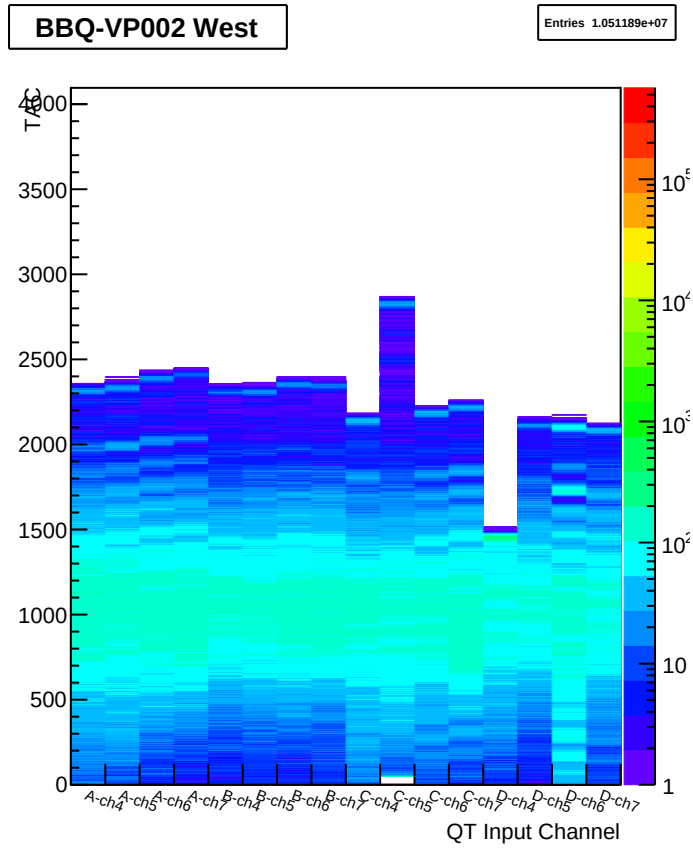

BBQ-ZD001 (ZDC TOWER)
Entries 1.051189e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

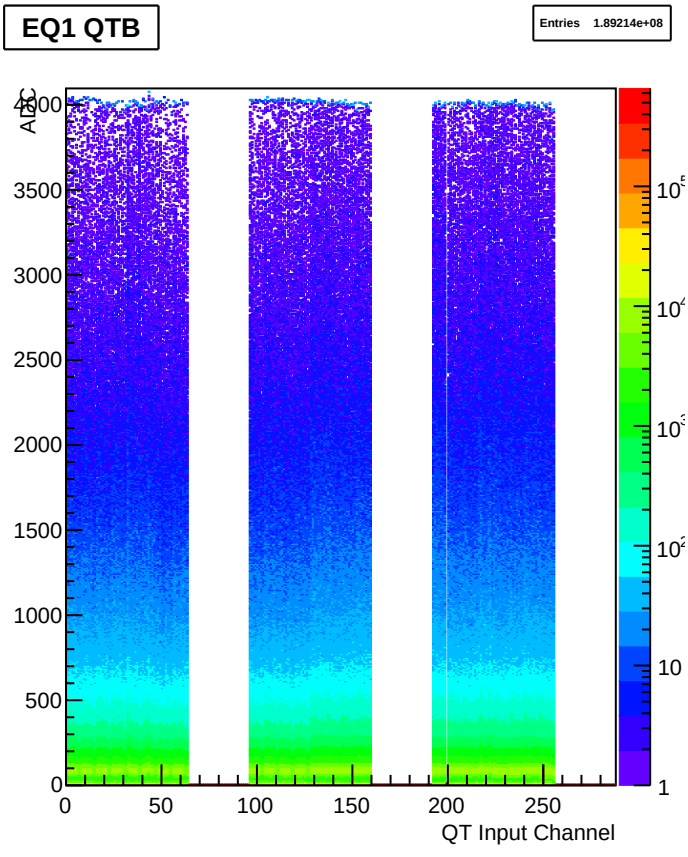

BBQ-ZD001 (ZDC TOWER)
Entries 1.051189e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

