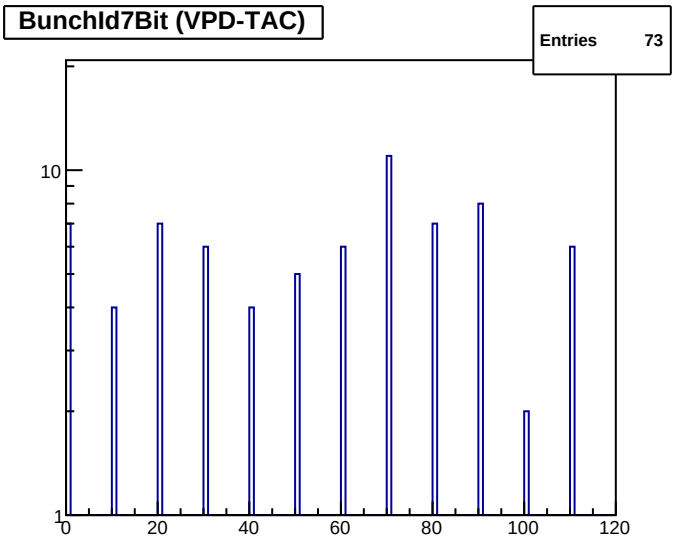
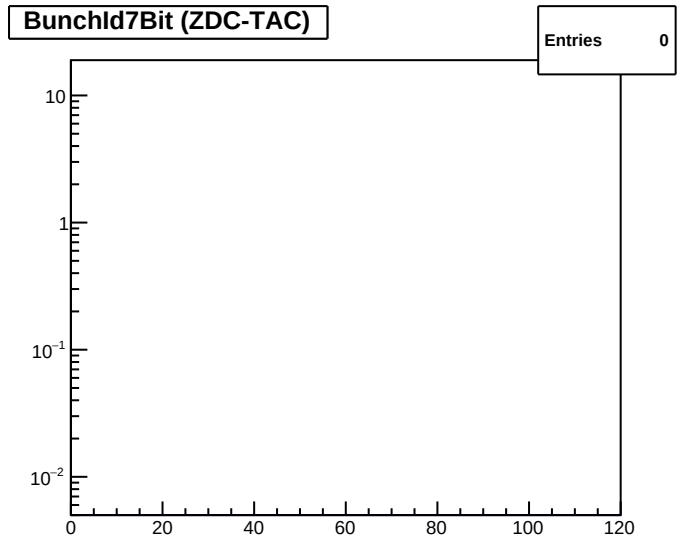
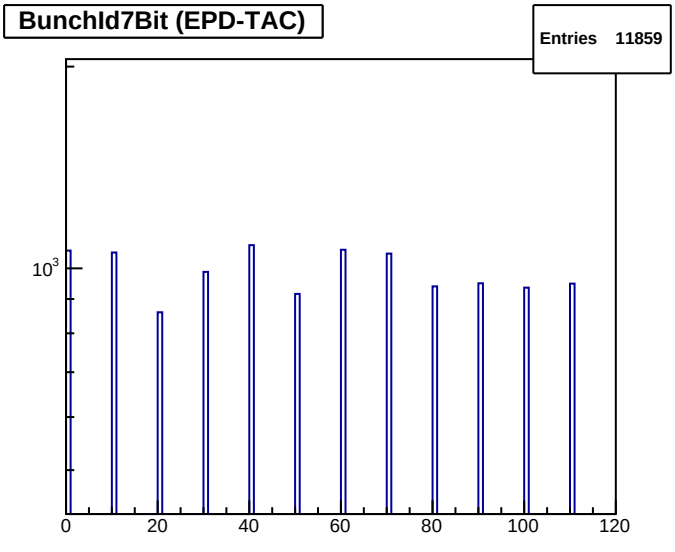
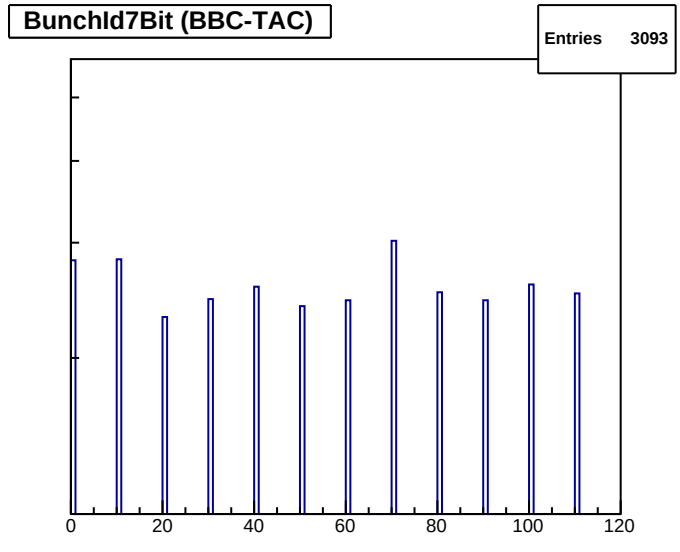
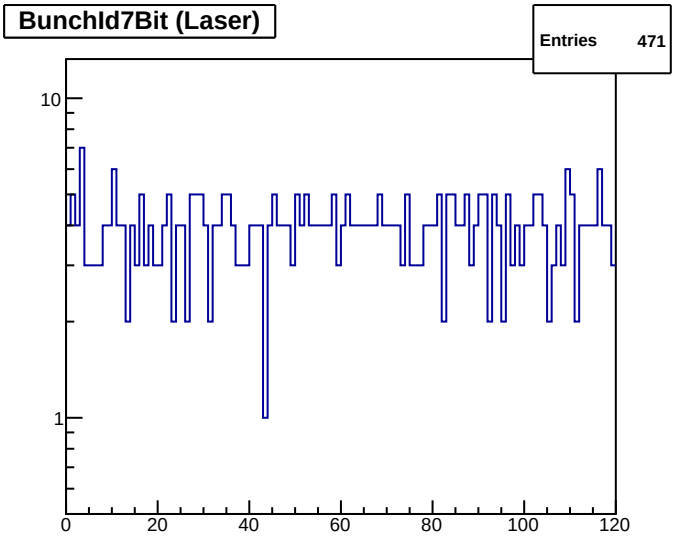
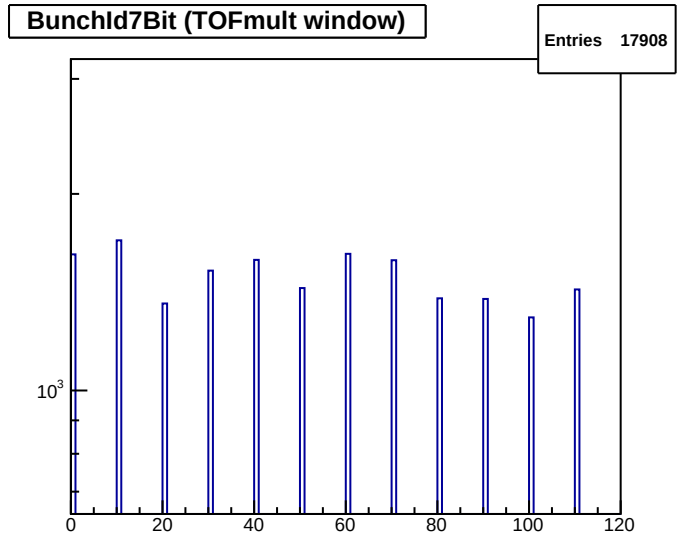