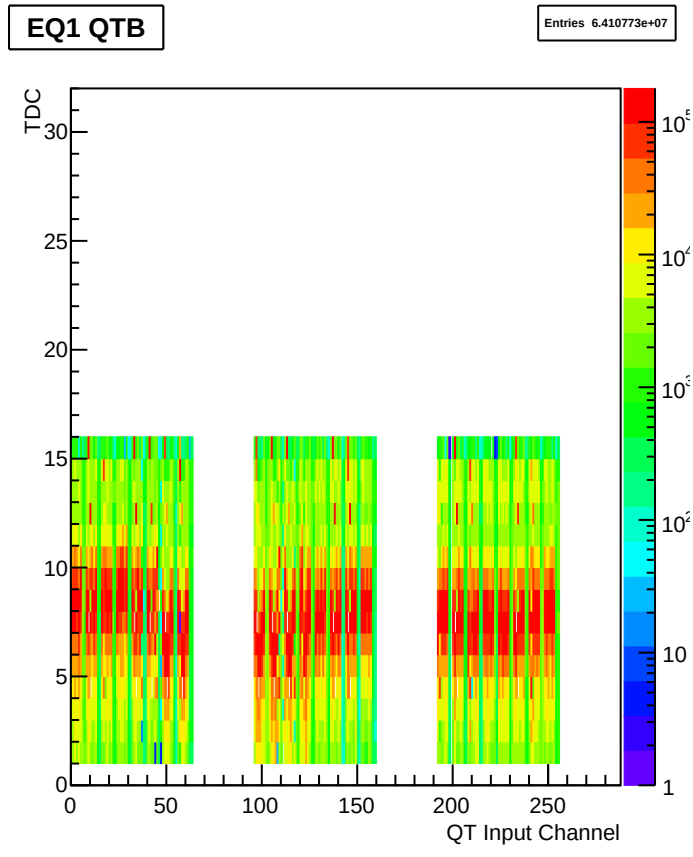

BBQ-VP001 East
Entries 1.051189e+07
ADC
QT Input Channel

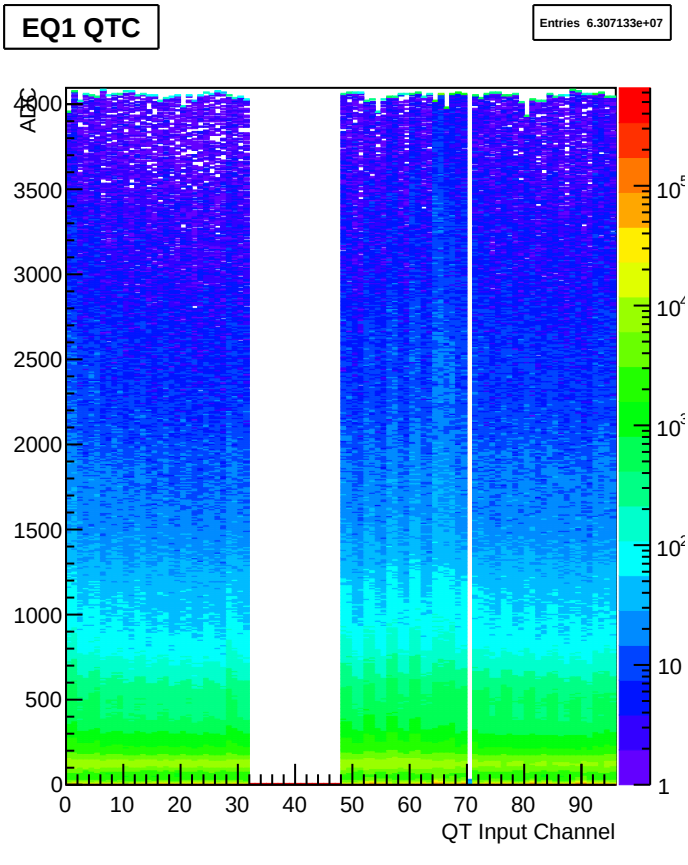

BBQ-VP001 East
Entries 1.051189e+07
TADC
QT Input Channel

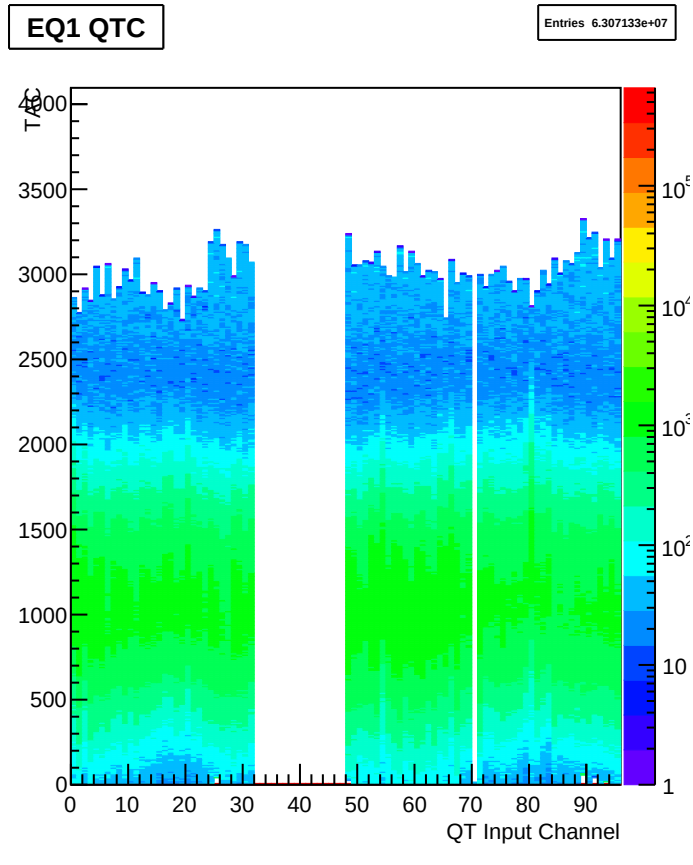

BBQ-VP002 West
Entries 1.051189e+07
ADC
QT Input Channel

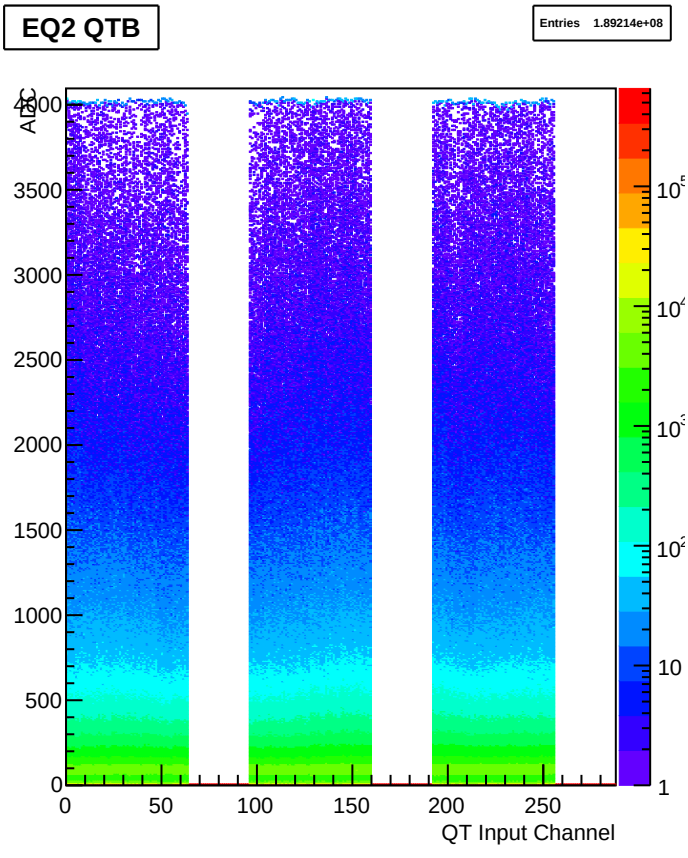

BBQ-VP002 West
Entries 1.051189e+07
TADC
QT Input Channel

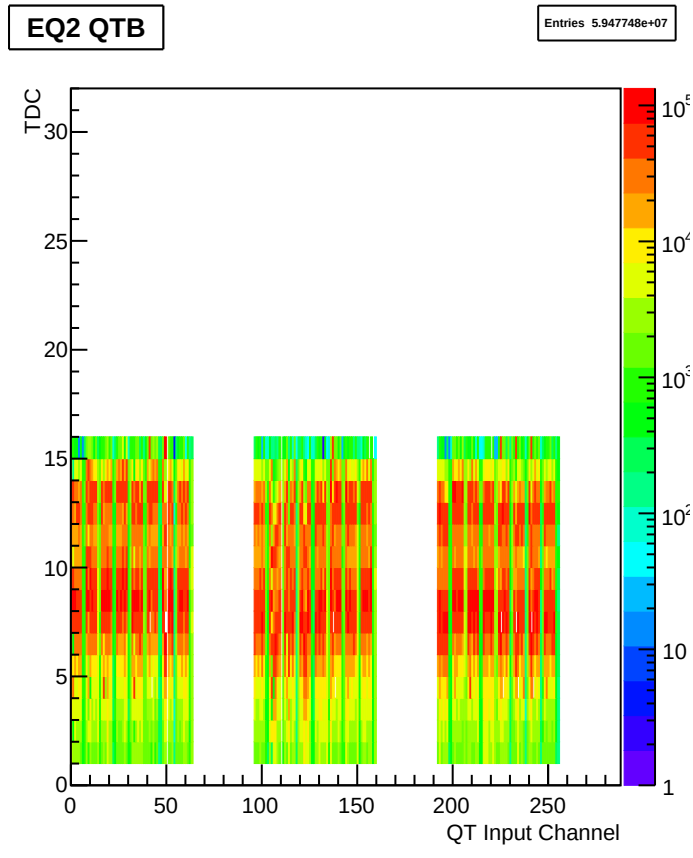

EQ1 QTB
Entries 1.89214e+08
ADC
QT Input Channel

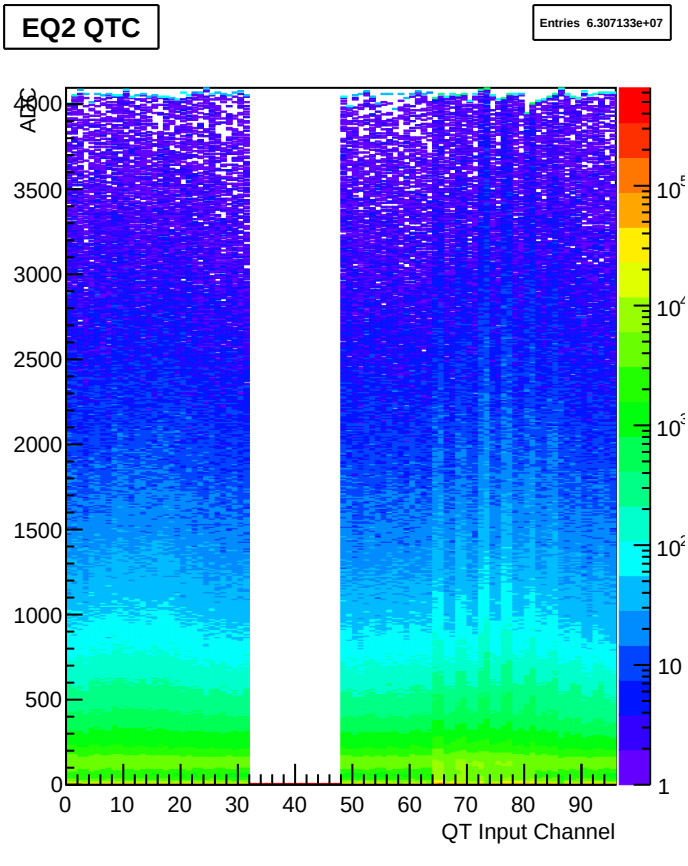

EQ1 QTB
Entries 6.410773e+07
TDC
QT Input Channel

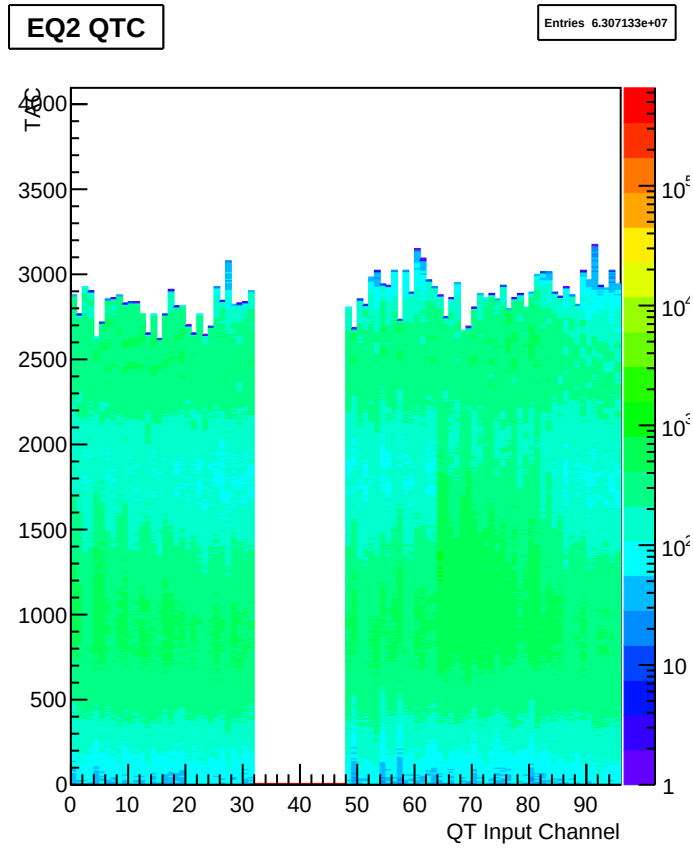

EQ1 QTC
Entries 6.307133e+07
ADC
QT Input Channel

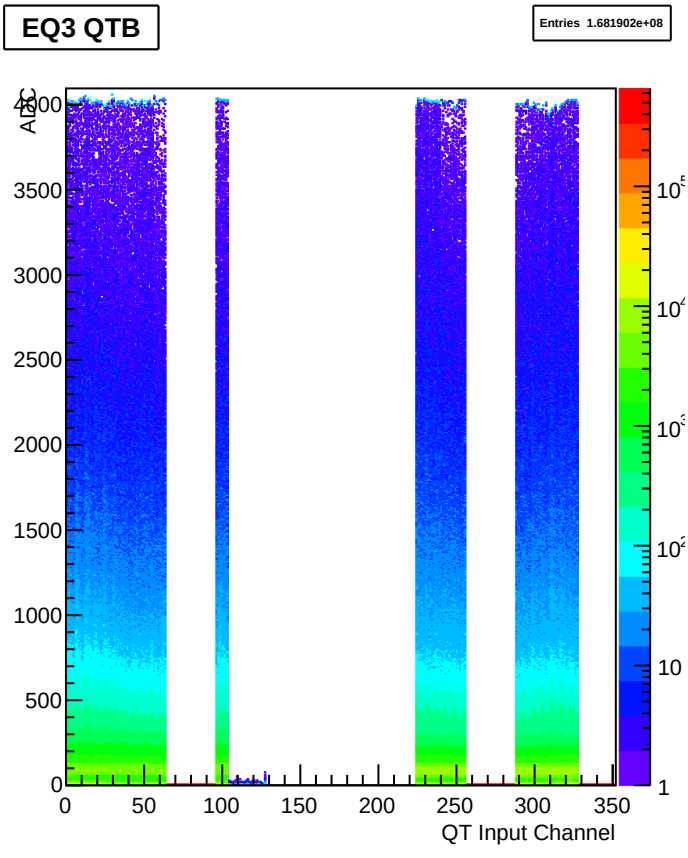

EQ1 QTC
Entries 6.307133e+07
TADC
QT Input Channel

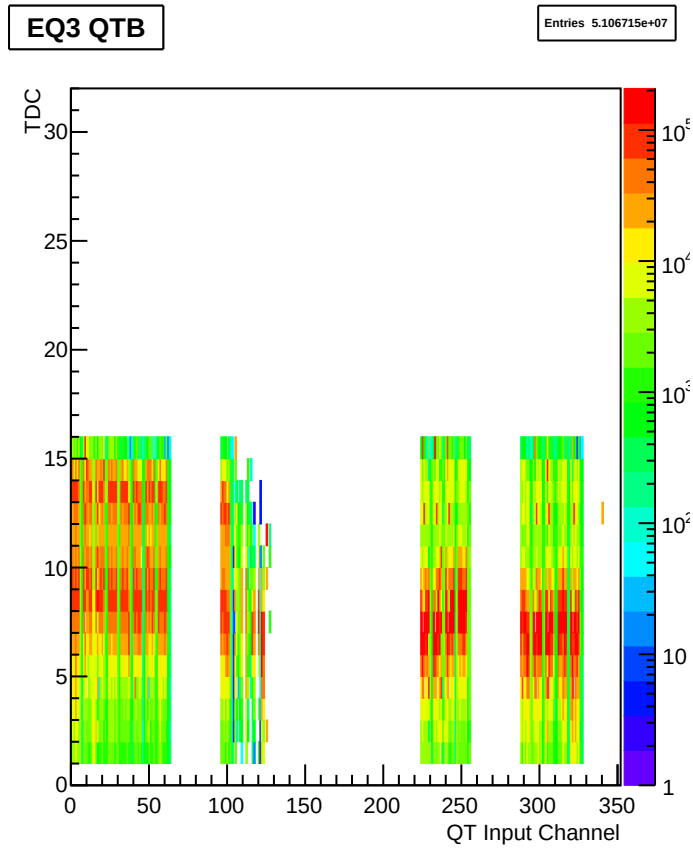

EQ2 QTB
Entries 1.89214e+08
ADC
QT Input Channel

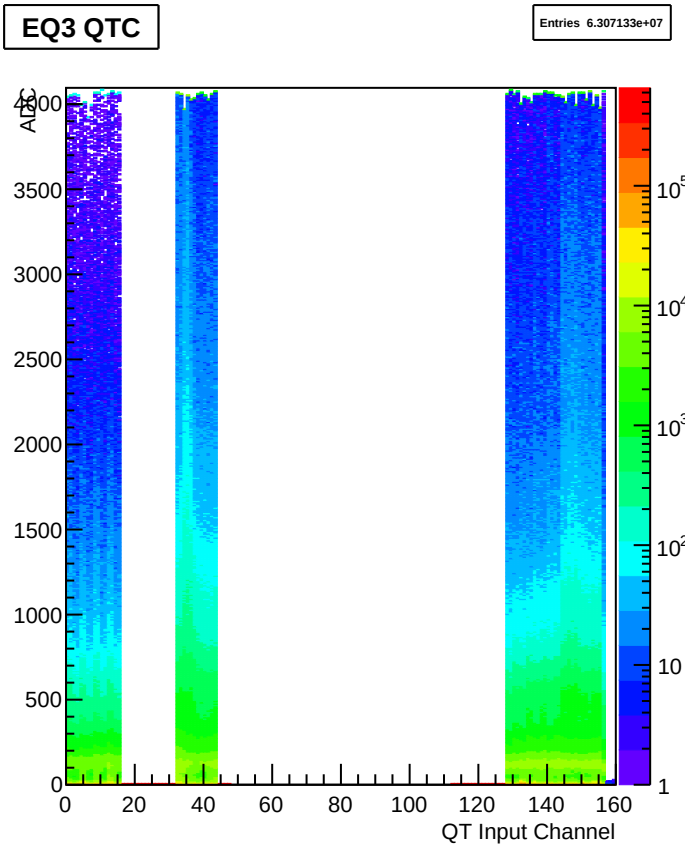

EQ2 QTB
Entries 5.947748e+07
TDC
QT Input Channel

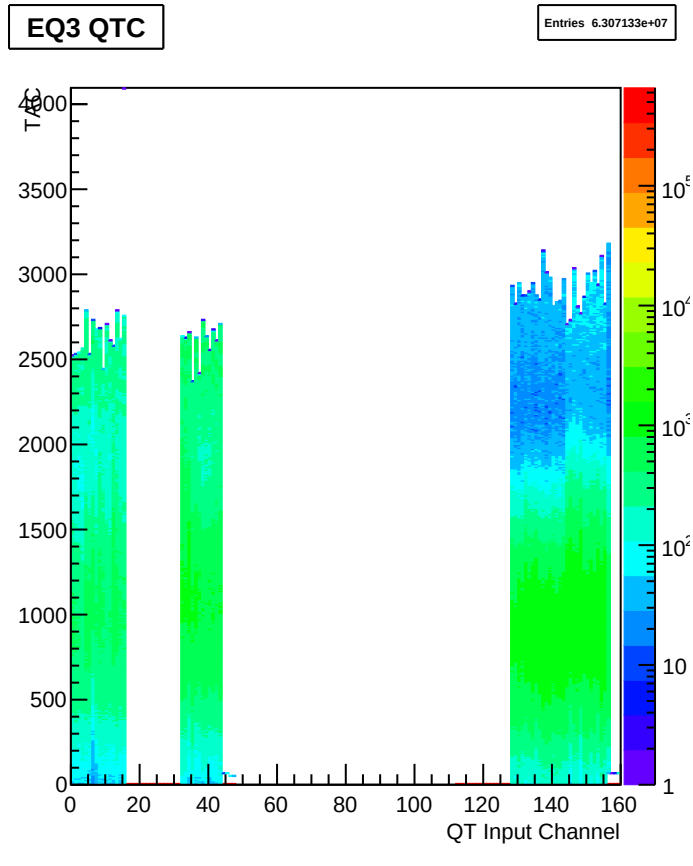

EQ2 QTC
Entries 6.307133e+07
ADC
QT Input Channel

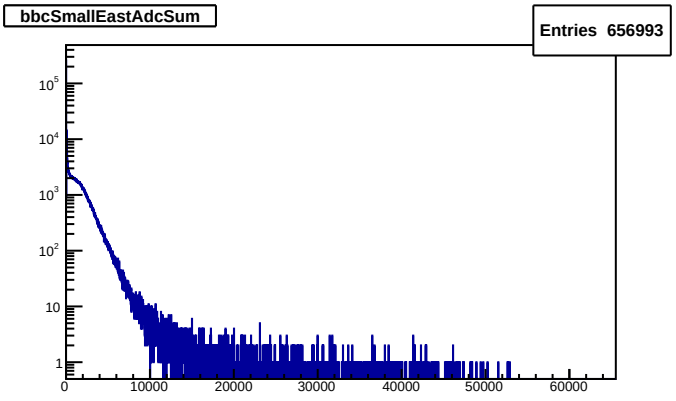

EQ2 QTC
Entries 6.307133e+07
TADC
QT Input Channel

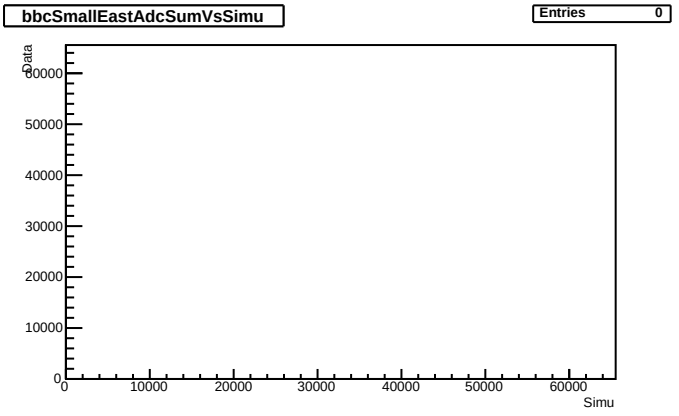

EQ3 QTB
Entries 1.681902e+08
ADC
QT Input Channel

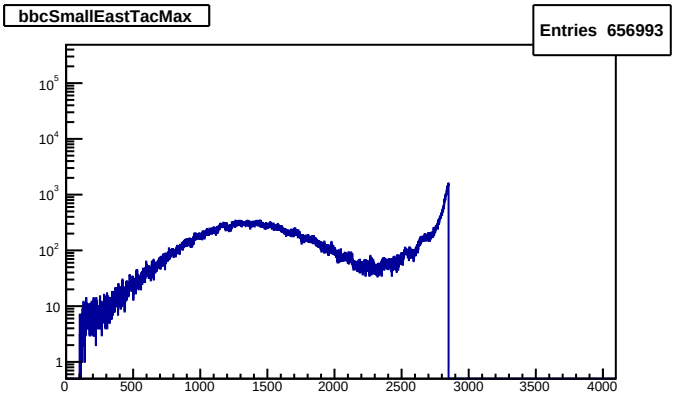

EQ3 QTB
Entries 5.106715e+07
TDC
QT Input Channel

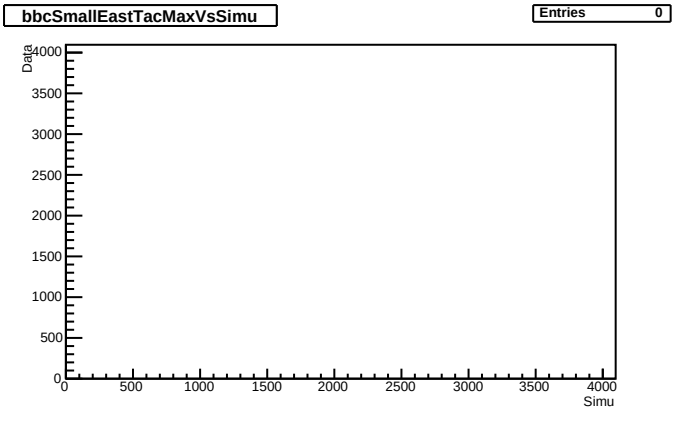

EQ3 QTC
Entries 6.307133e+07
ADC
QT Input Channel

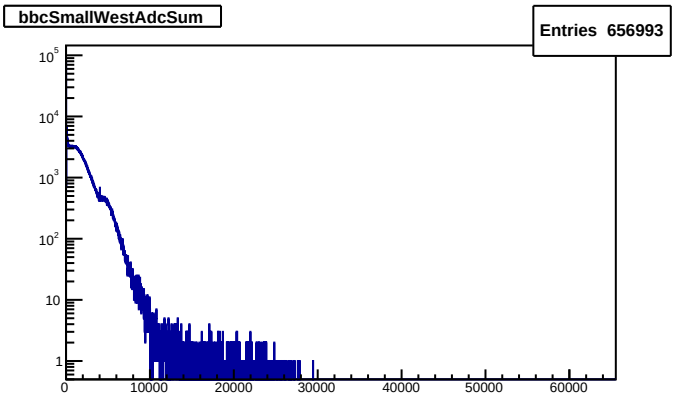

EQ3 QTC
Entries 6.307133e+07
TADC
QT Input Channel

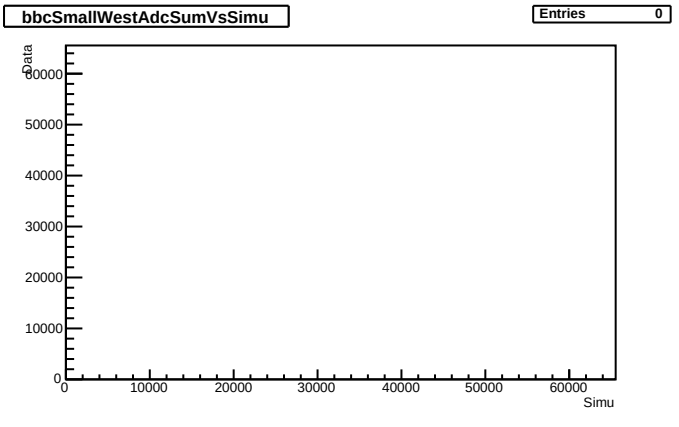

bbcSmallEastAdcSum
Entries 656993


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 656993


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 656993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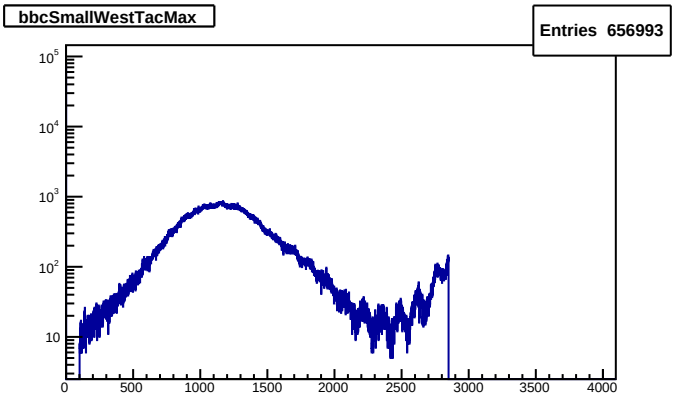
Entries 0
Data
Simu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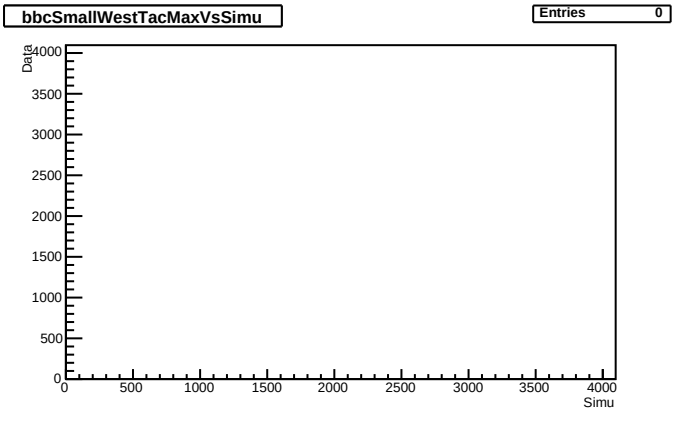
Entries 656993


bbcSmallWestTacMaxVsSimu
Entries 0
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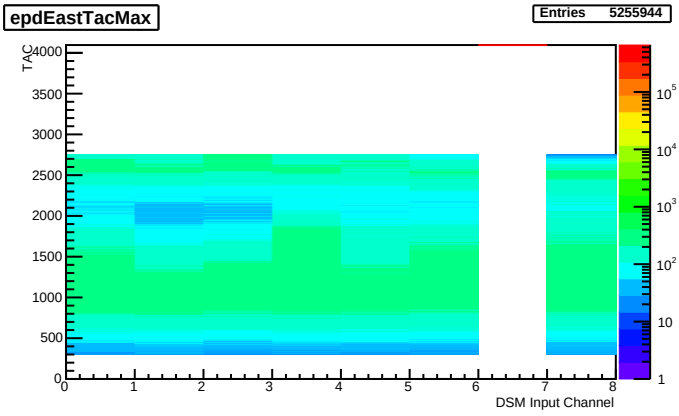
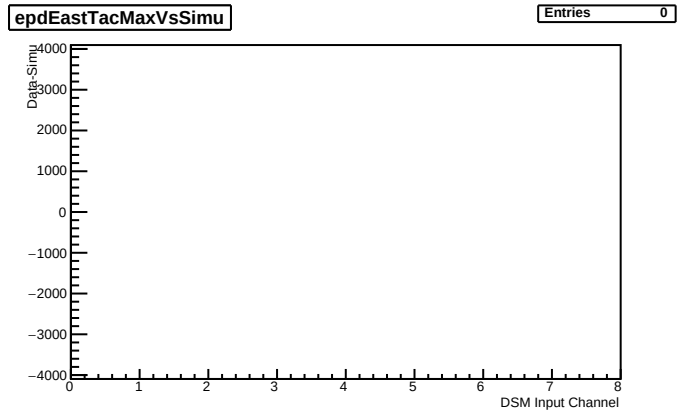
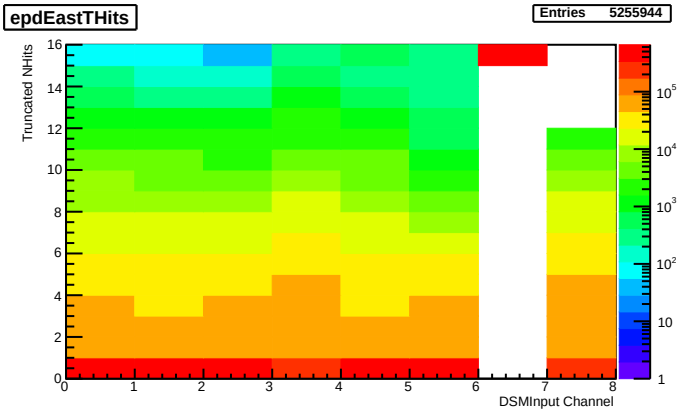
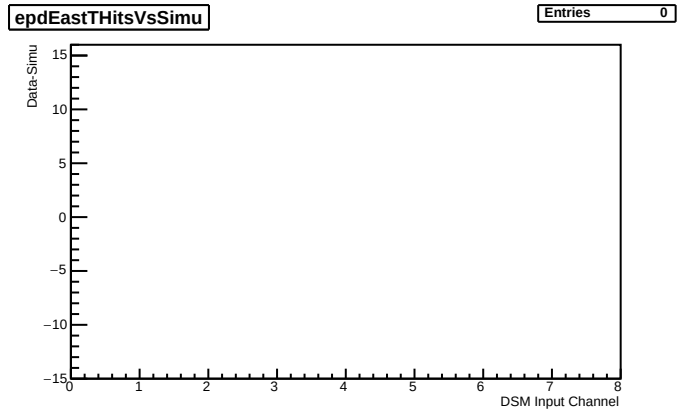
Simu


epdEastTacMax
Entries 5255944
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5255944
Truncated NHits
DSMInput Channel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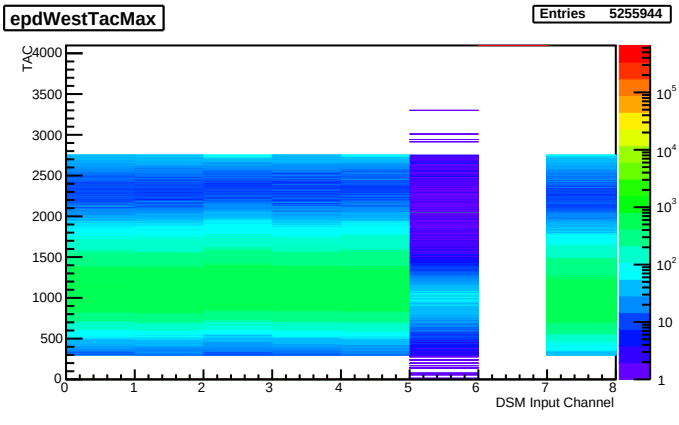
Data-Simu
DSM Input Channel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Entries 5255944
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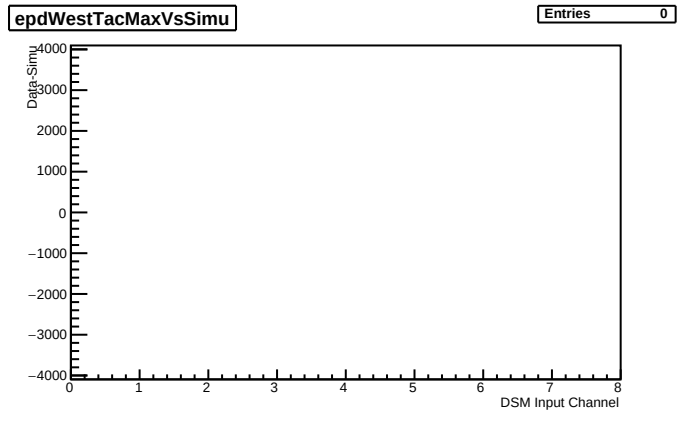
DSM Input Channel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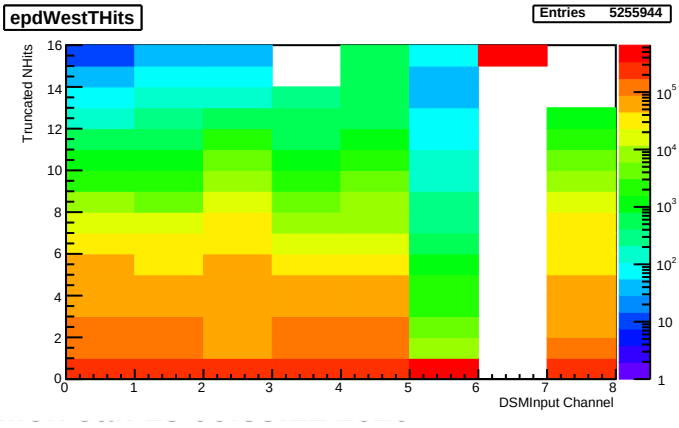
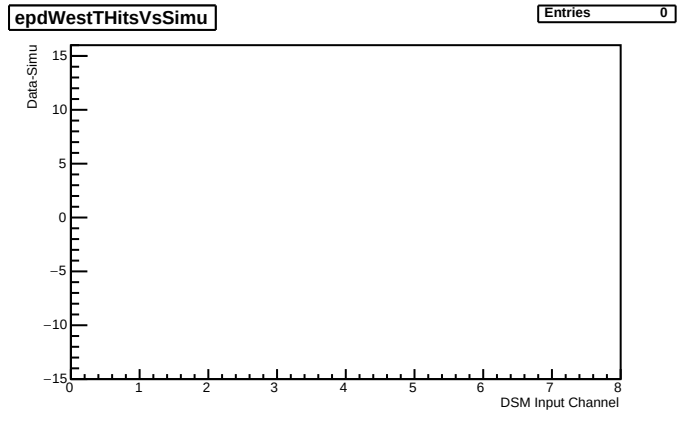
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5255944
Truncated NHits
DSMInput Channel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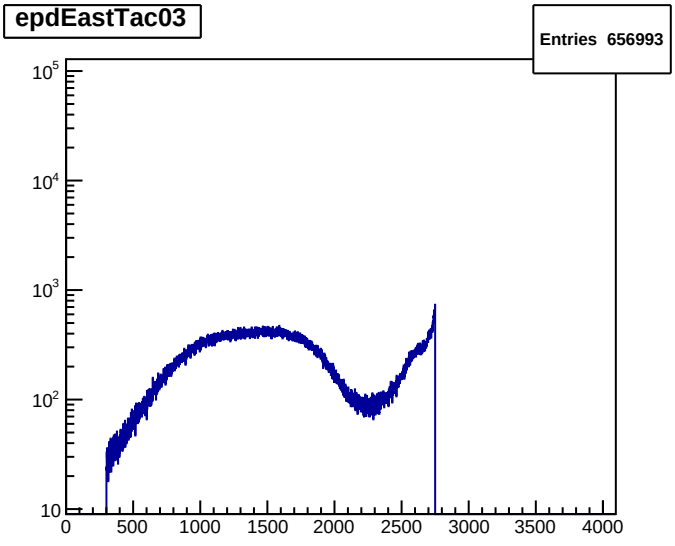
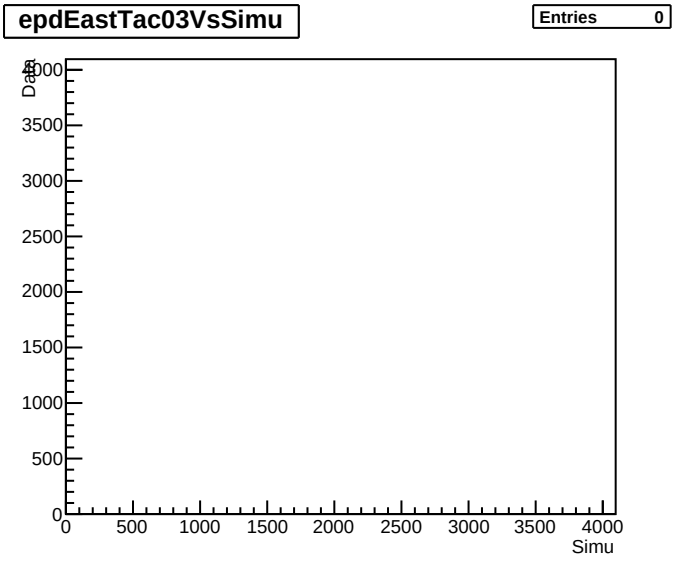
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 656993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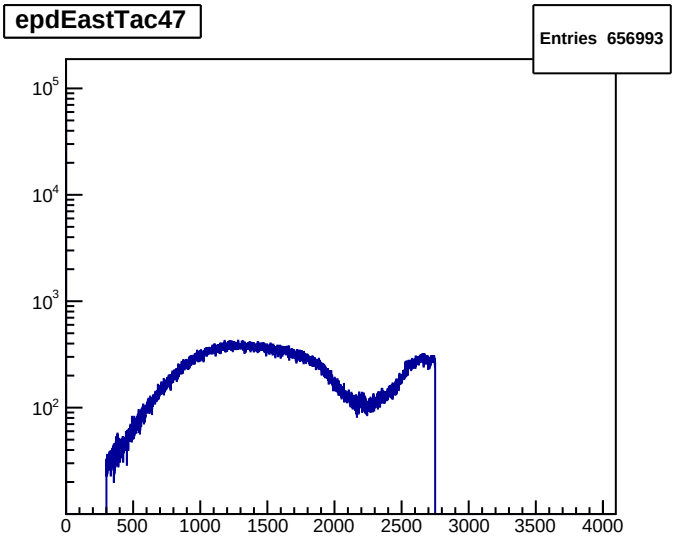
Entries 0
Data
Simu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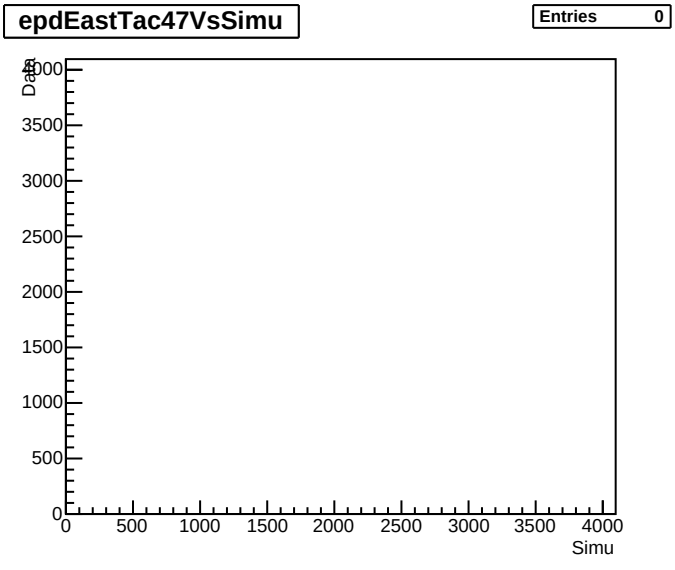
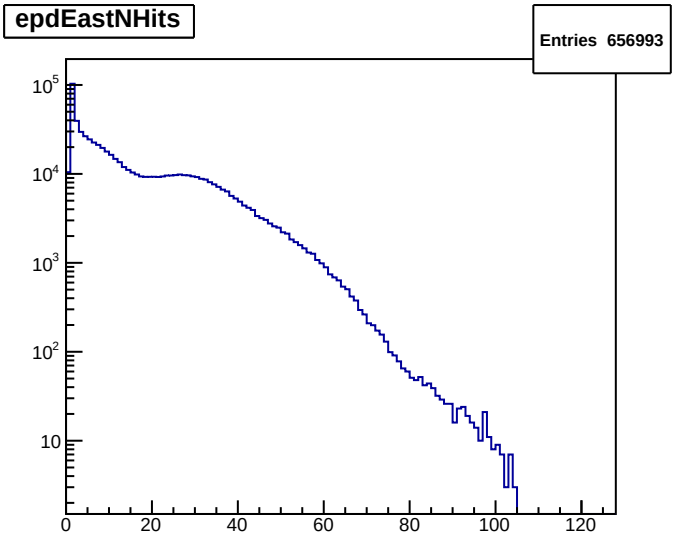
Entries 656993