BunchId7Bit (VPD-TAC)
Entries 73
10
1
0 20 40 60 80 100 120

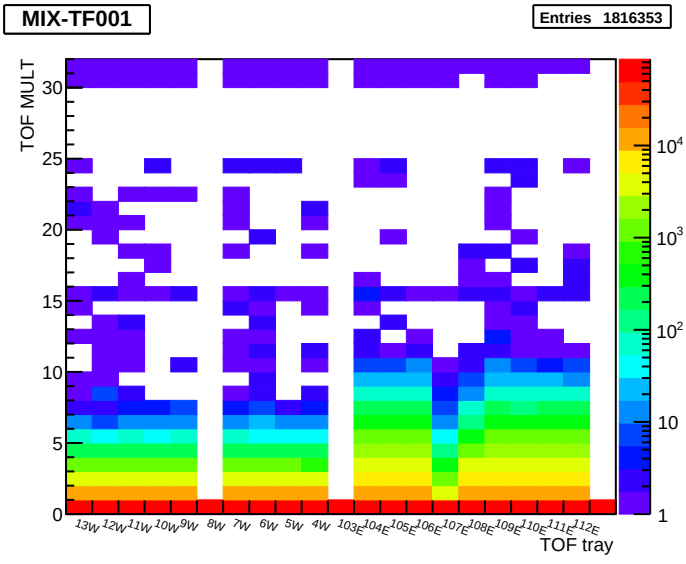

BunchId7Bit (ZDC-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

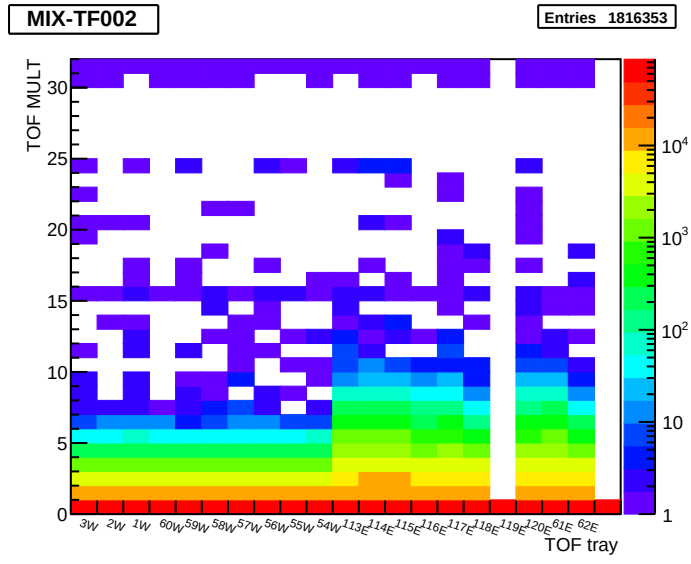

BunchId7Bit (EPD-TAC)
Entries 11859
10^3
0 20 40 60 80 100 120

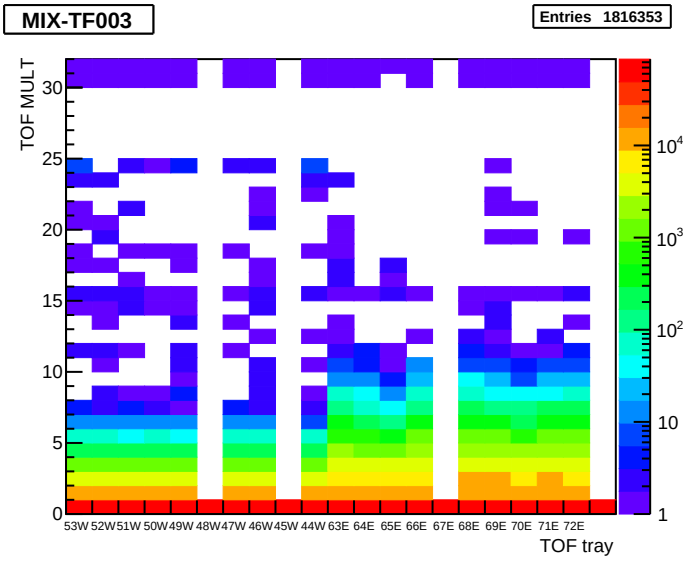

BunchId7Bit (BBC-TAC)
Entries 3093
0 20 40 60 80 100 120

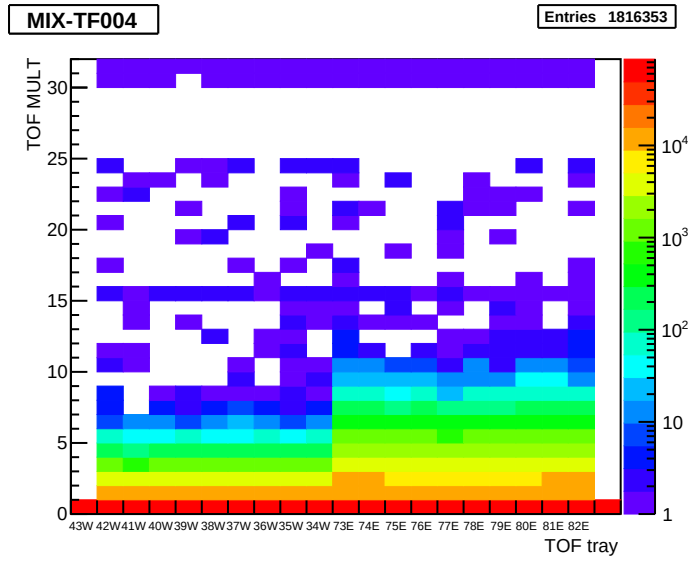

BunchId7Bit (Laser)
Entries 471
10
1
0 20 40 60 80 100 120

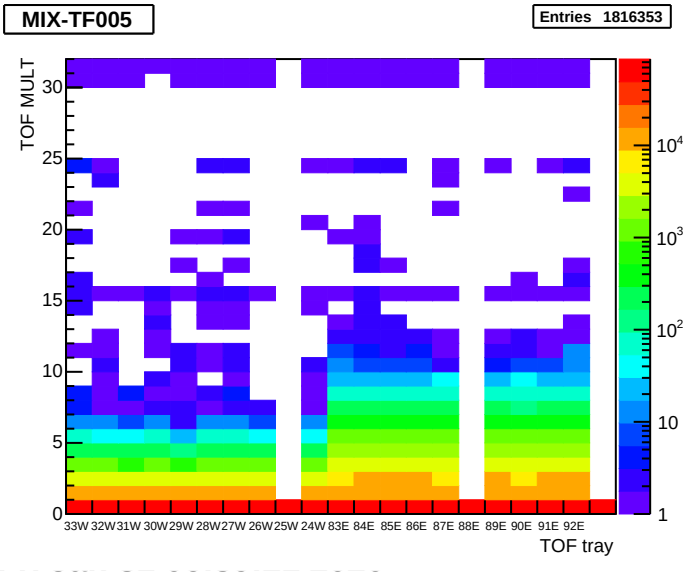

BunchId7Bit (TOFmult window)
Entries 17908
10^3
0 20 40 60 80 100 120

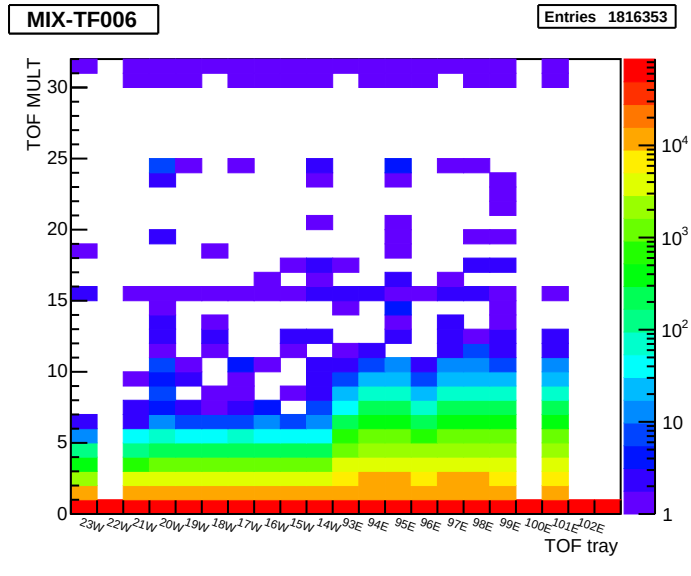

MIX-TF001
Entries 1816353
TOF MULT
TOF tray

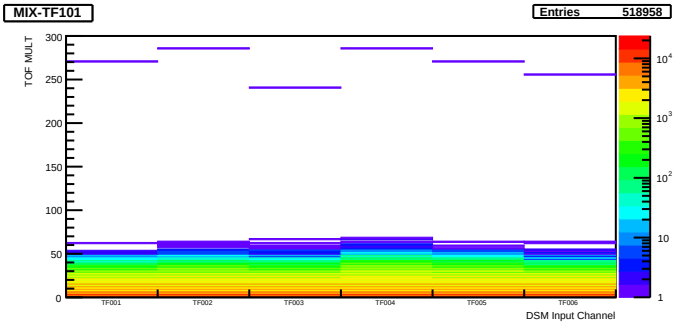

MIX-TF002
Entries 1816353
TOF MULT
TOF tray

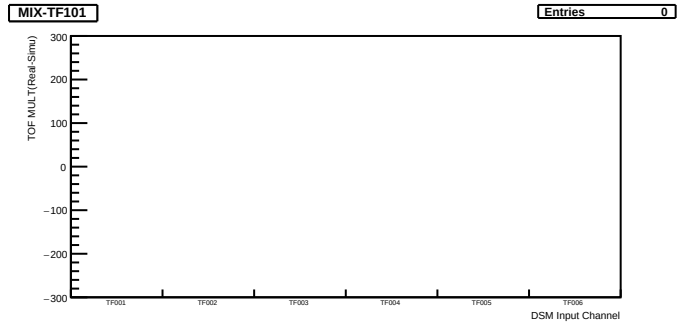

MIX-TF003
Entries 1816353
TOF MULT
TOF tray

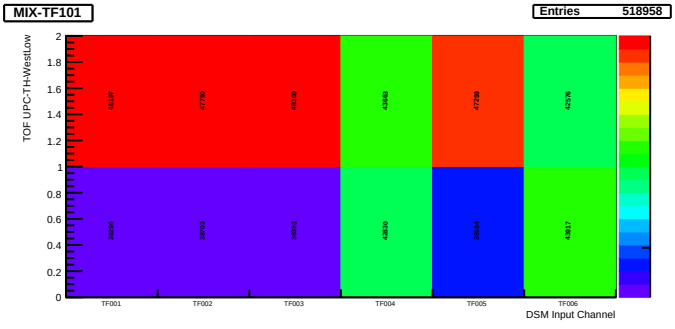

MIX-TF004
Entries 1816353
TOF MULT
TOF tray

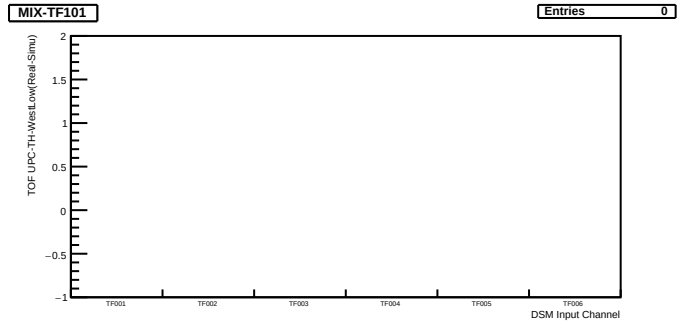

MIX-TF005
Entries 1816353
TOF MULT
TOF tray

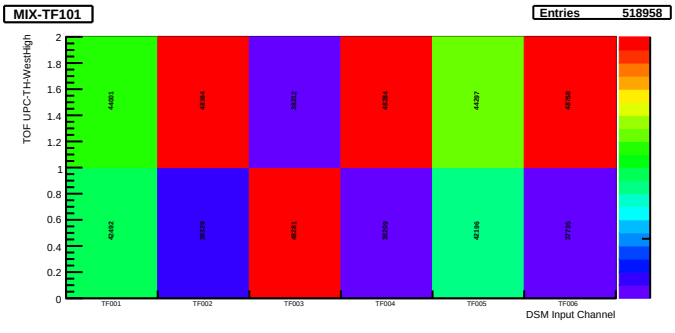

MIX-TF006
Entries 1816353
TOF MULT
TOF tray

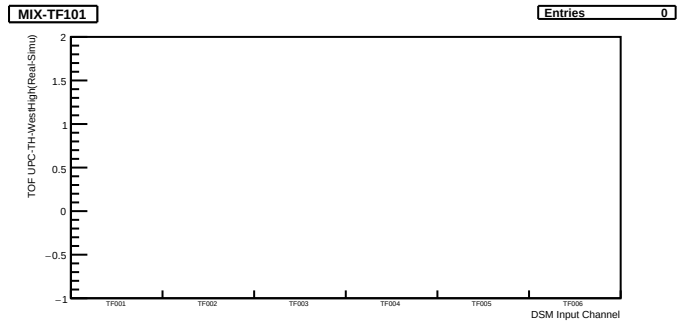

MIX-TF101
Entries 518958
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