epdEastTac47VsSimu
Entries 0
Data
Simu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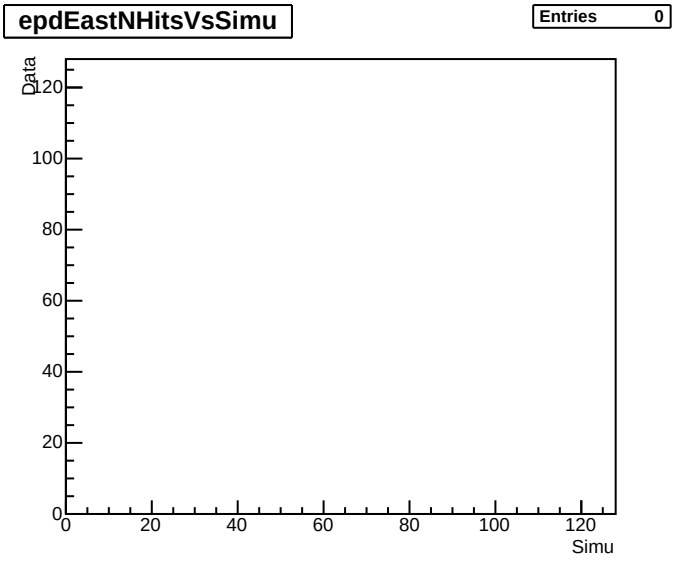
Entries 656993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Entries 0
Data
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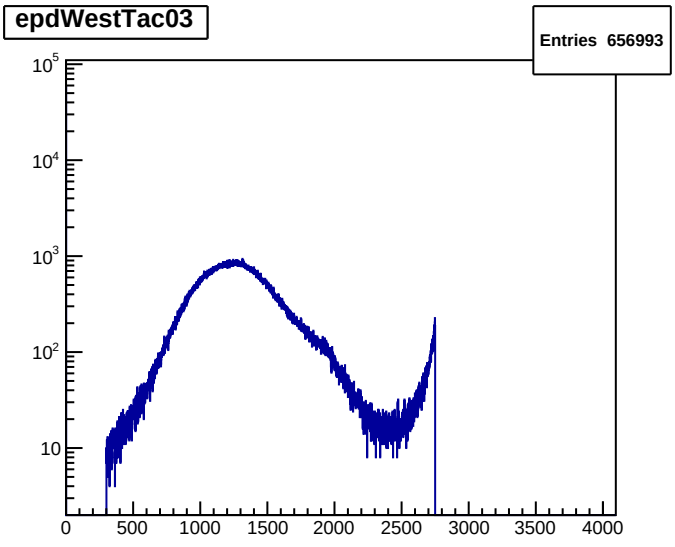
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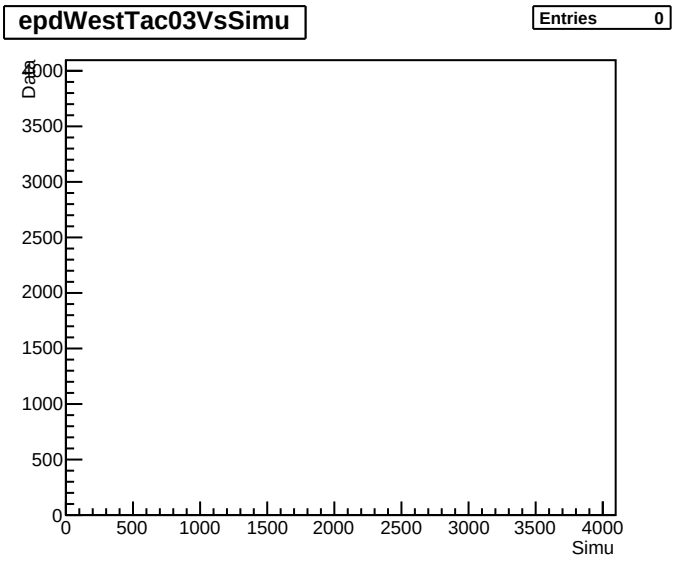
Entries 656993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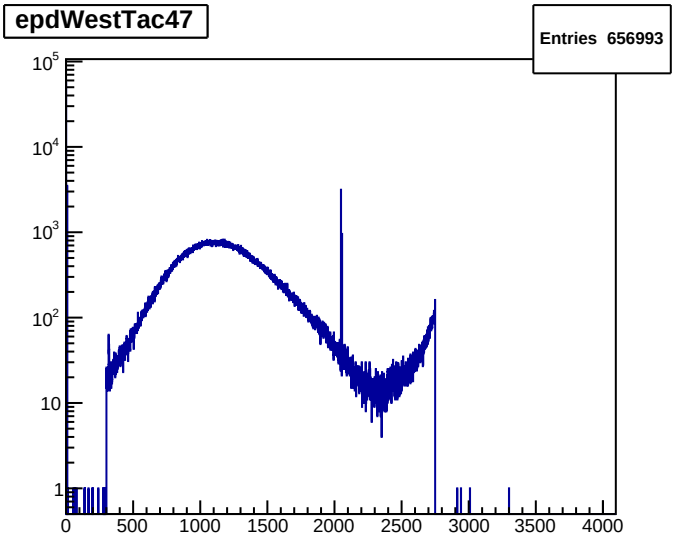
Entries 0
Data
Simu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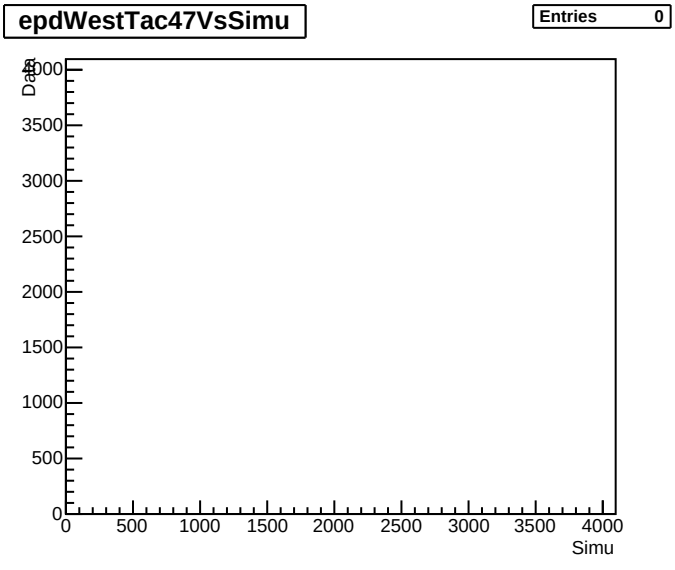
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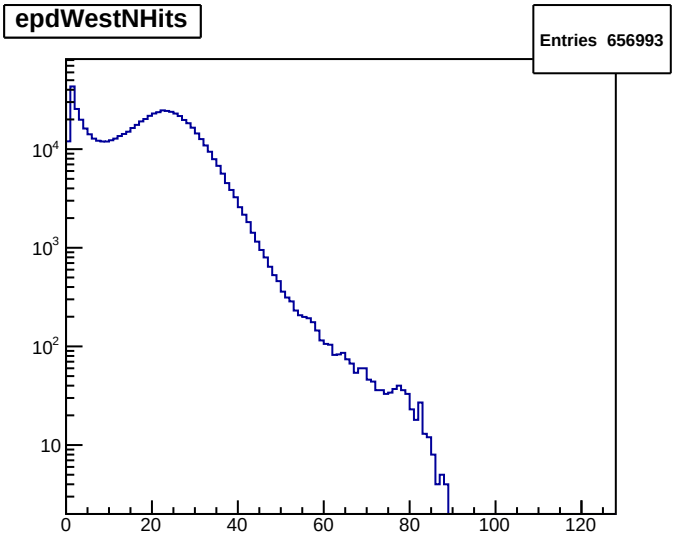
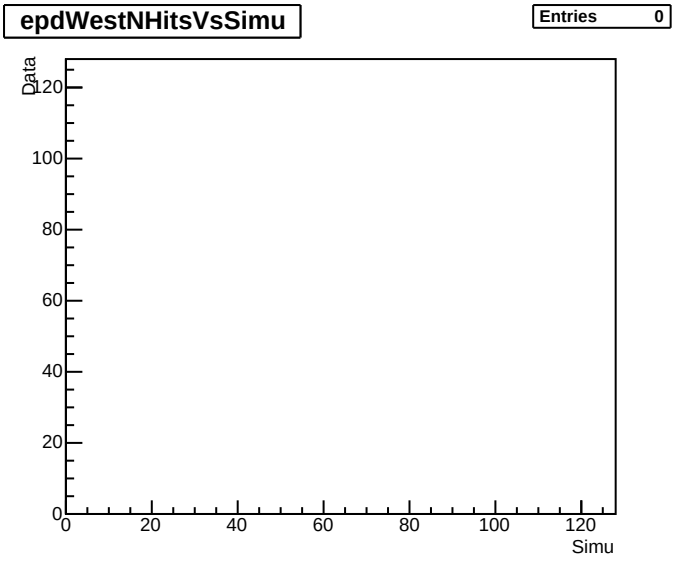
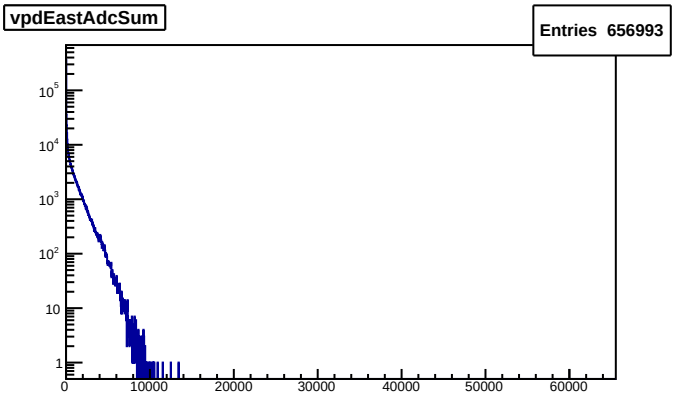
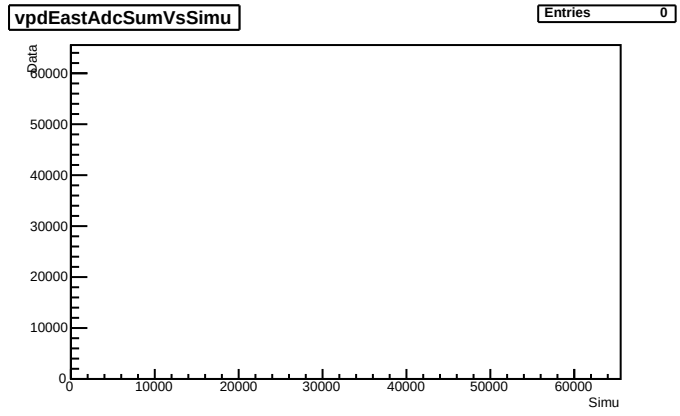
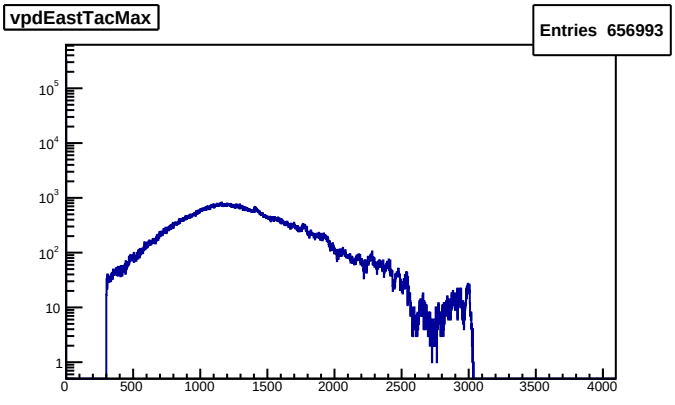
Entries 0
Data
Simu


epdWestNHits
Entries 656993


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 656993


vpdEastAdcSumVsSimu
Entries 0
Data
Simu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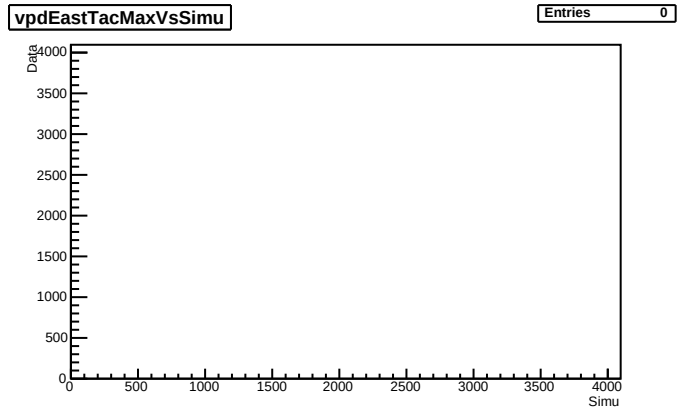
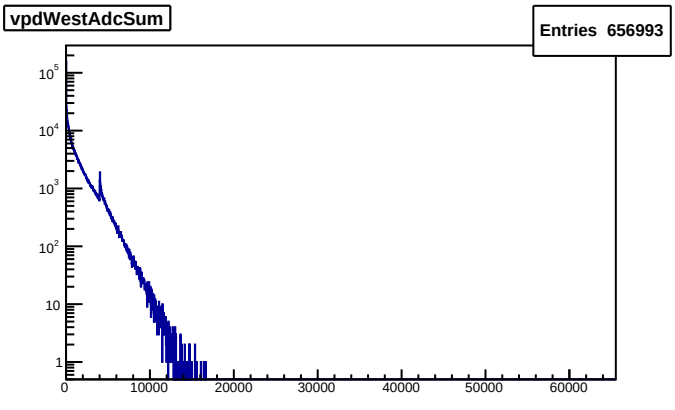
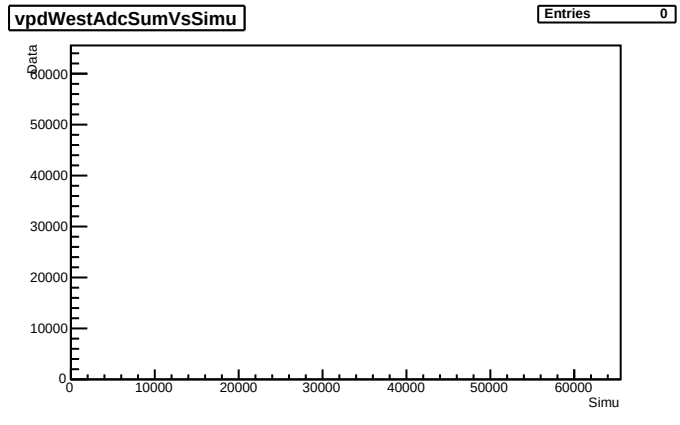
Entries 656993