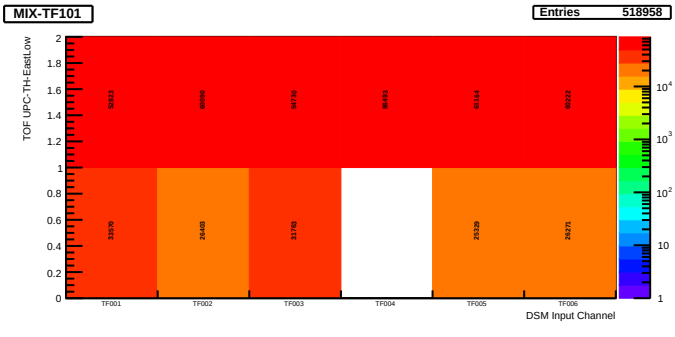

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

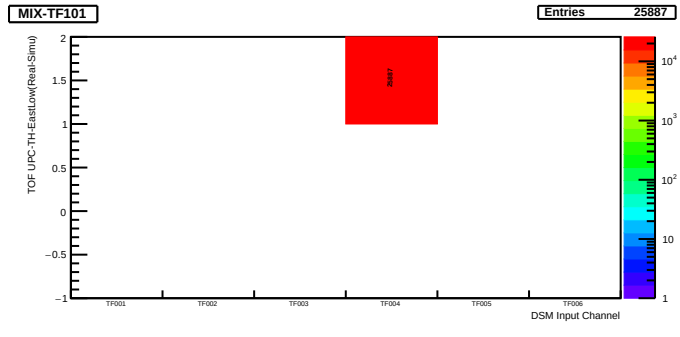

MIX-TF101
Entries 518958
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

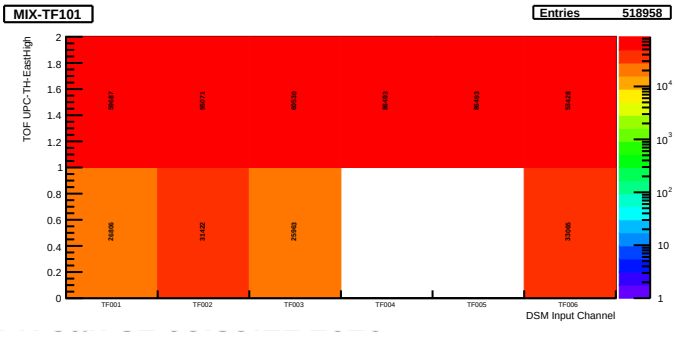

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

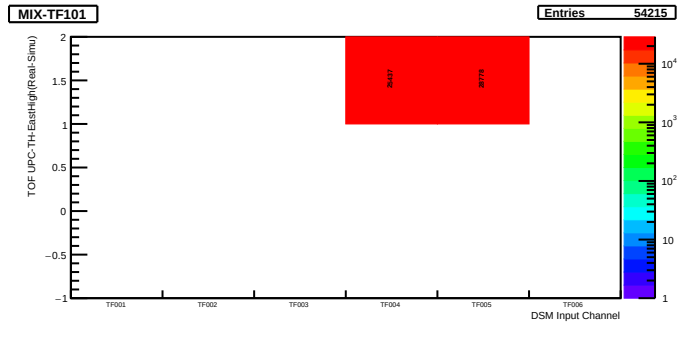

MIX-TF101
Entries 518958
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

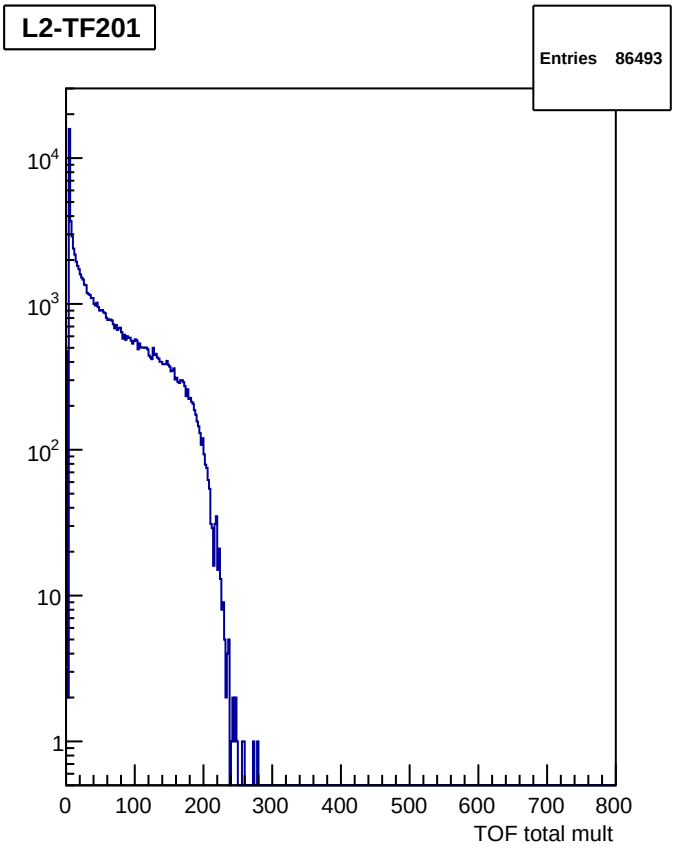

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

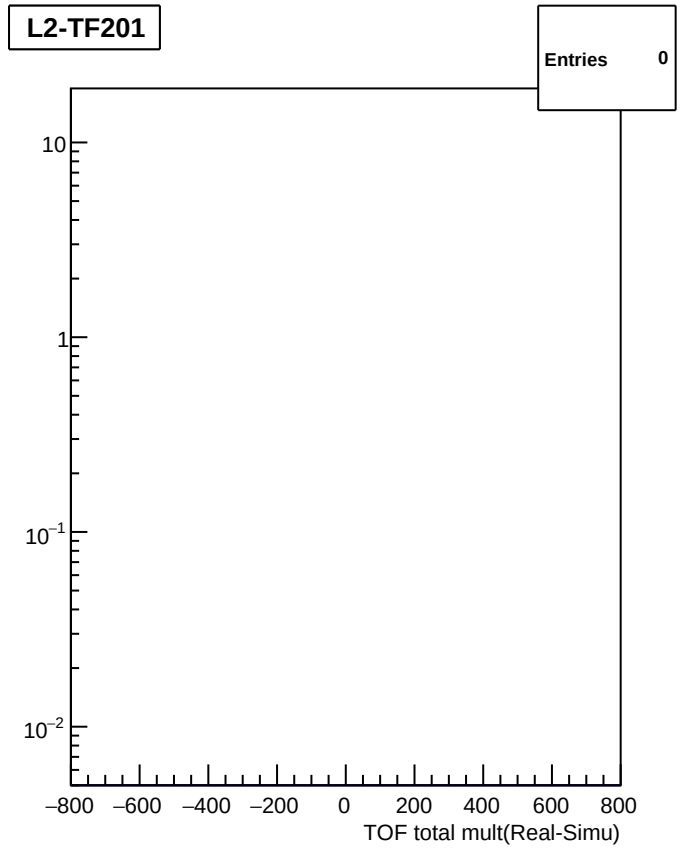

MIX-TF101
Entries 518958
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

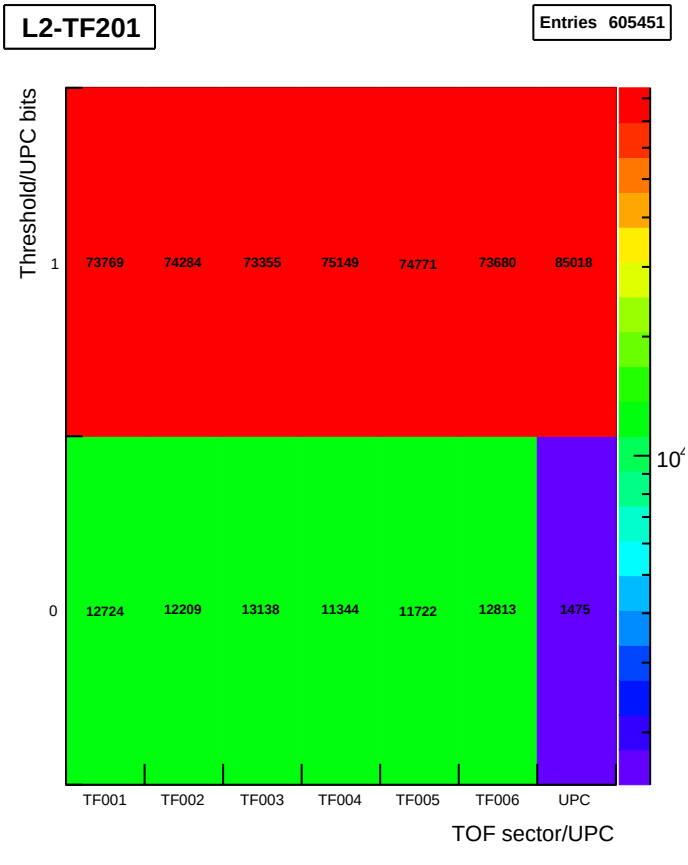

MIX-TF101
Entries 25887
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

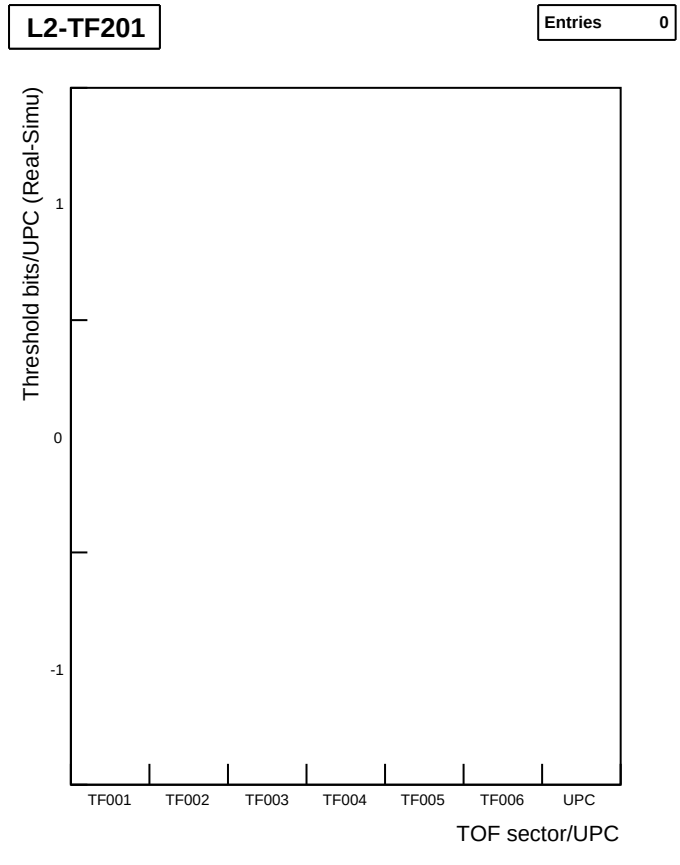

MIX-TF101
Entries 518958
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

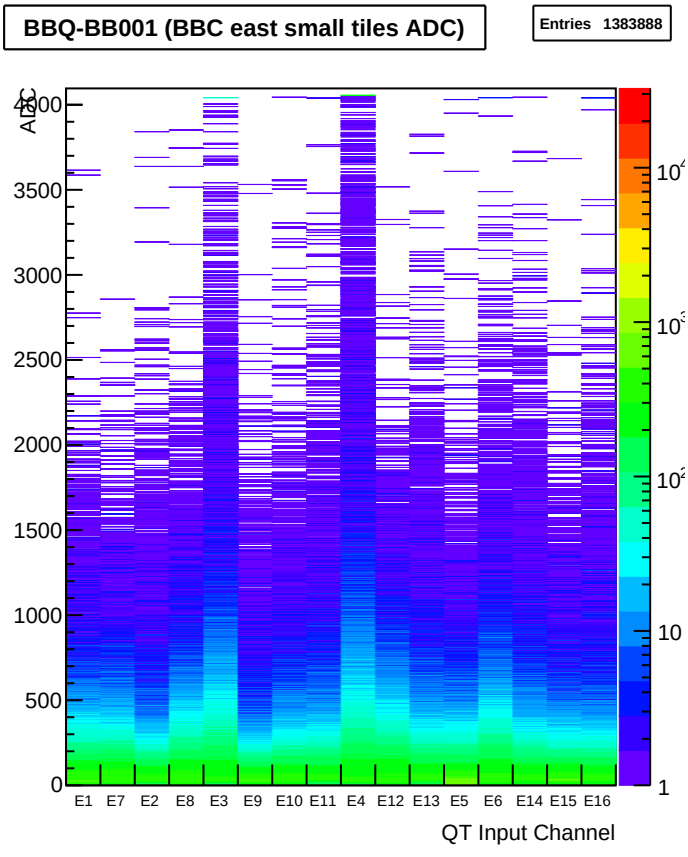

MIX-TF101
Entries 54215
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

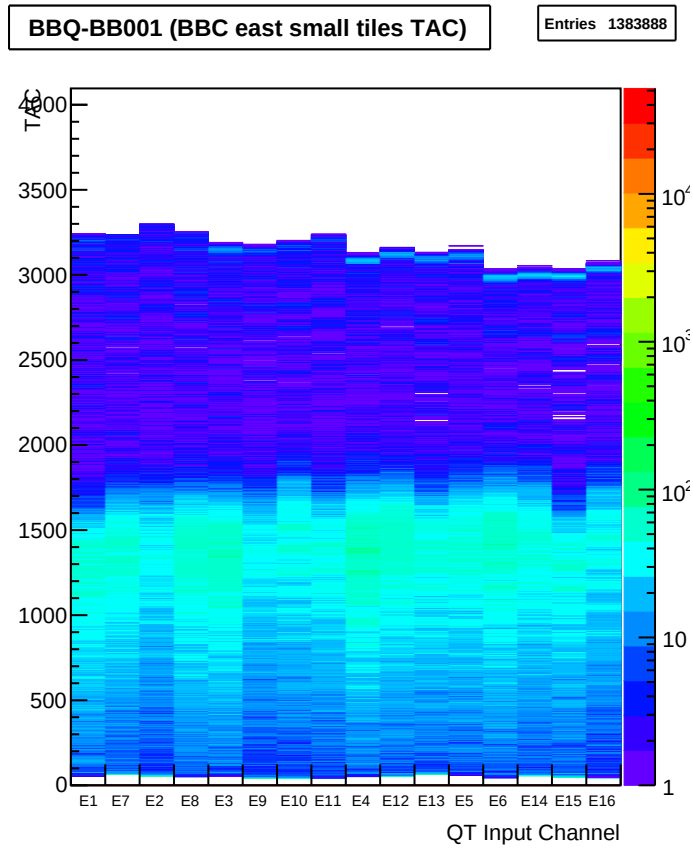

L2-TF201
Entries 86493
TOF total mult

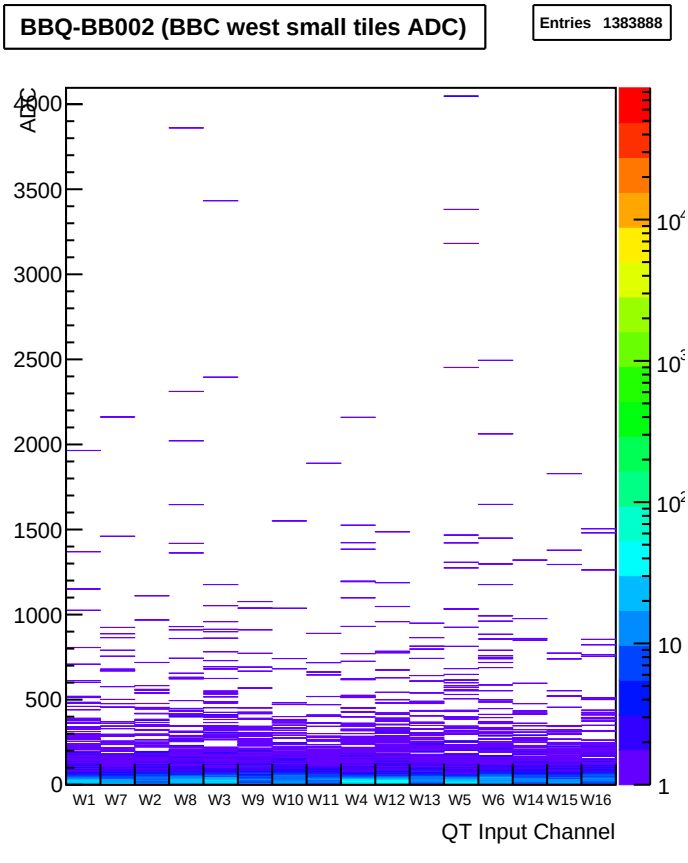

L2-TF201
Entries 0
TOF total mult(Real-Simu)