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 656993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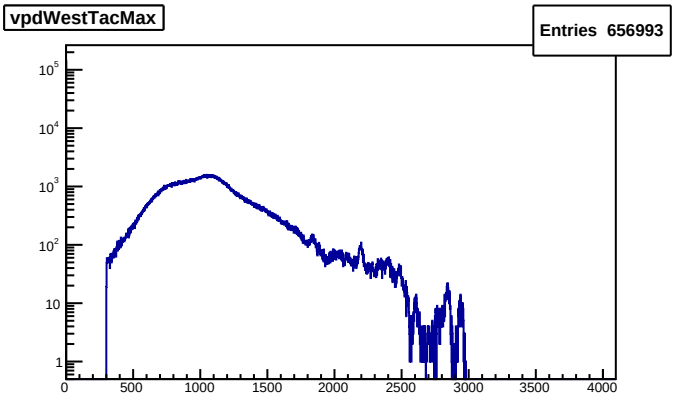
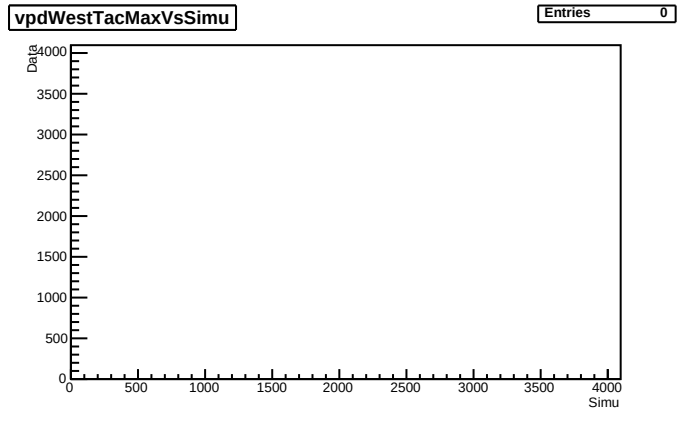
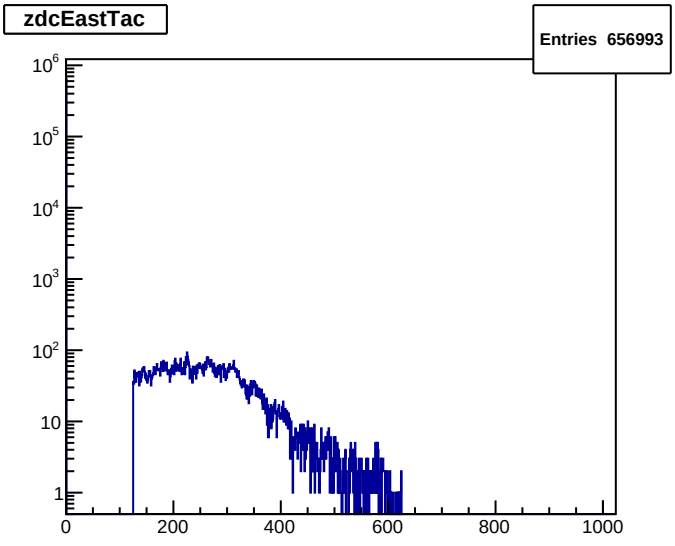
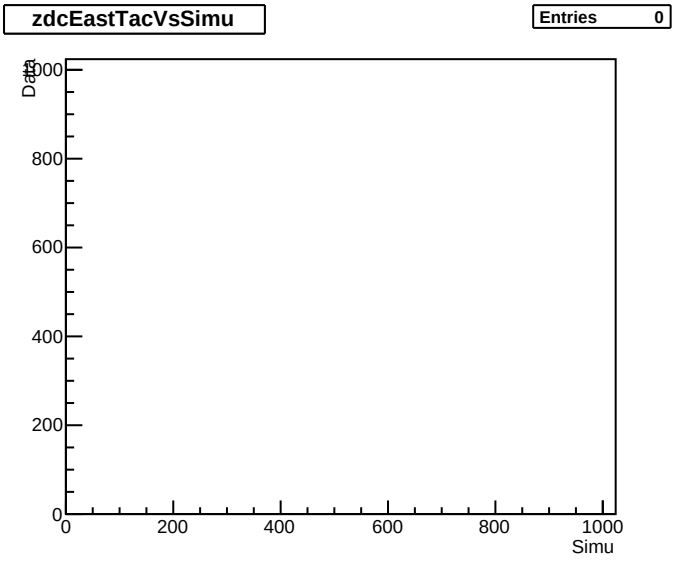
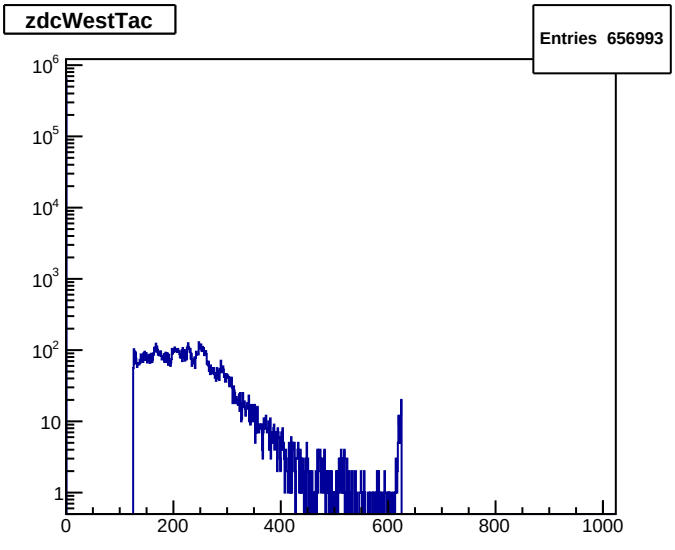
Entries 0
Data
Simu

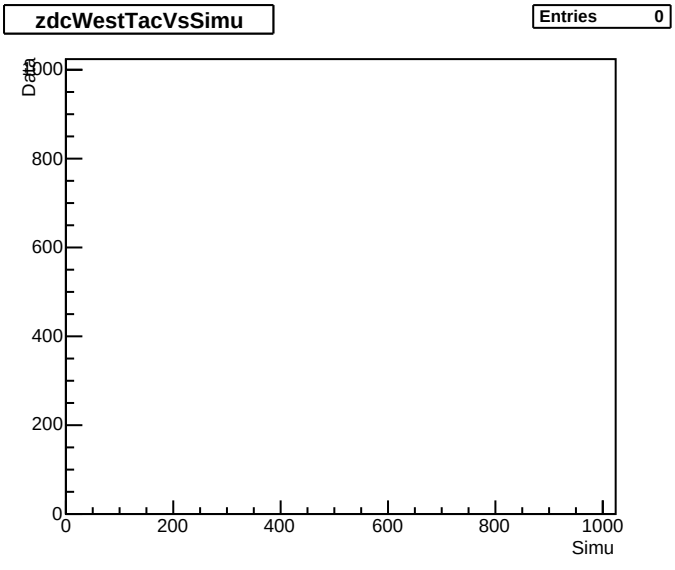

vpdWestTacMax
Entries 656993

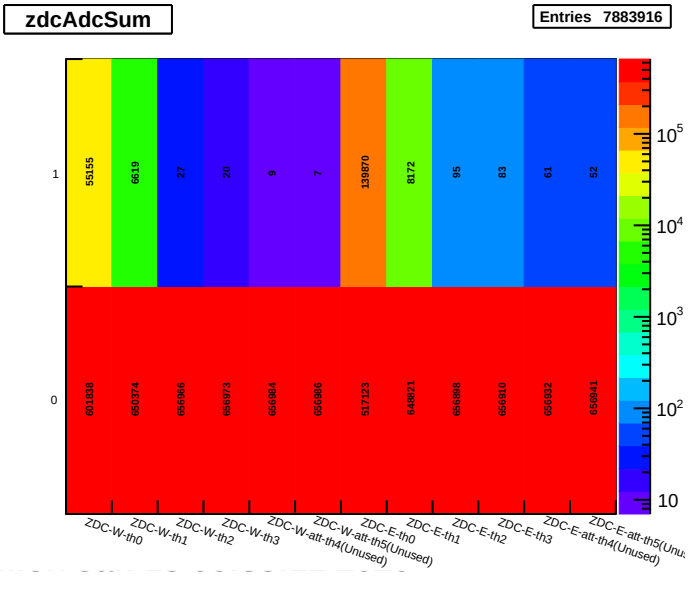

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

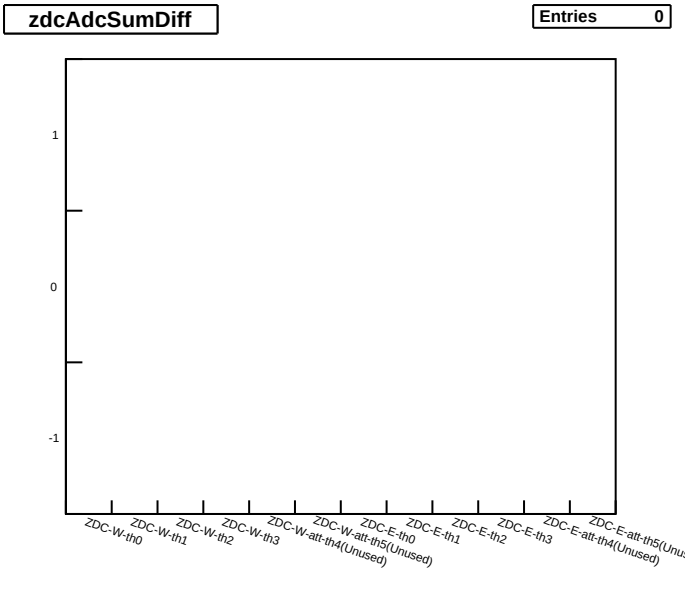

zdcEastTac
Entries 656993

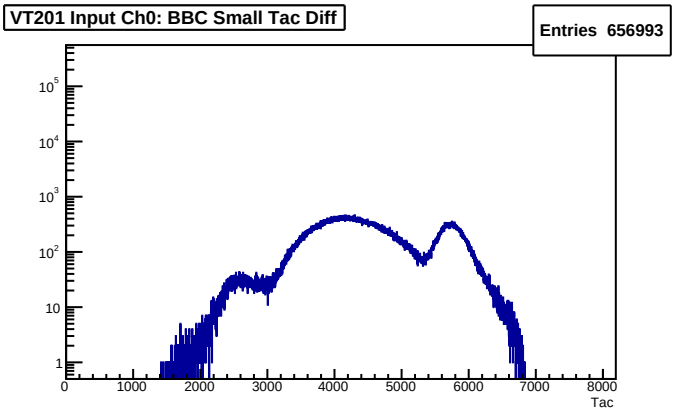

zdcEastTacVsSimu
Entries 0
Data
Simu

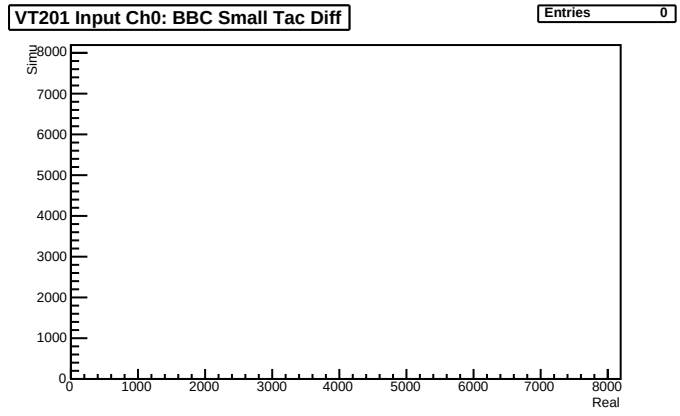

zdcWestTac
Entries 656993

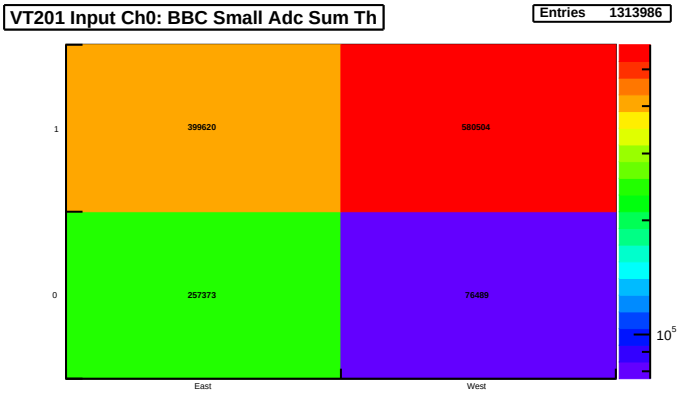

zdcWestTacVsSimu
Entries 0
Data
Simu

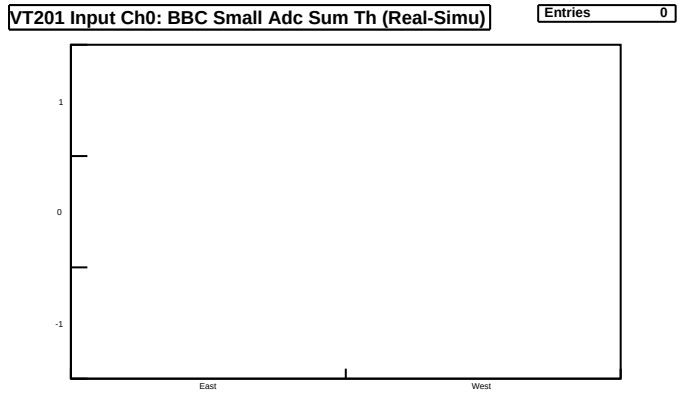

zdcAdcSum
Entries 7883916
55155
6619
27
20
9
7
139870
8172
95
83
61
52
601838
650374
656966
656973
656984
656986
517123
648821
656898
656910
656932
656941
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

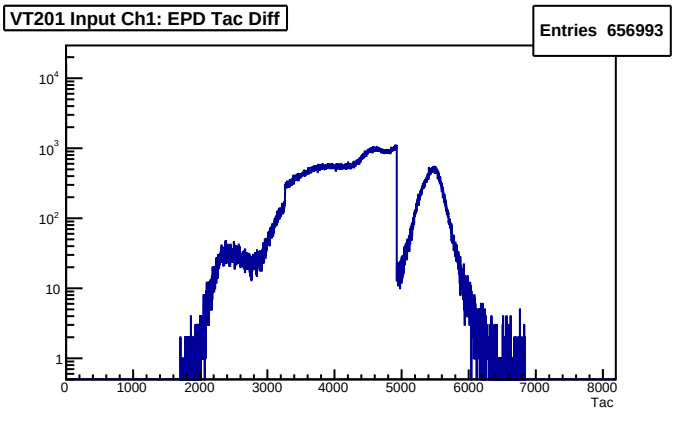

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

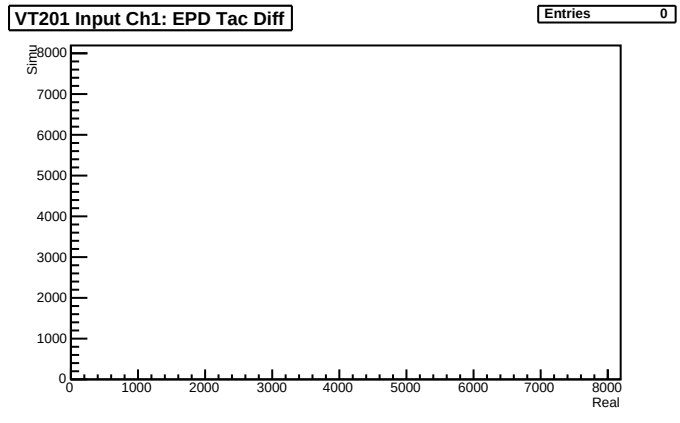

VT201 Input Ch0: BBC Small Tac Diff
Entries 656993
Tac

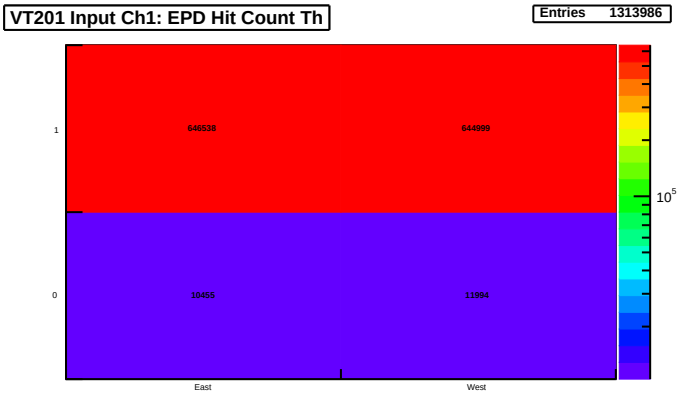

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

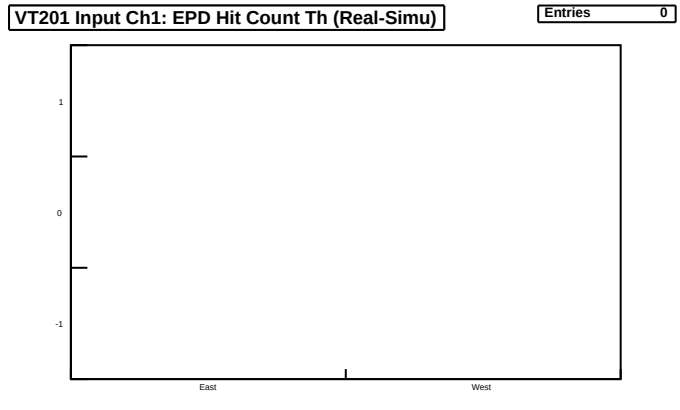

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1313986
399620
580504
257373
76489
East
West