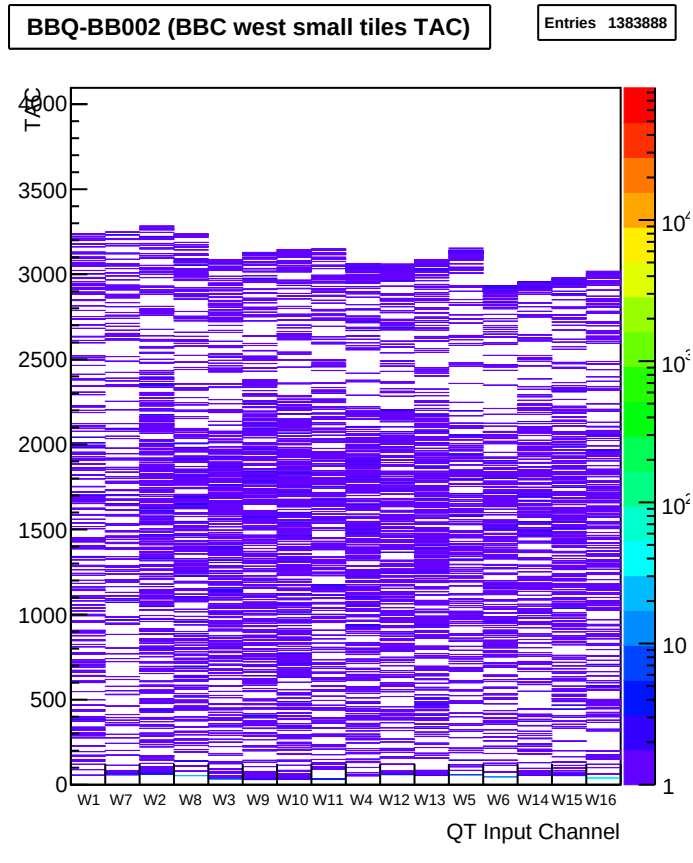

L2-TF201
Entries 605451
Threshold/UPC bits
73769
74284
73355
75149
74771
73680
85018
12724
12209
13138
11344
11722
12813
1475
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

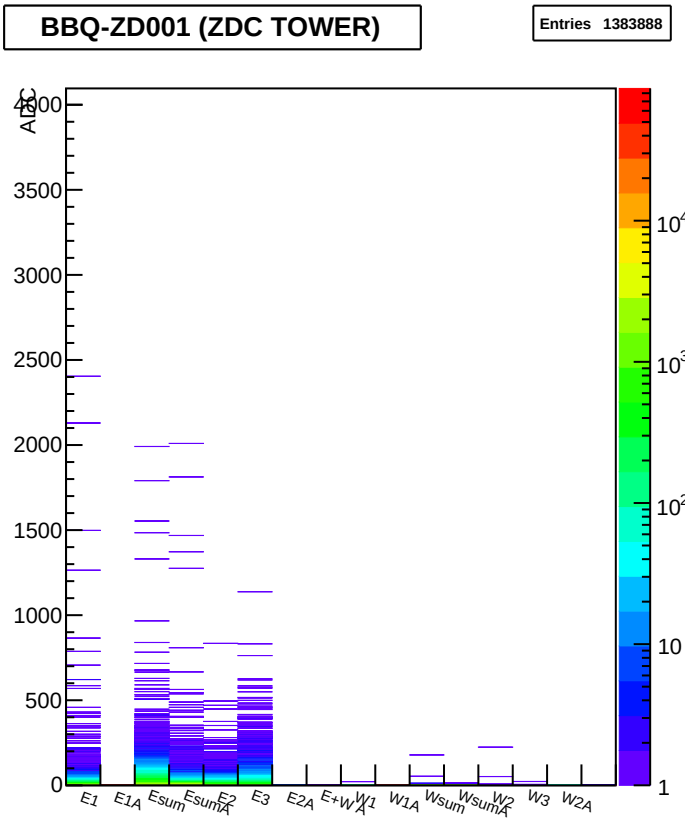

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

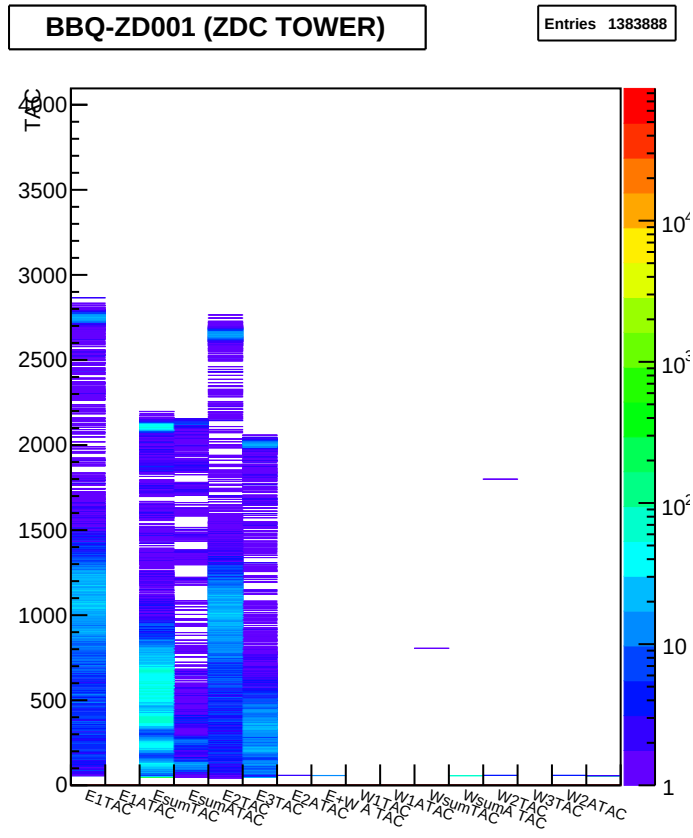

BBQ-BB001 (BBC east small tiles ADC)
Entries 1383888
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

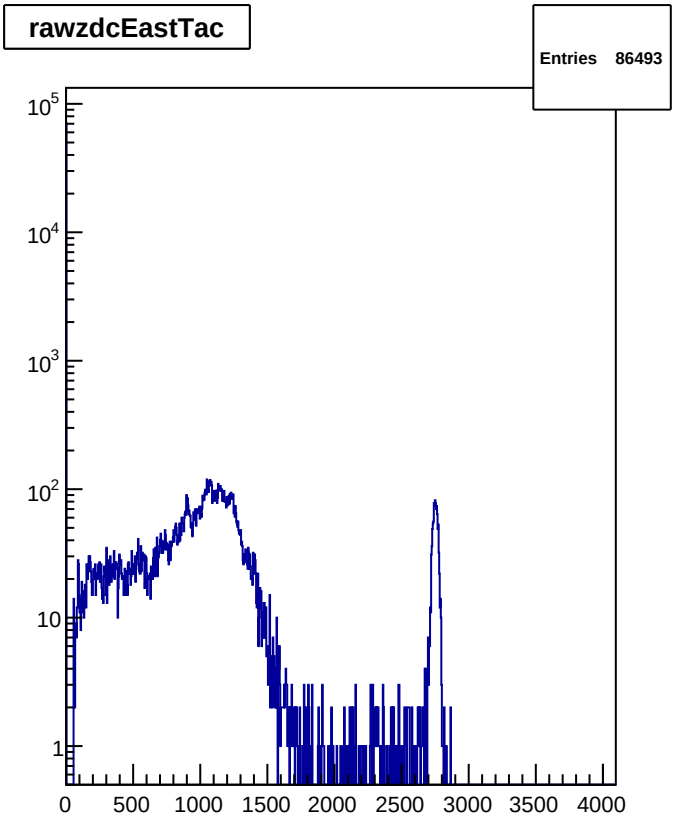

BBQ-BB001 (BBC east small tiles TAC)
Entries 1383888
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

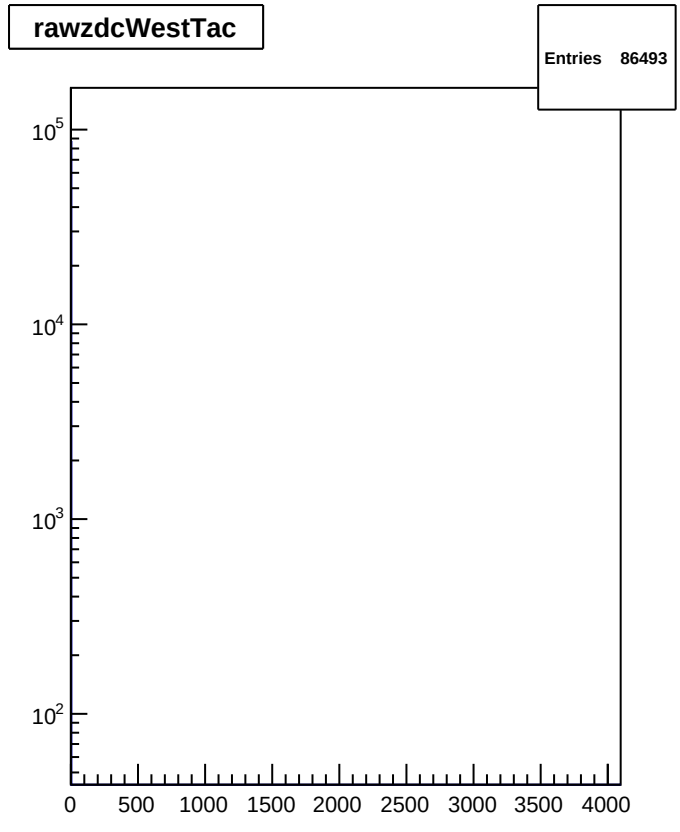

BBQ-BB002 (BBC west small tiles ADC)
Entries 1383888
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

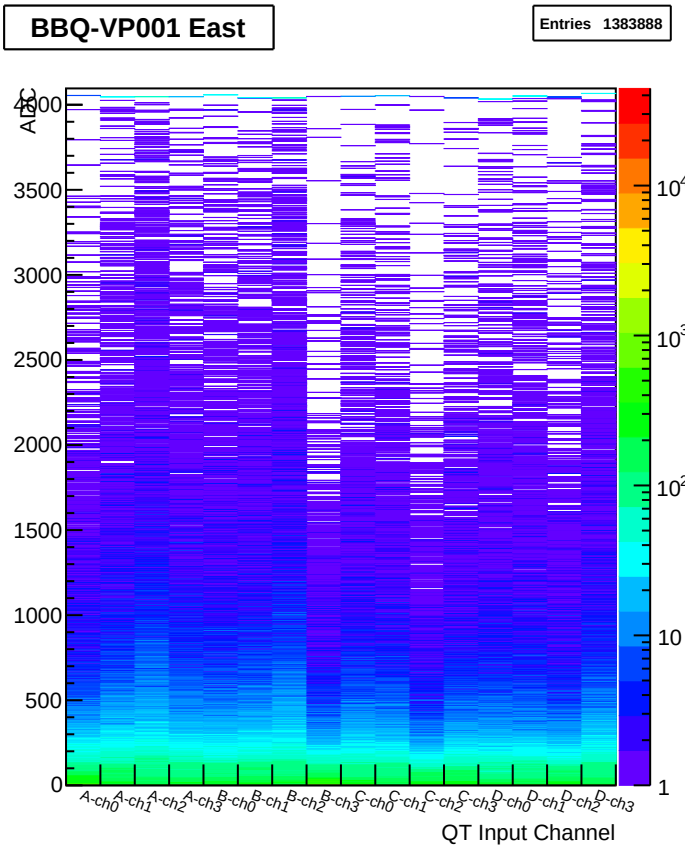

BBQ-BB002 (BBC west small tiles TAC)
Entries 1383888
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

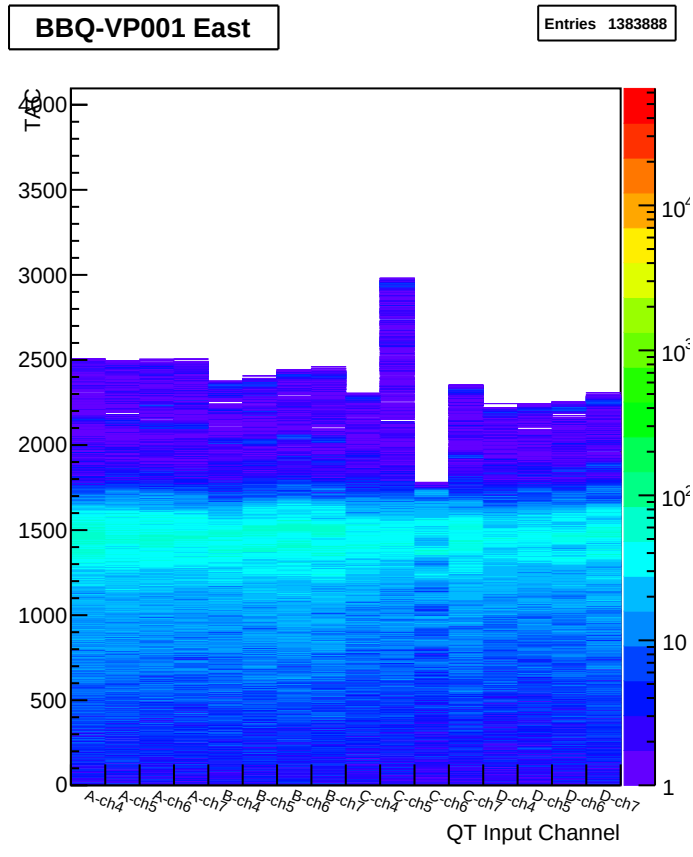

BBQ-ZD001 (ZDC TOWER)
Entries 1383888
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

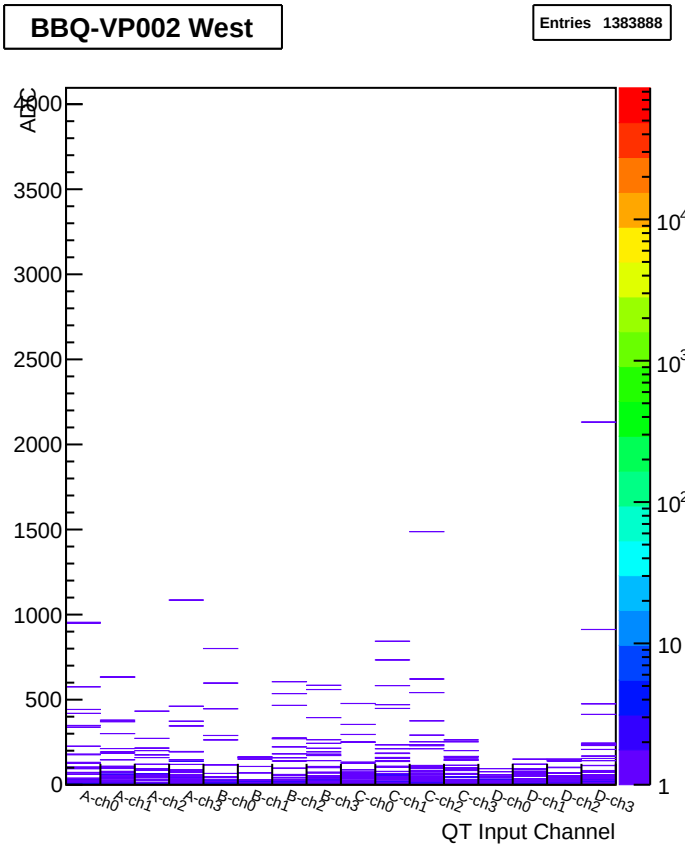

BBQ-ZD001 (ZDC TOWER)
Entries 1383888
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