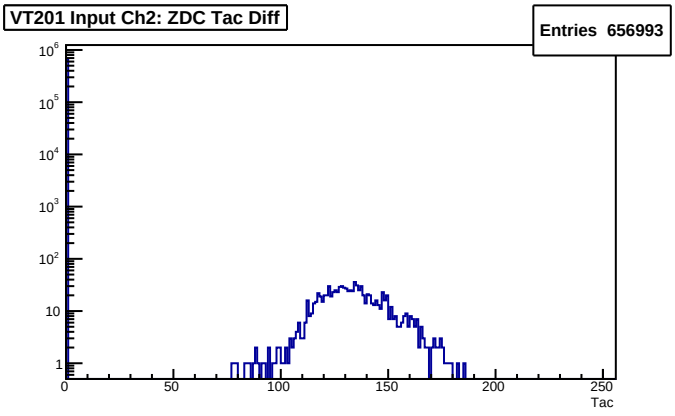

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

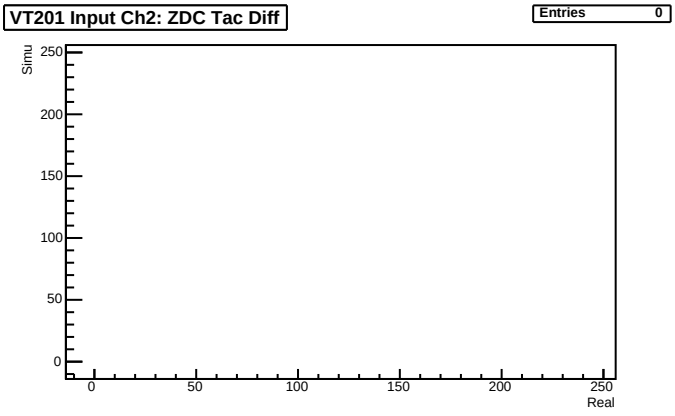

VT201 Input Ch1: EPD Tac Diff
Entries 656993
Tac

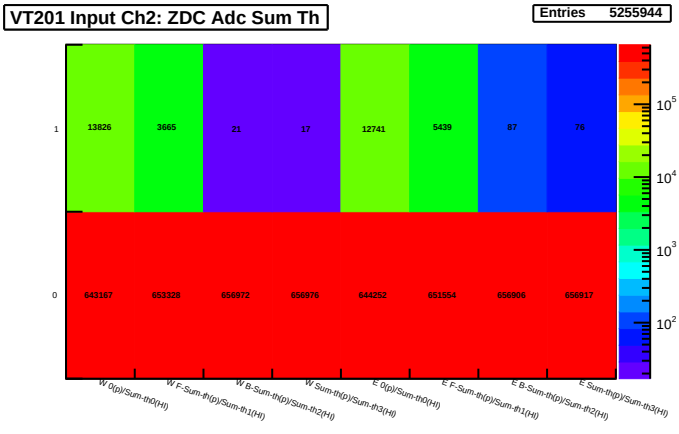

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

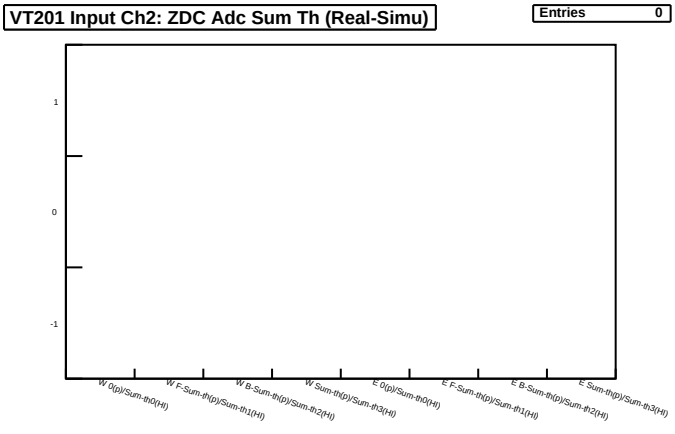

VT201 Input Ch1: EPD Hit Count Th
Entries 1313986
646538
644999
10455
11994
East
West

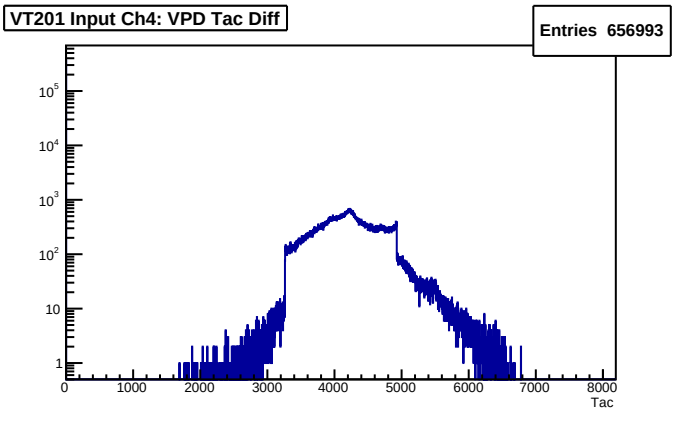

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

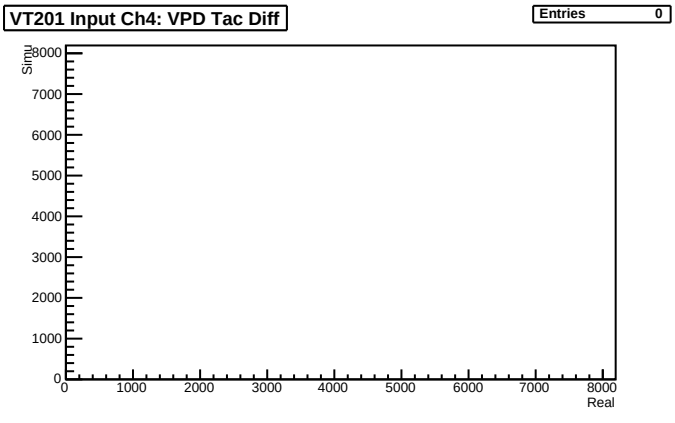

VT201 Input Ch2: ZDC Tac Diff
Entries 656993
Tac

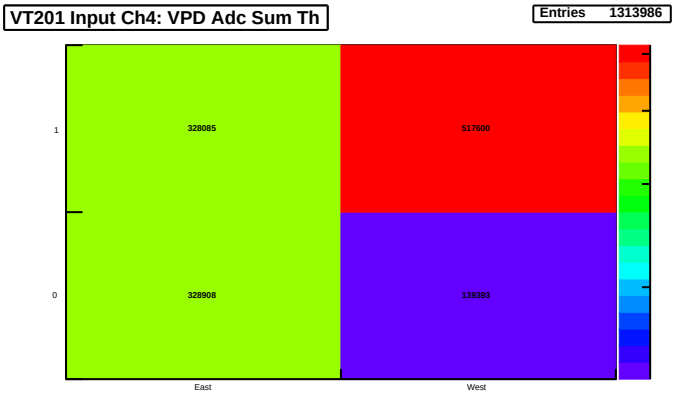

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

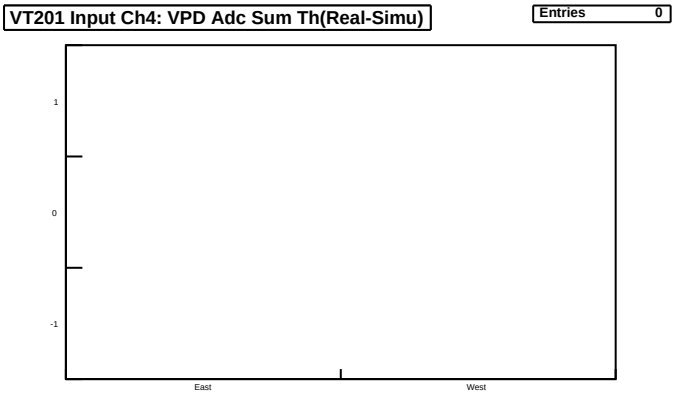

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5255944
13826
3665
21
17
12741
5439
87
76
643167
653328
656972
656976
644252
651554
656906
656917
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

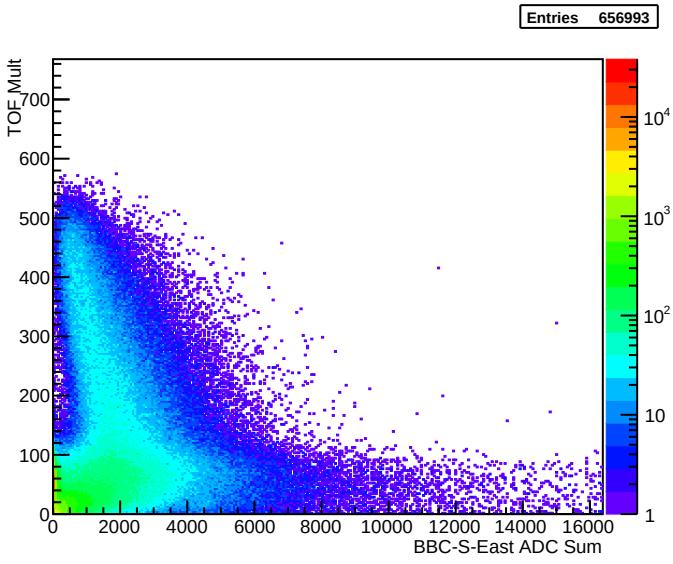

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

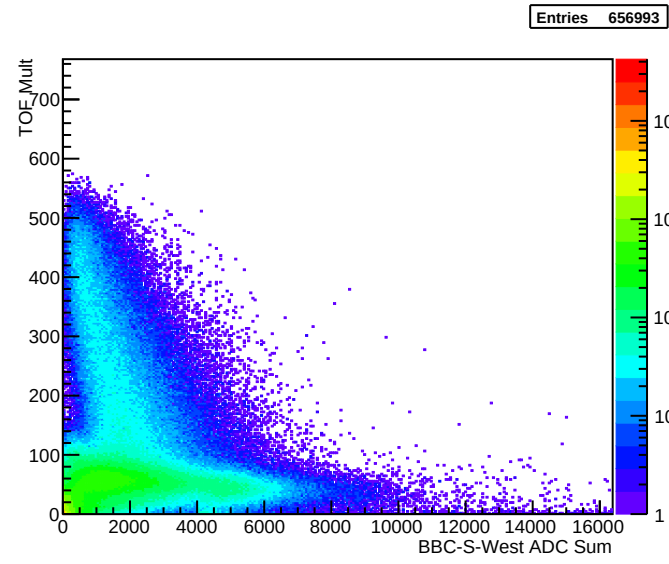

VT201 Input Ch4: VPD Tac Diff
Entries 656993
Tac

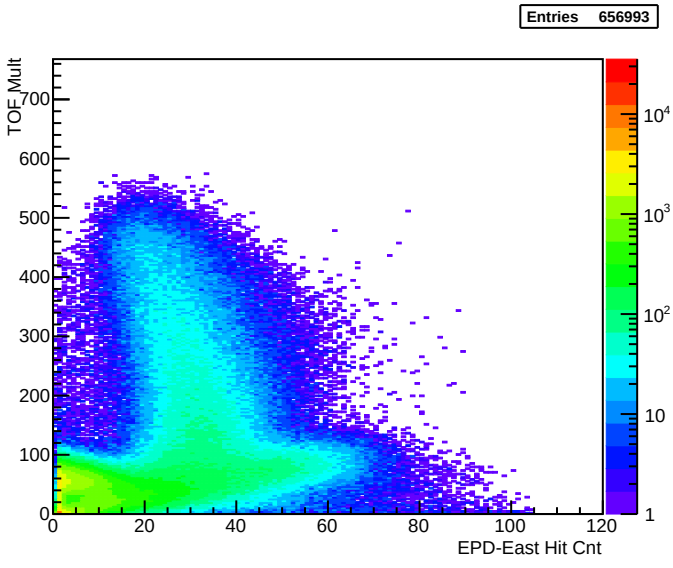

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

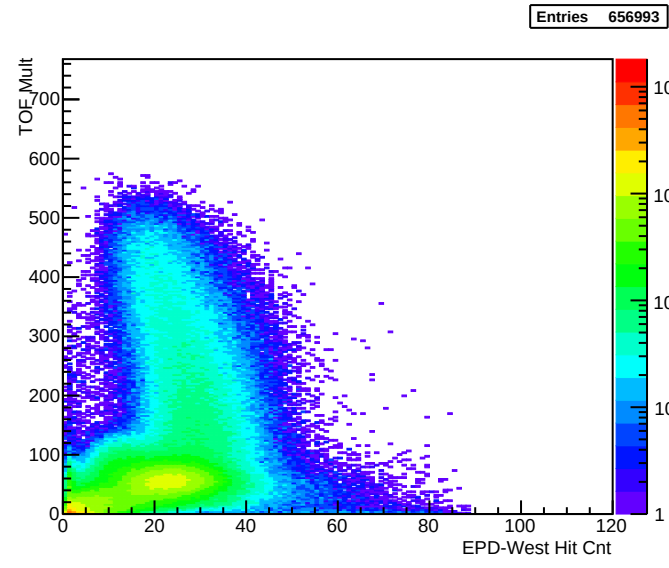

VT201 Input Ch4: VPD Adc Sum Th
Entries 1313986
328085
517600
328908
139393
East
West