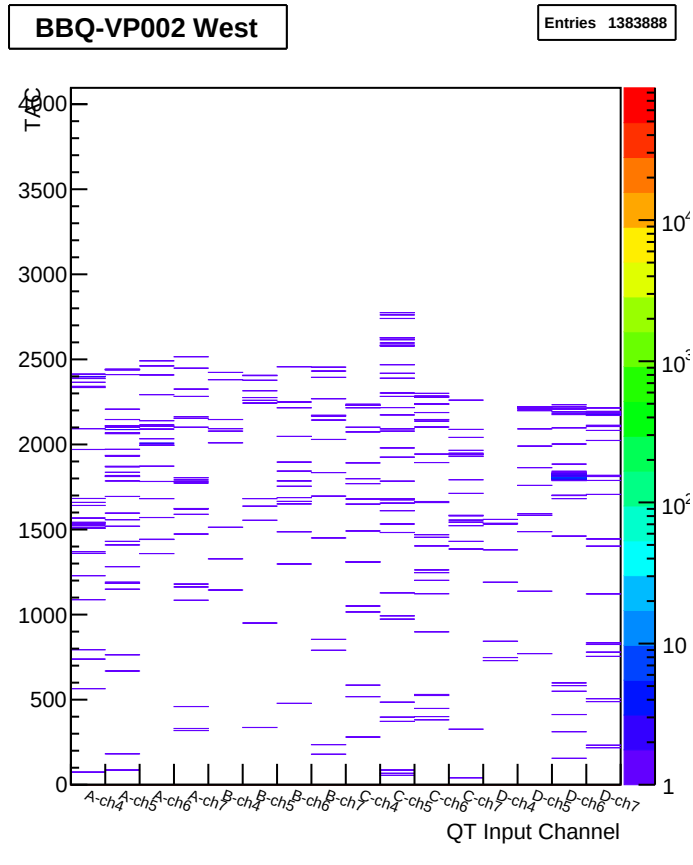

rawzdcEastTac
Entries 86493

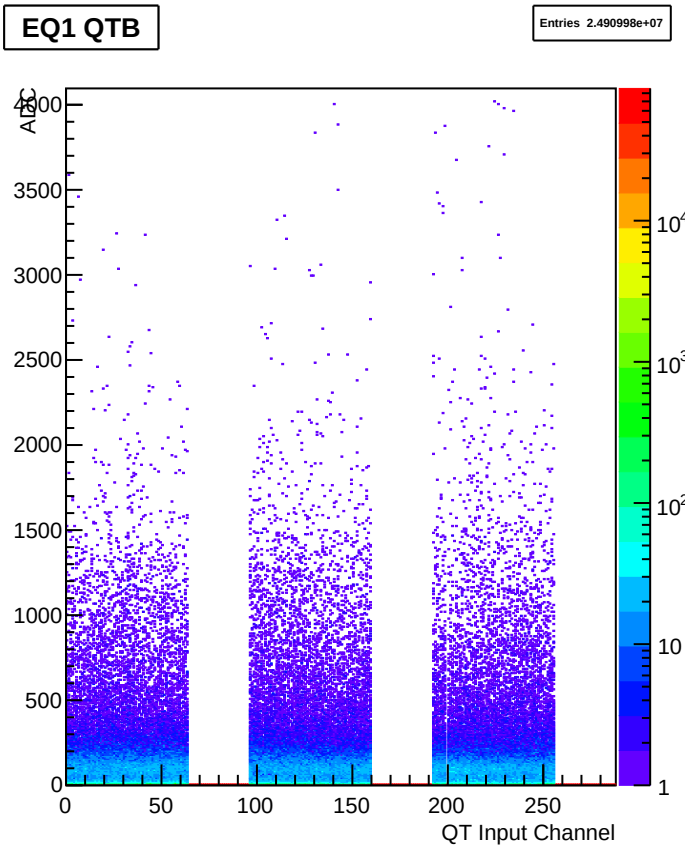

rawzdcWestTac
Entries 86493

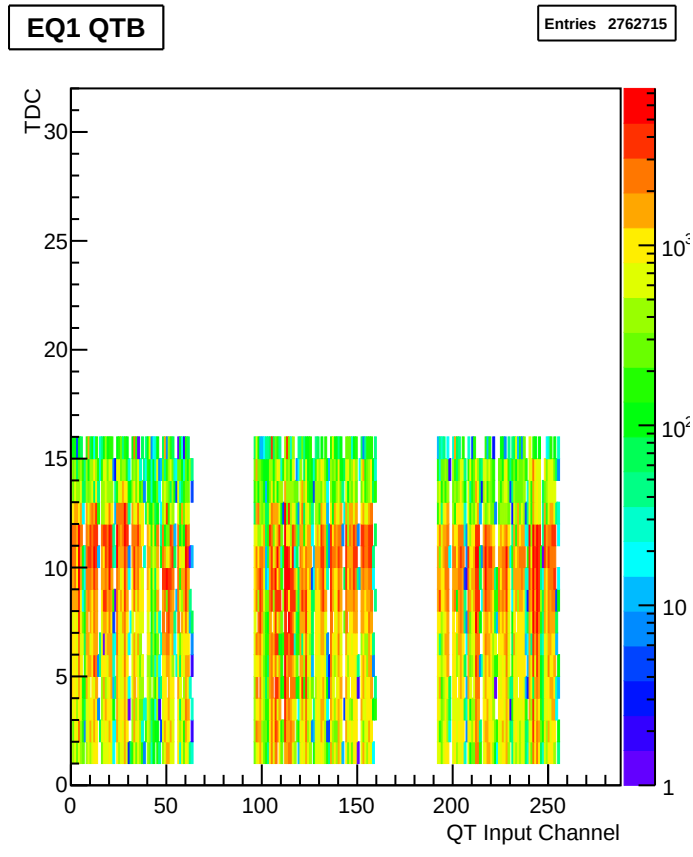

BBQ-VP001 East
Entries 1383888
ADC
QT Input Channel

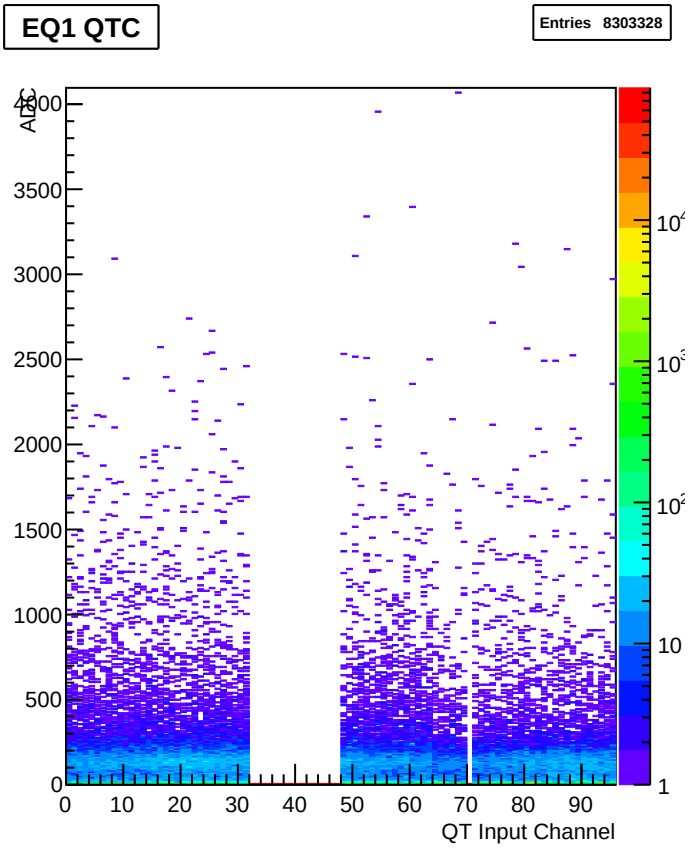

BBQ-VP001 East
Entries 1383888
ADC
QT Input Channel

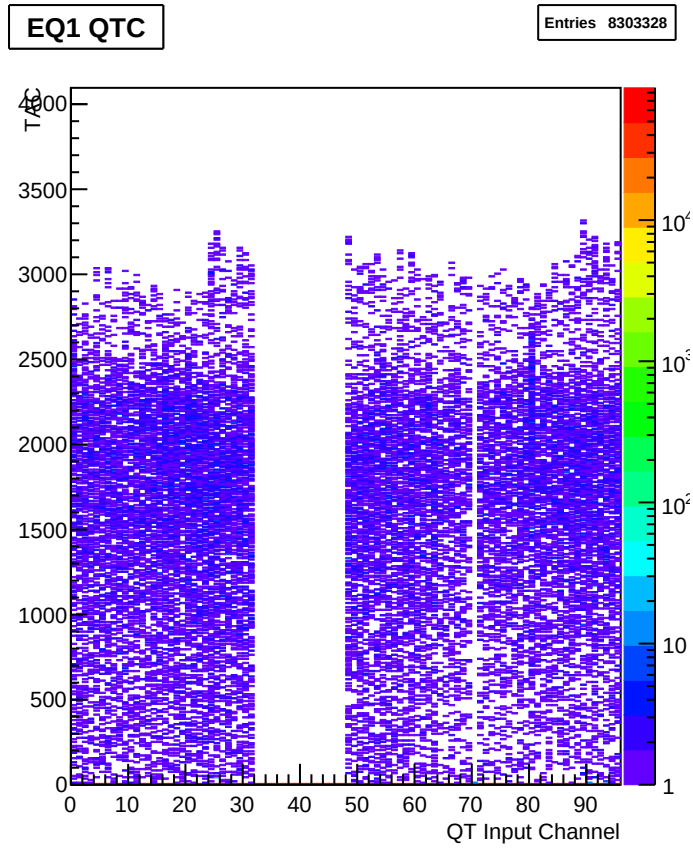

BBQ-VP002 West
Entries 1383888
ADC
QT Input Channel

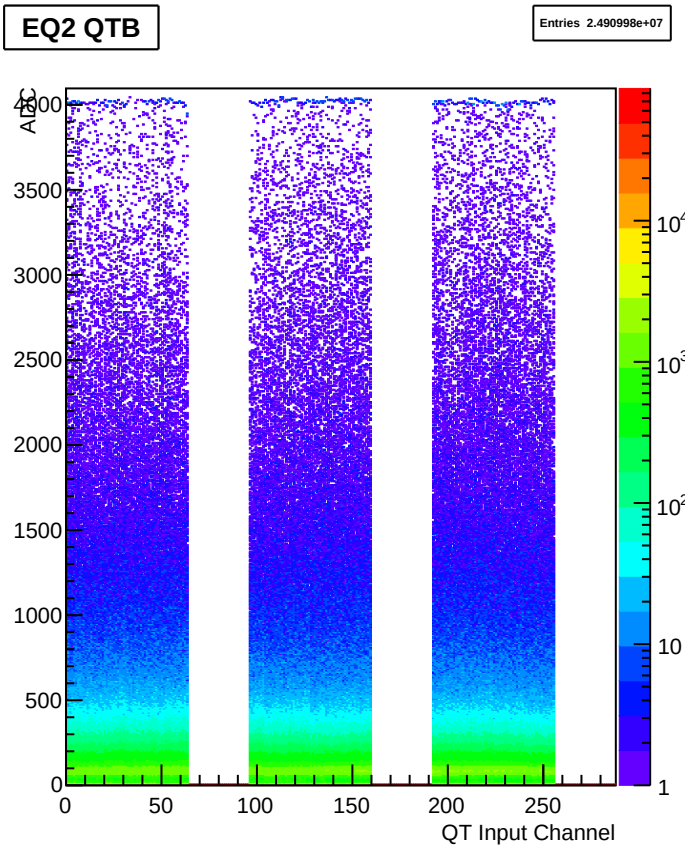

BBQ-VP002 West
Entries 1383888
ADC
QT Input Channel

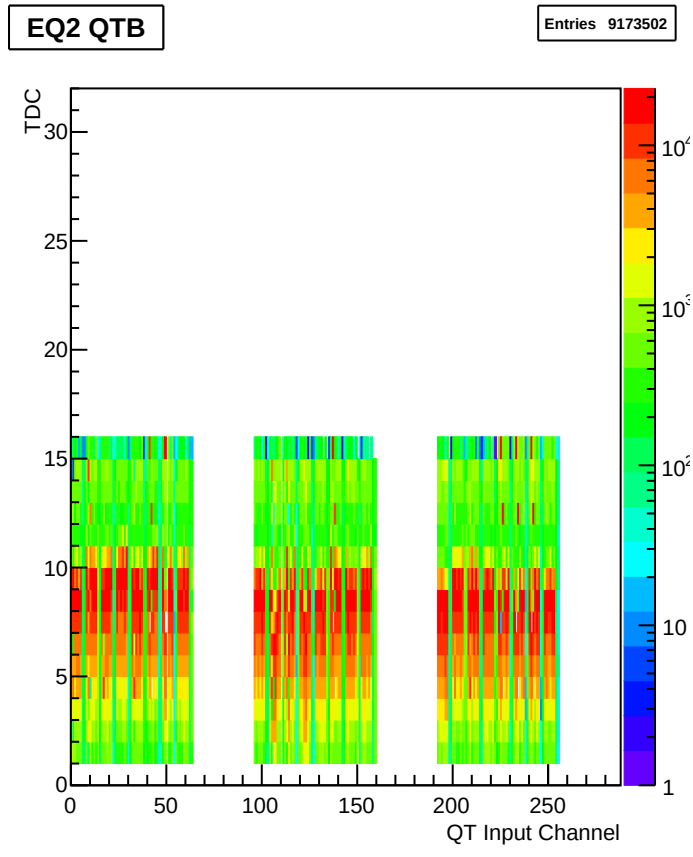

EQ1 QTB
Entries 2.490998e+07
ADC
QT Input Channel

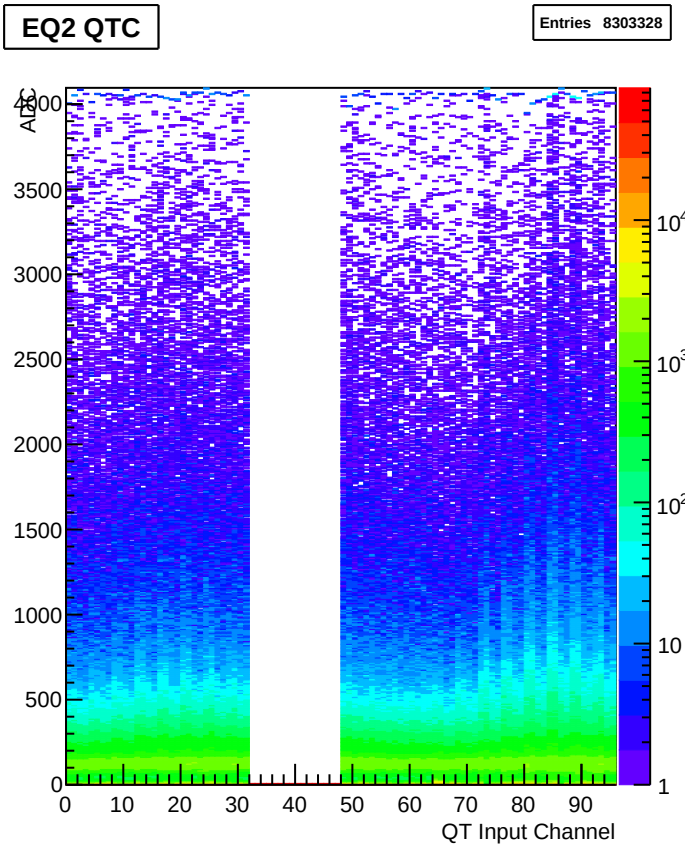

EQ1 QTB
Entries 2762715
TDC
QT Input Channel

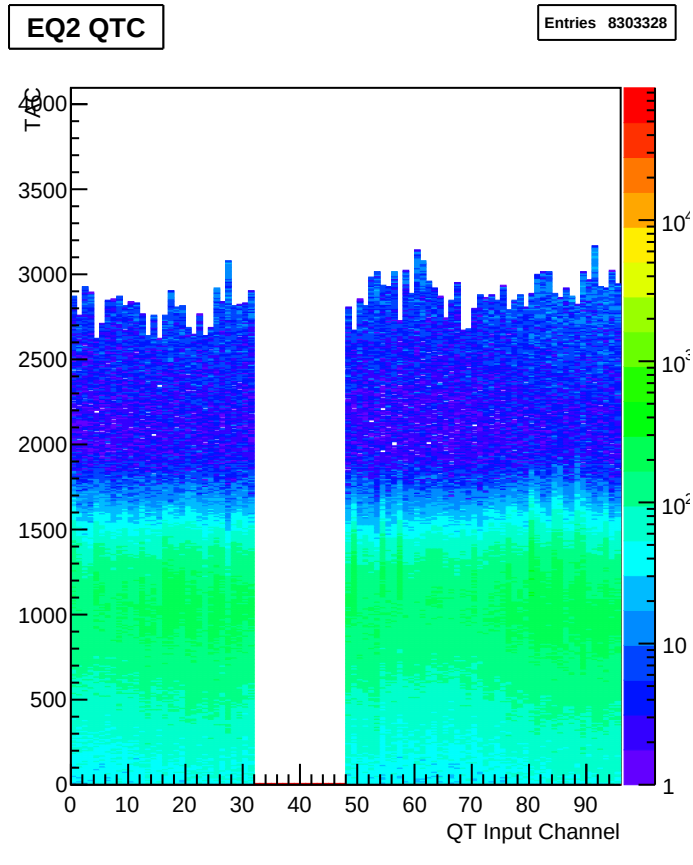

EQ1 QTC
Entries 8303328
ADC
QT Input Channel

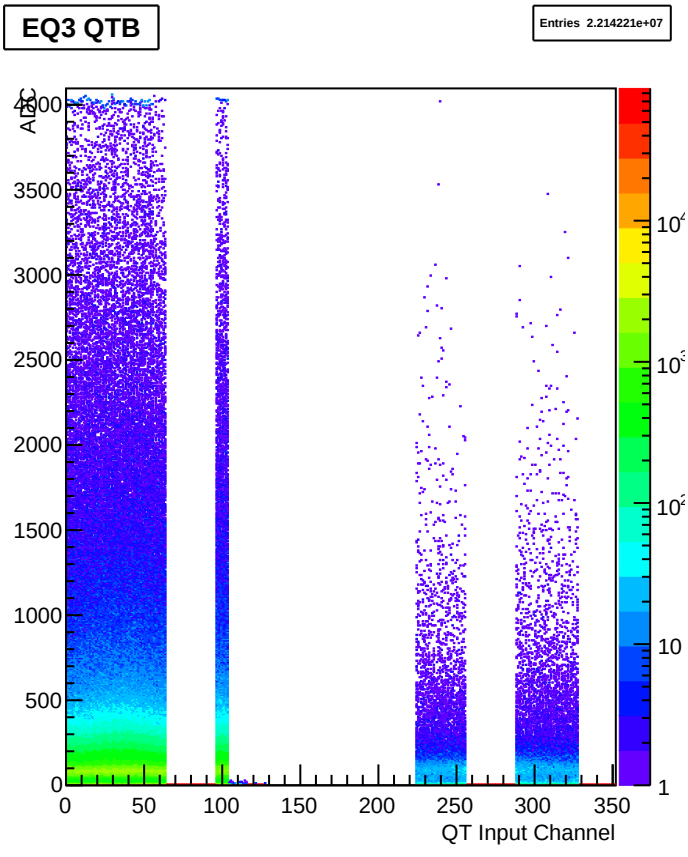

EQ1 QTC
Entries 8303328
TADC
QT Input Channel

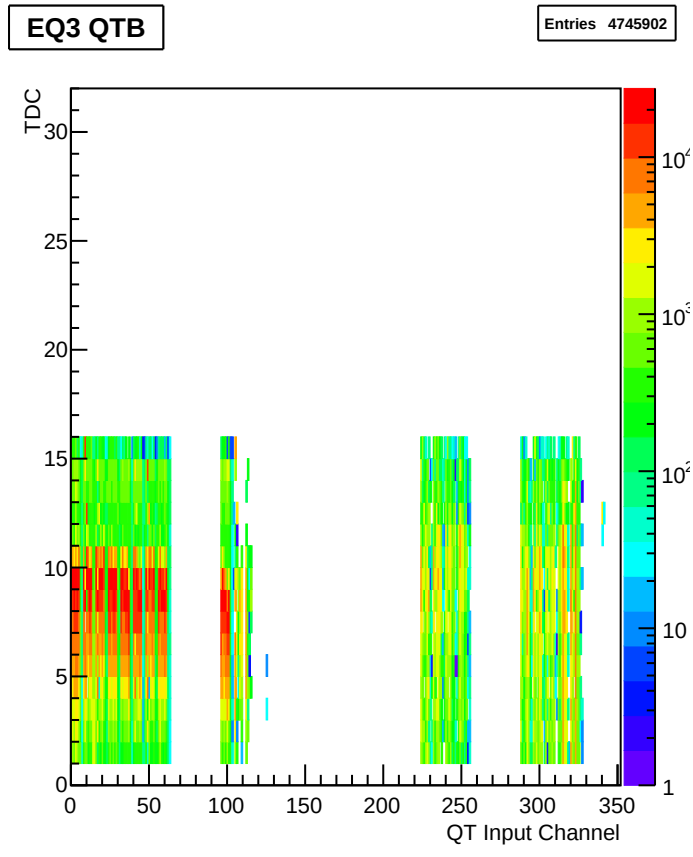

EQ2 QTB
Entries 2.490998e+07
ADC
QT Input Channel

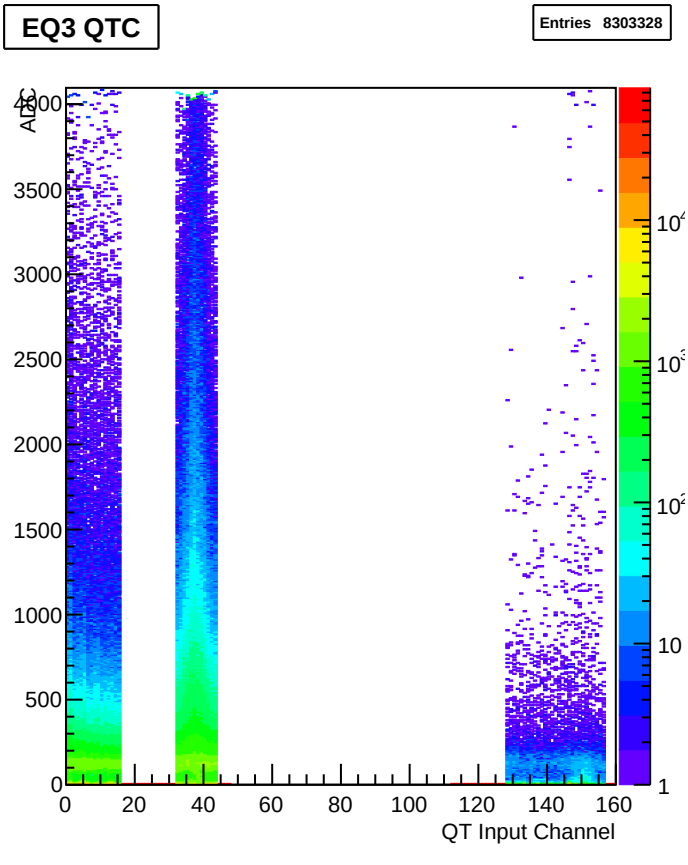

EQ2 QTB
Entries 9173502
TDC
QT Input Channel

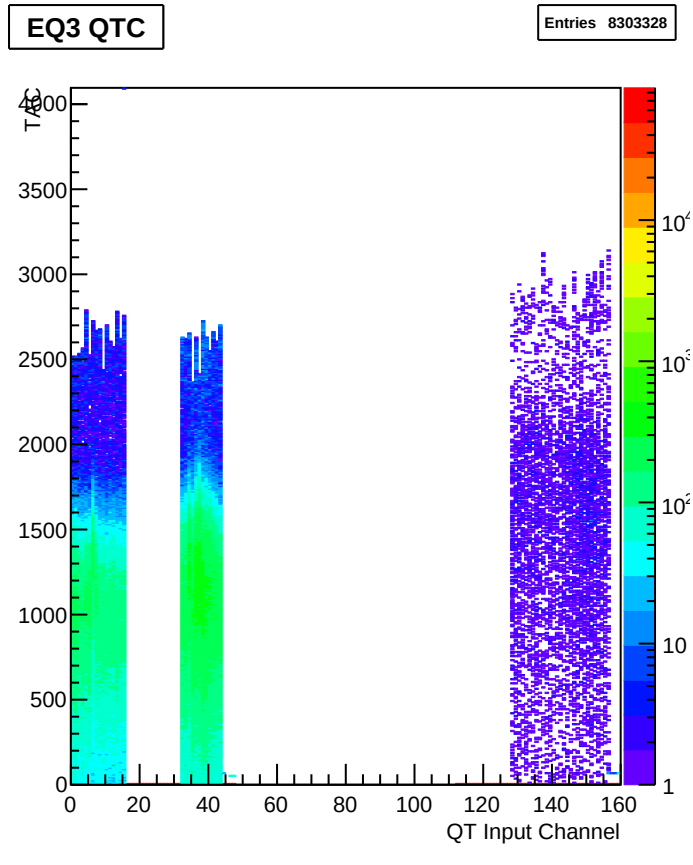

EQ2 QTC
Entries 8303328
ADC
QT Input Channel


EQ2 QTC
Entries 8303328
TADC
QT Input Channel


EQ3 QTB
Entries 2.214221e+07
ADC
QT Input Channel


EQ3 QTB
Entries 4745902
TDC
QT Input Channel


EQ3 QTC
Entries 8303328
ADC
QT Input Channel


EQ3 QTC
Entries 8303328
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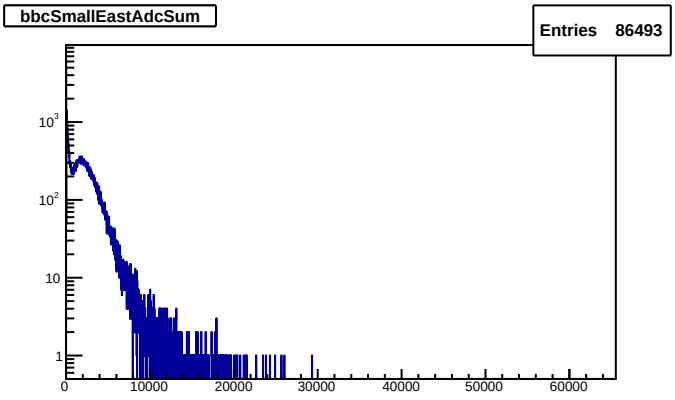
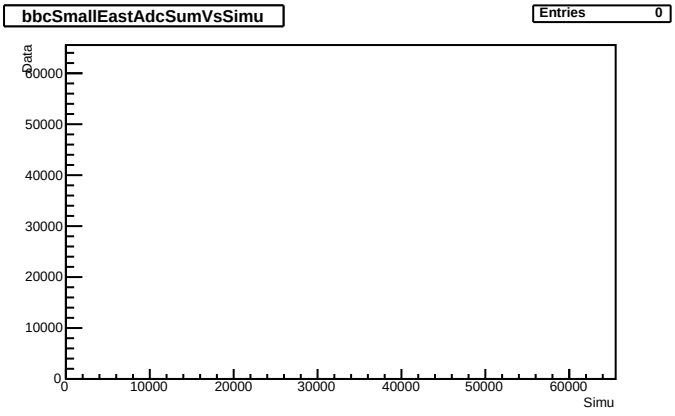
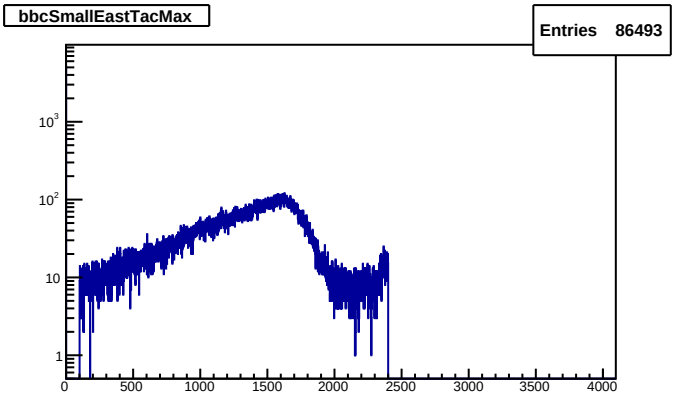
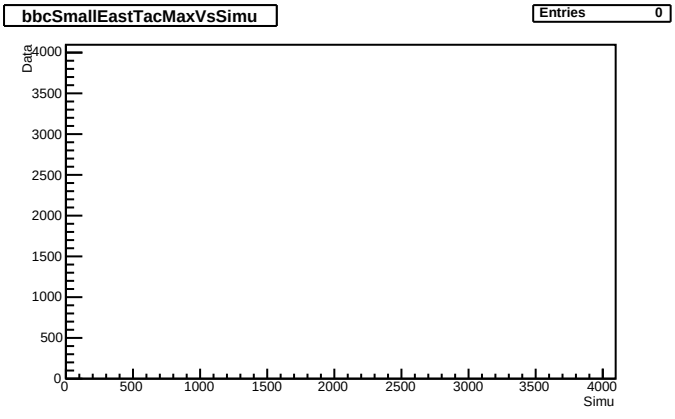
QT Input Channel


bbcSmallEastAdcSum
Entries 86493


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 86493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Data
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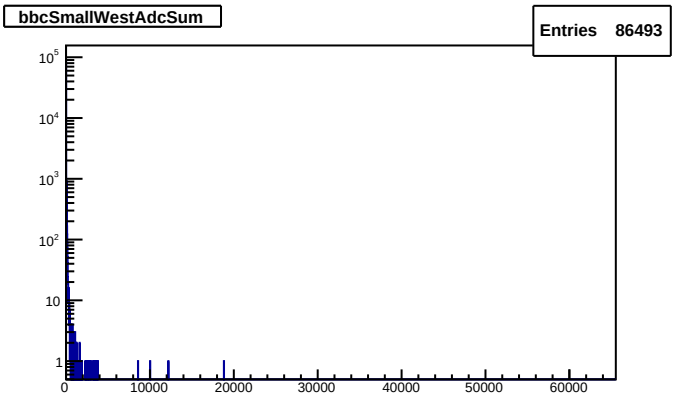
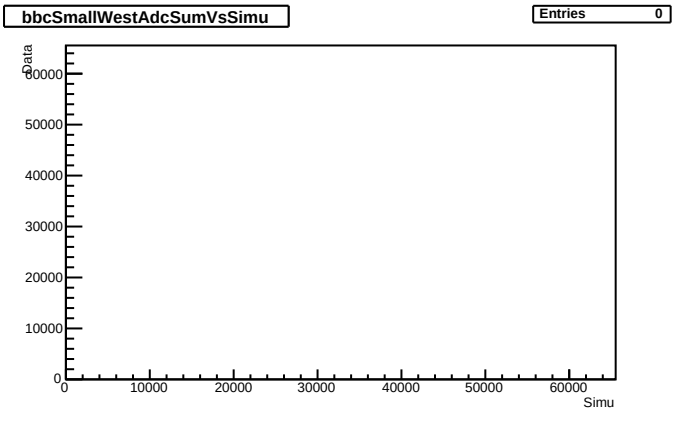