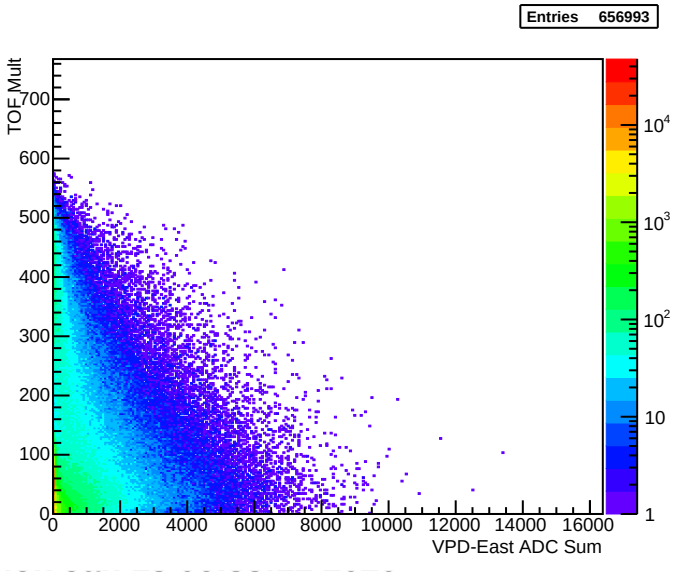

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

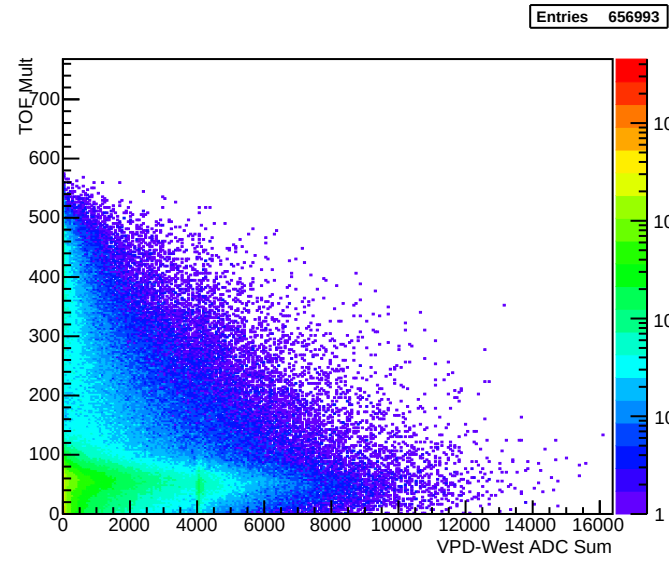

Entries 656993
TOF_Mult
BBC-S-East ADC Sum

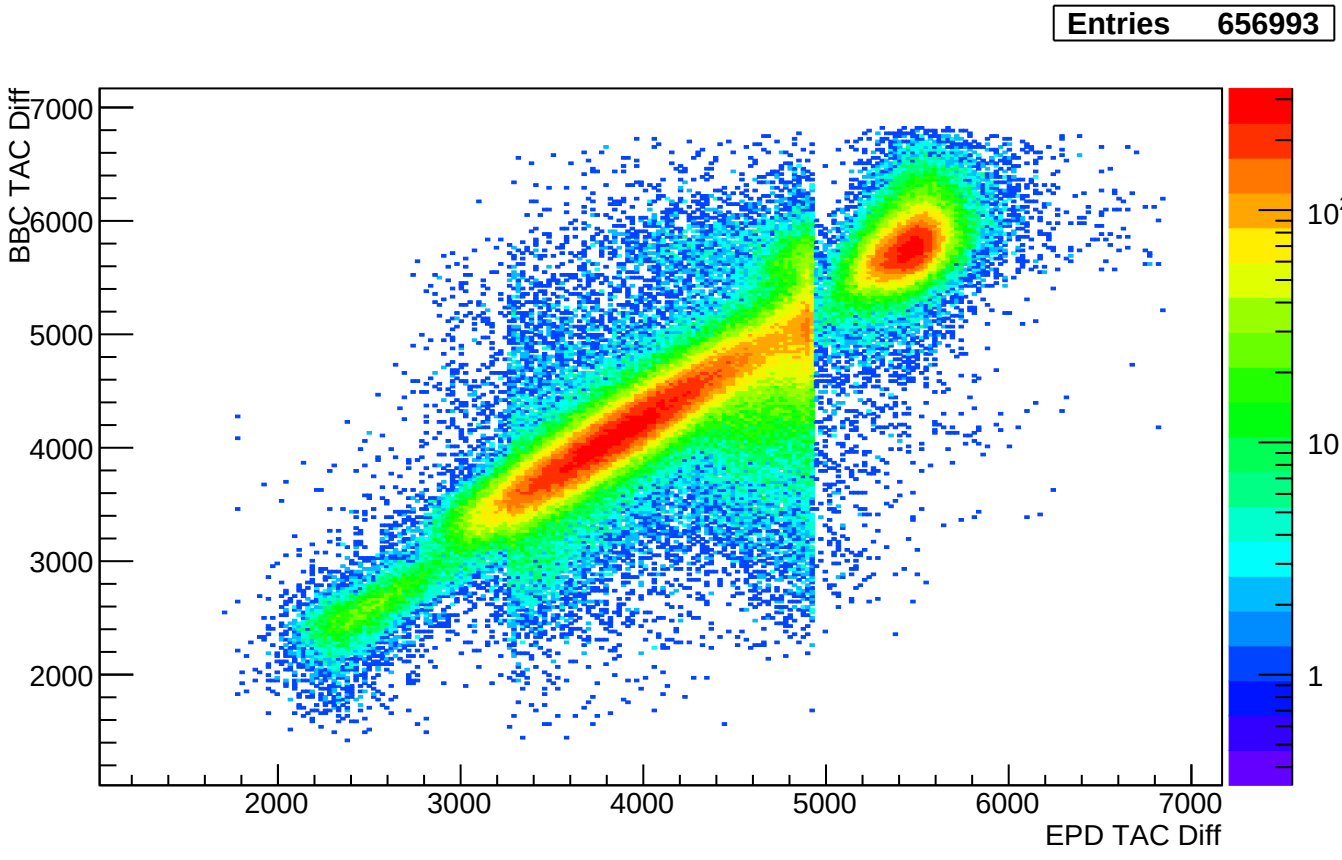

Entries 656993
TOF_Mult
BBC-S-West ADC Sum

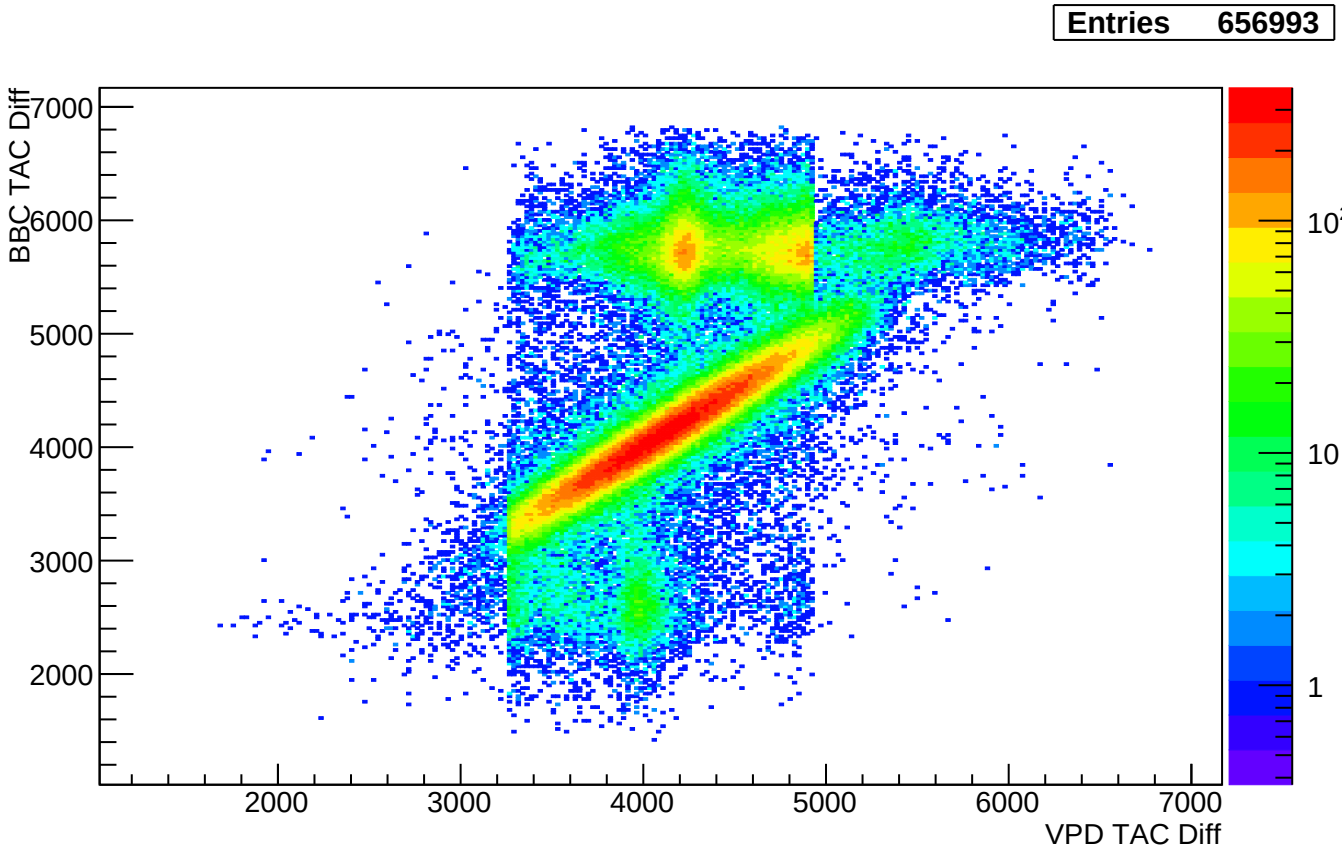

Entries 656993
TOF_Mult
EPD-East Hit Cnt

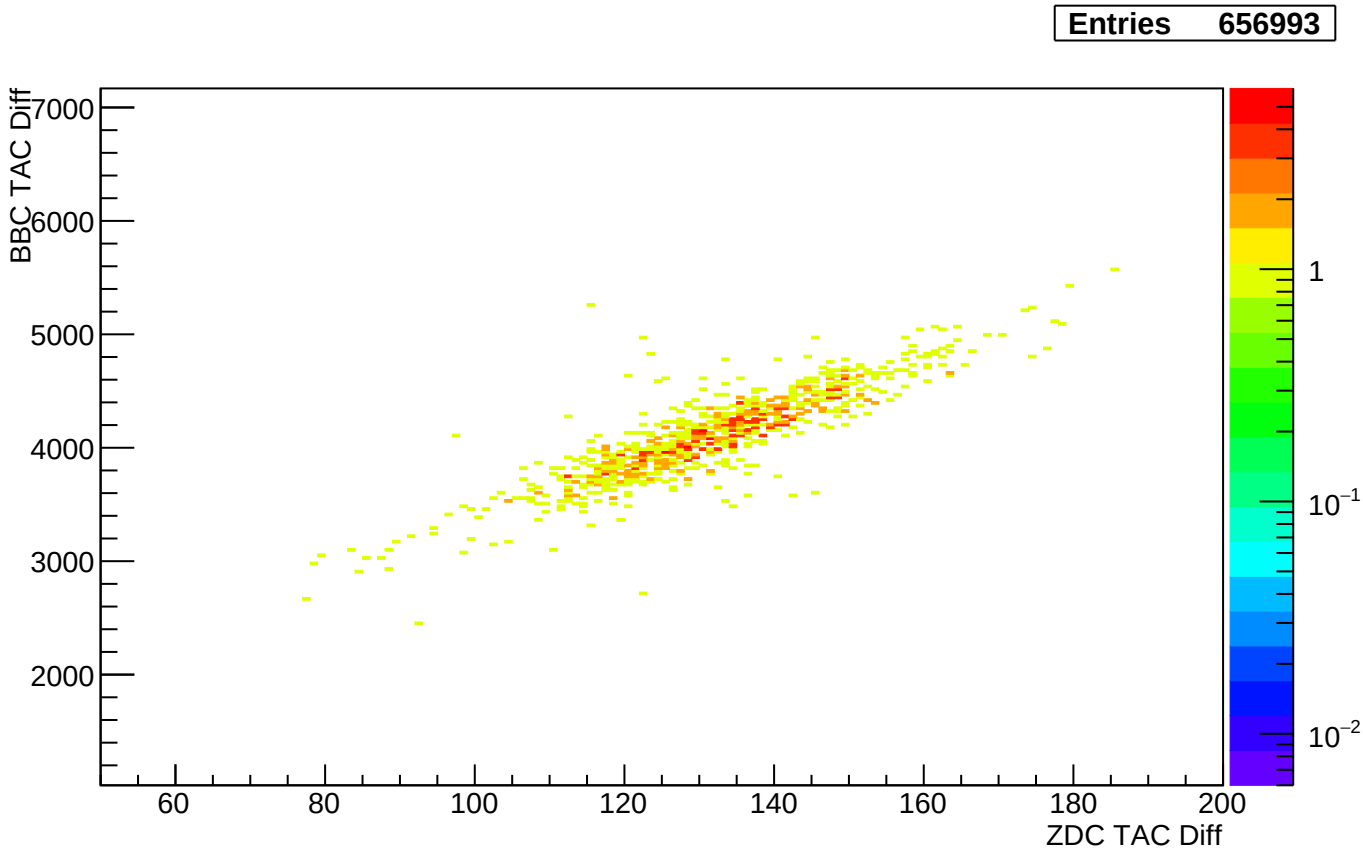

Entries 656993
TOF_Mult
EPD-West Hit Cnt

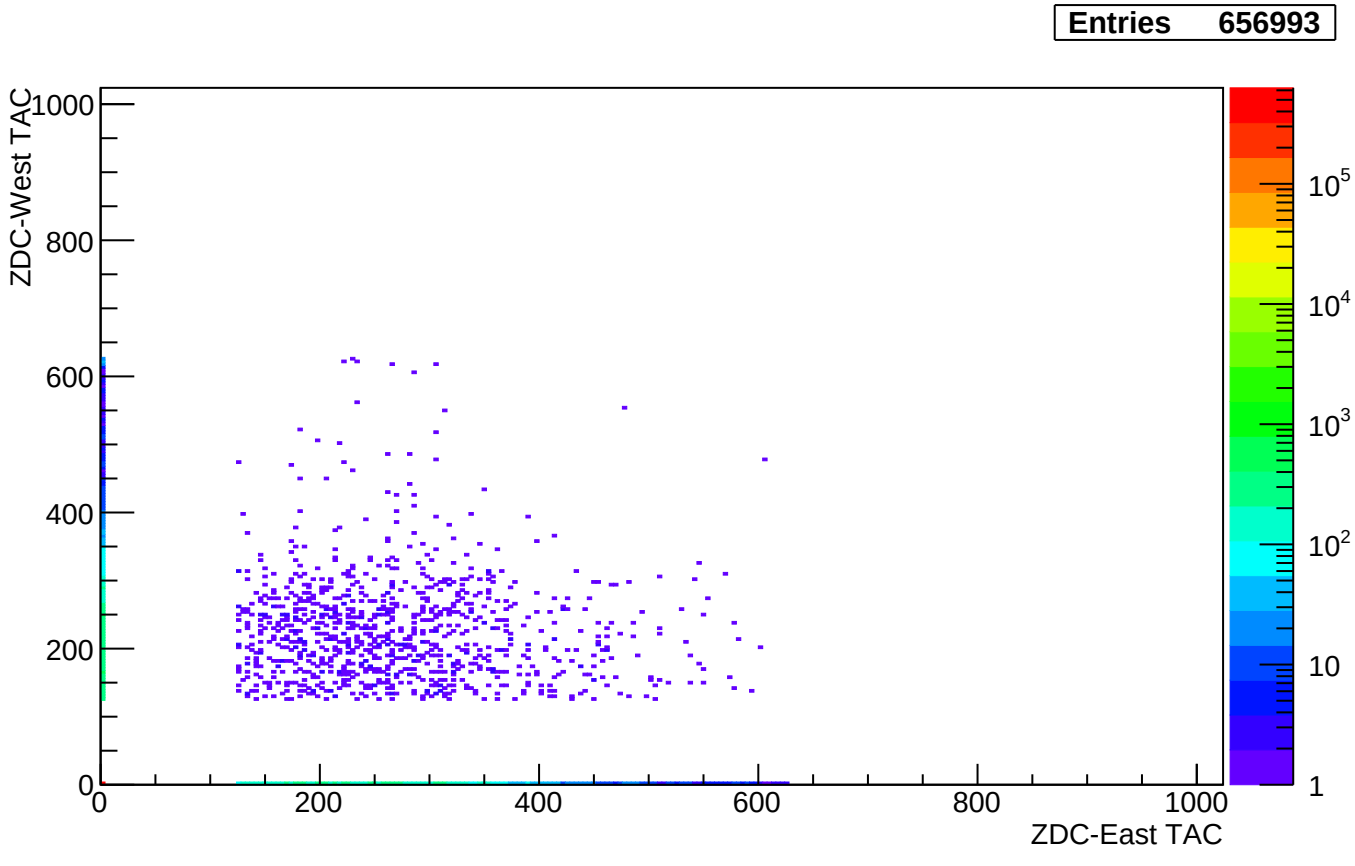

Entries 656993
TOF_Mult
VPD-East ADC Sum

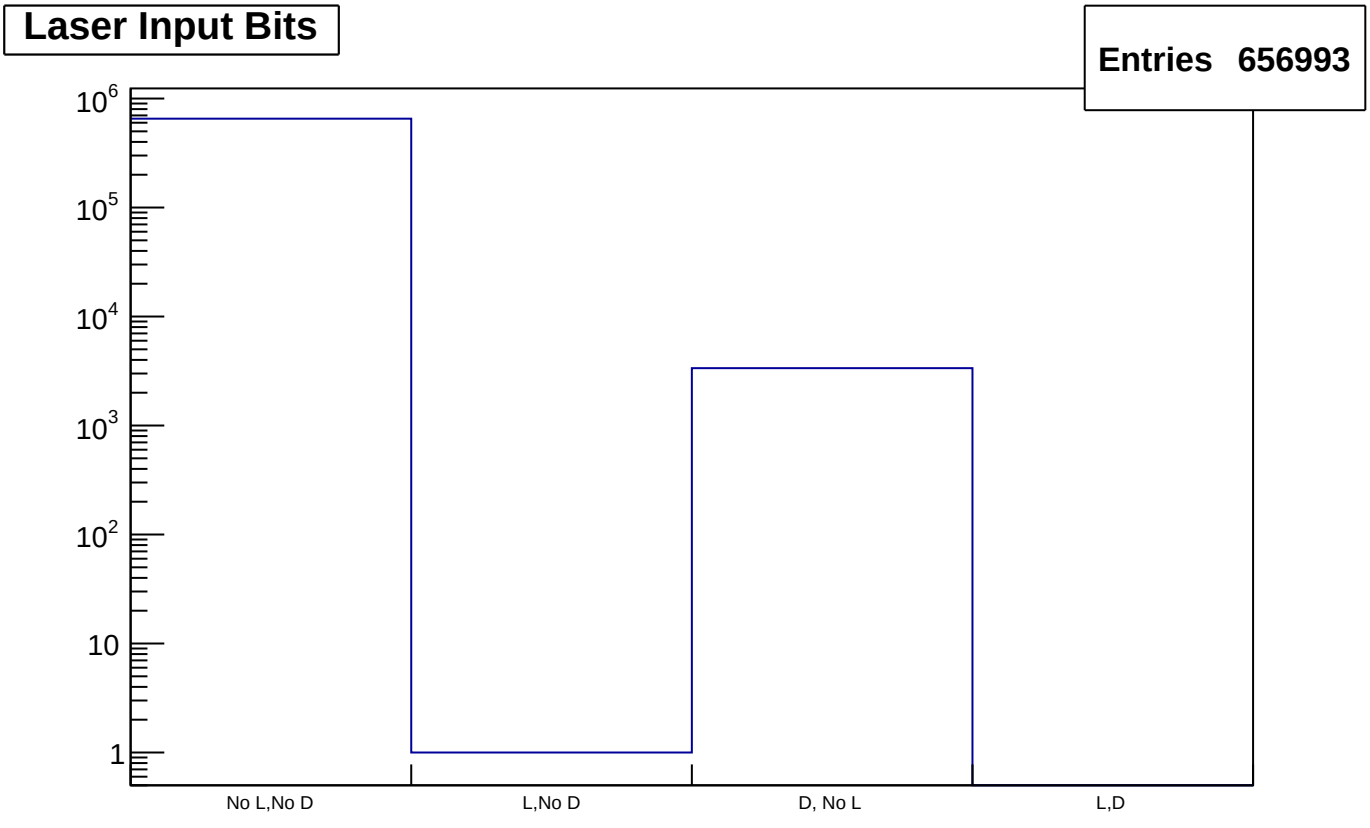

Entries 656993
TOF_Mult
VPD-West ADC Sum

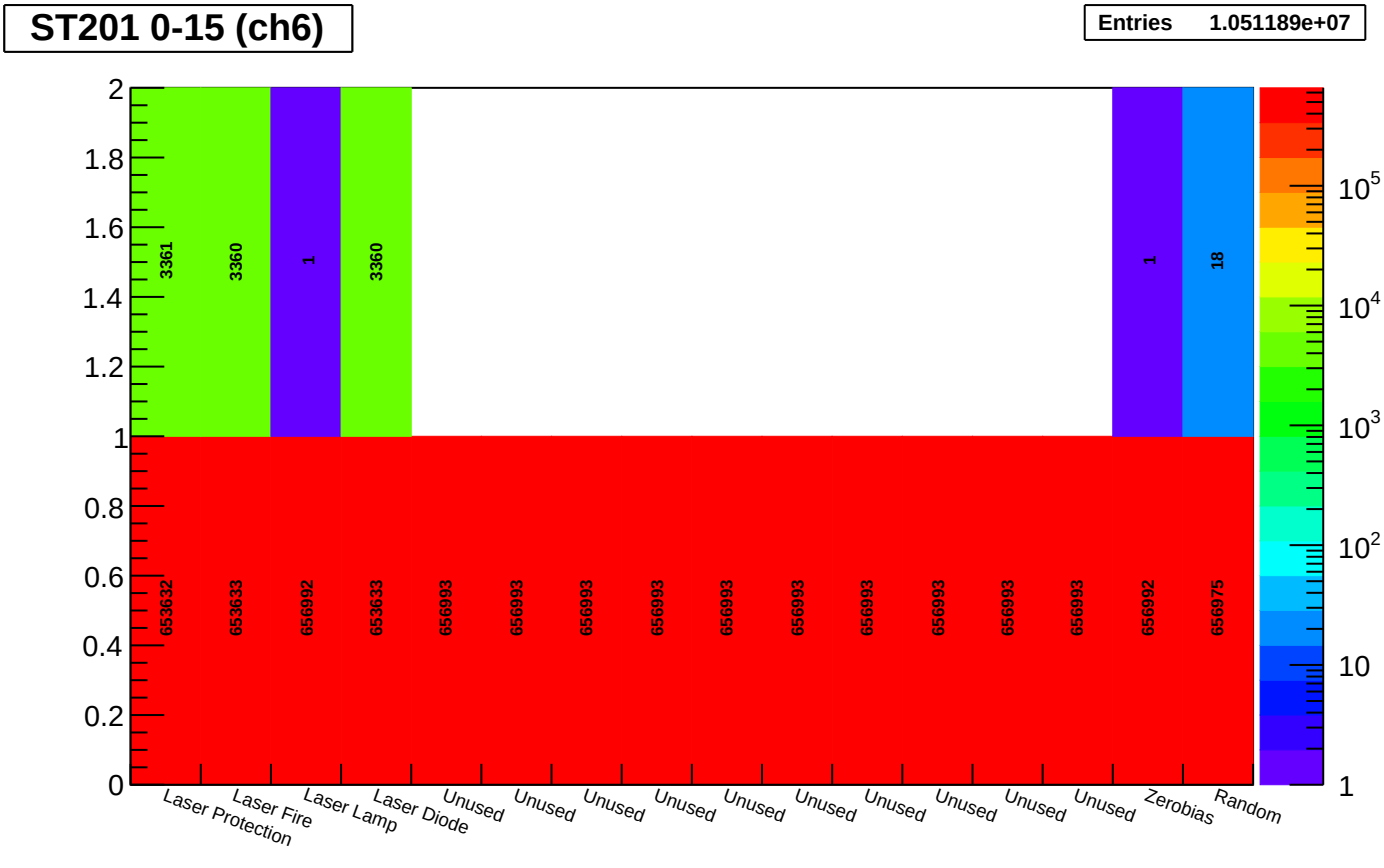

Entries 656993
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
$10^2$
10
1


Entries 656993
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
$10^2$
10
1

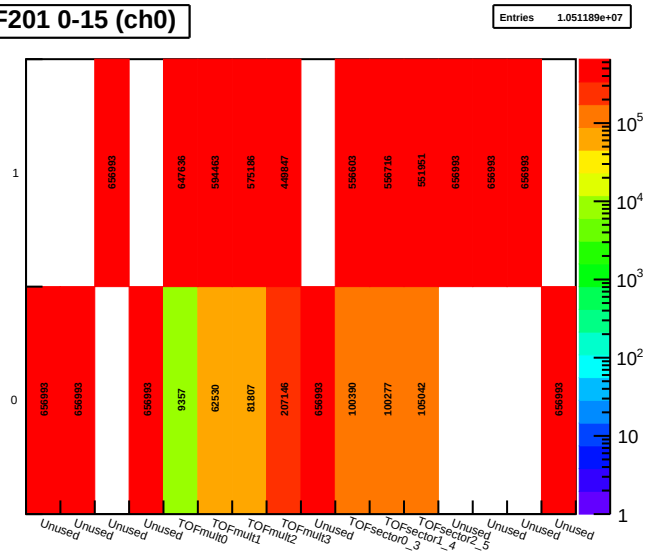

Entries 656993
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
$10^{-1}$
$10^{-2}$


Entries 656993
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

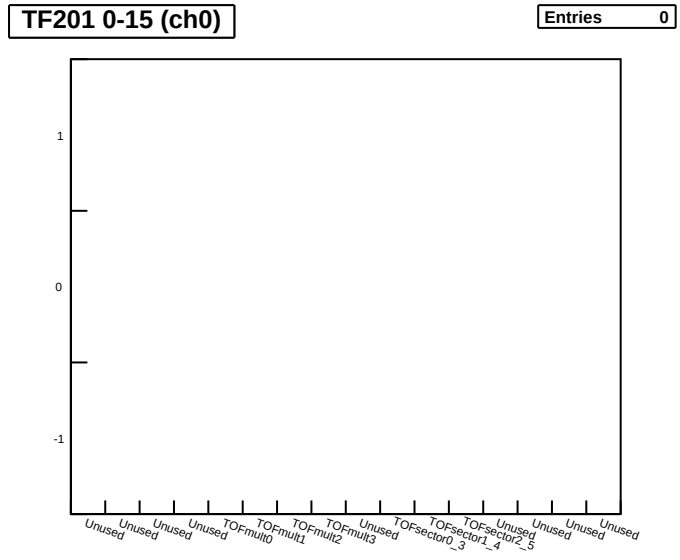

Laser Input Bits
Entries 656993
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 1.051189e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3361
3360
1
3360
1
18
653632
653633
656992
653633
656993
656993
656993
656993
656993
656993
656993
656993
656993
656993
656992
656975
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

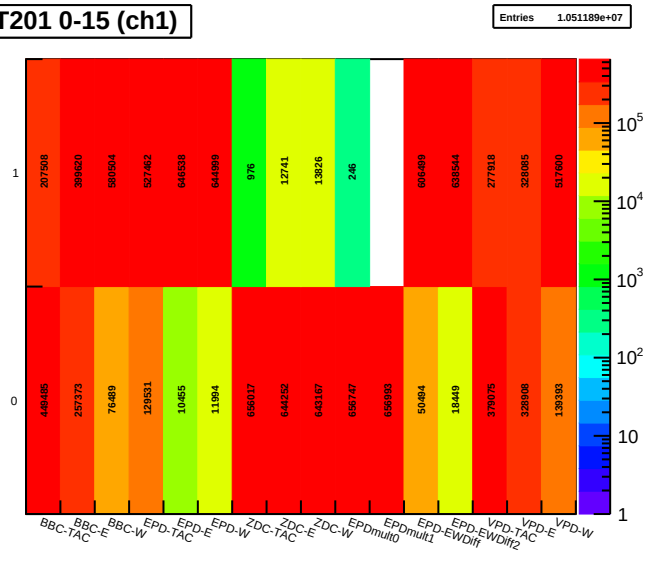
## TF201 0-15 (ch0)



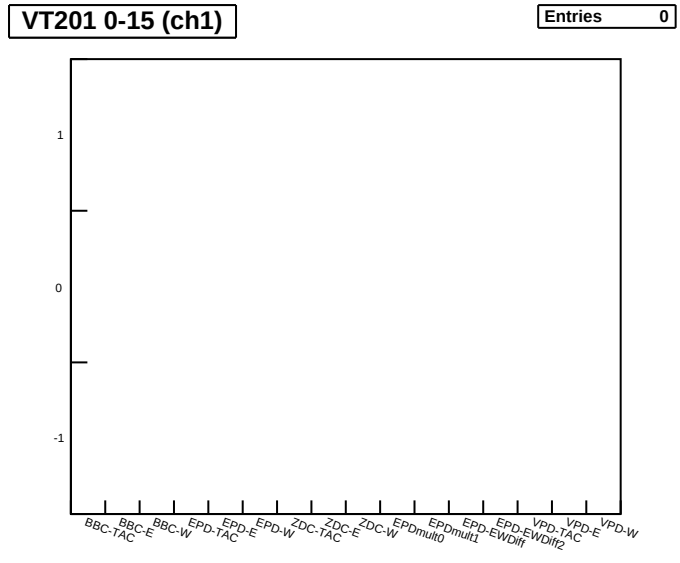

## TF201 0-15 (ch0)



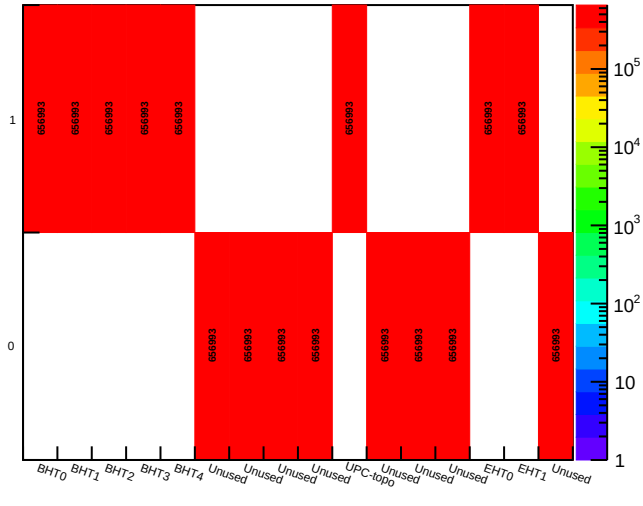

## VT201 0-15 (ch1)

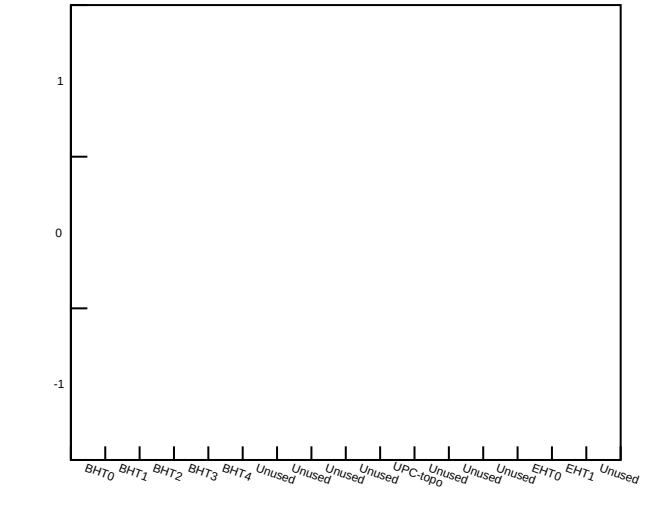



## VT201 0-15 (ch1)




## EM201 0-15 (ch3)




## EM201 0-15 (ch3)