bbcSmallWestAdcSum
Entries 86493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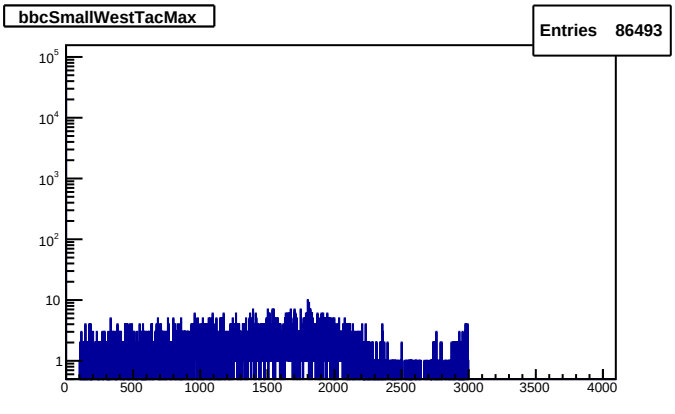
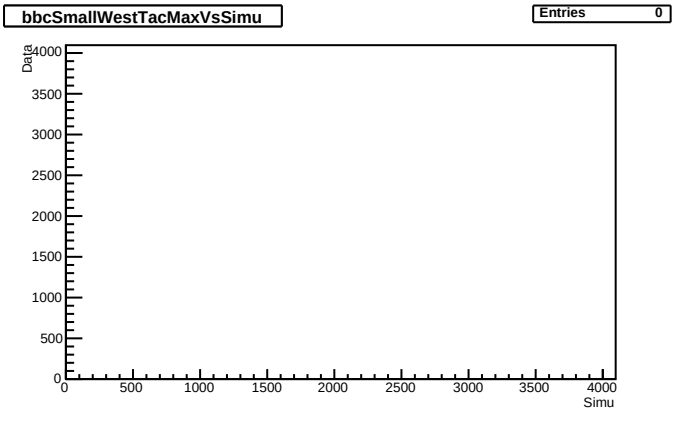
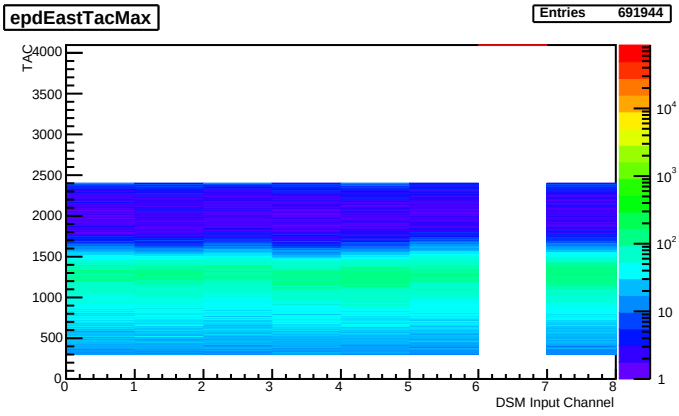
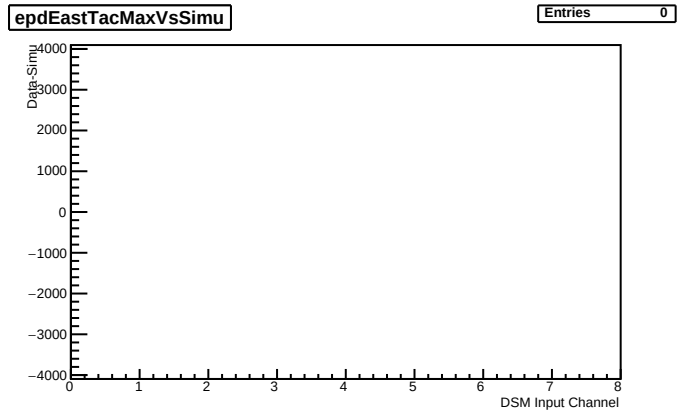
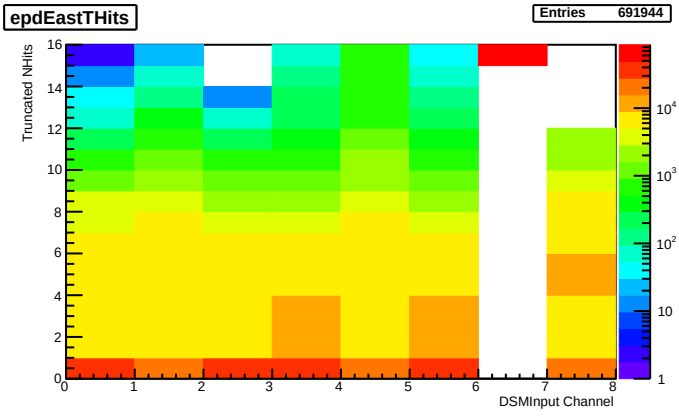
Entries 0
Data
Simu

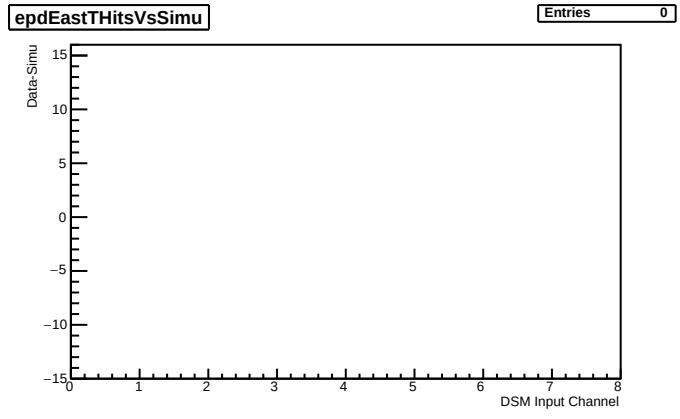

bbcSmallWestTacMax
Entries 86493


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 691944
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 691944
Truncated NHits
DSMInput Channel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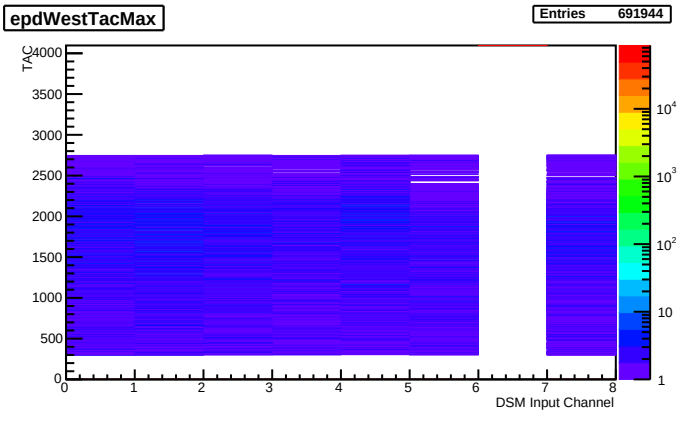
Data-Simu
DSM Input Channel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Entries 691944
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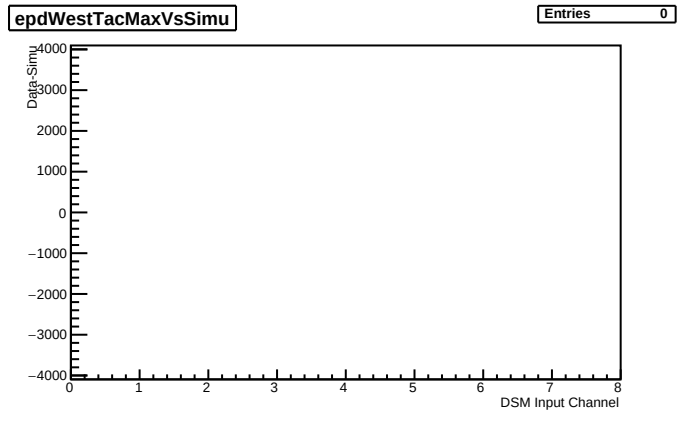
DSM Input Channel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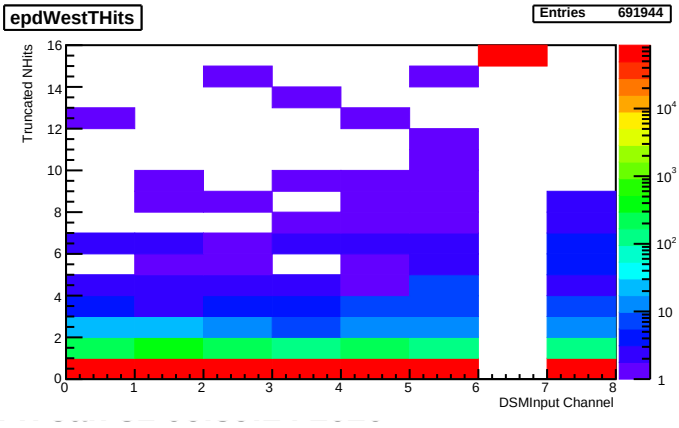
Entries 0
Data-Simu
DSM Input Channel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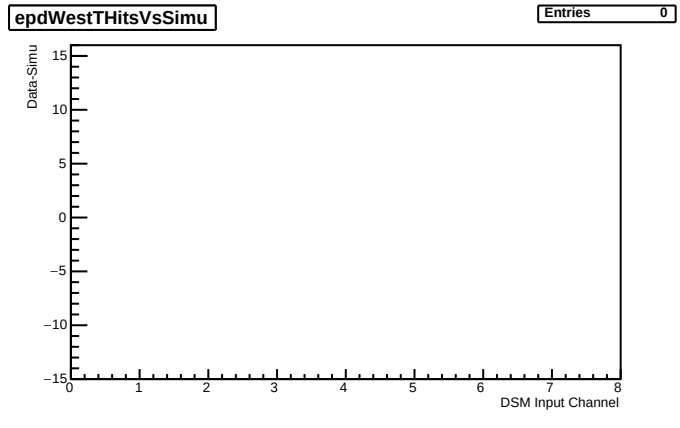
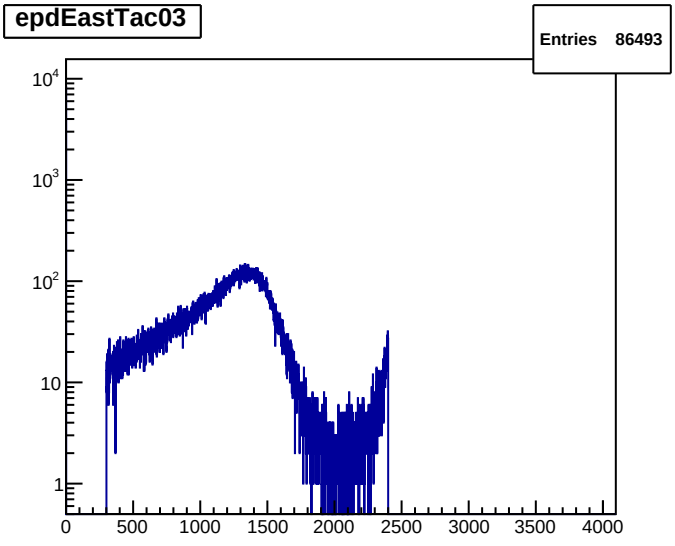
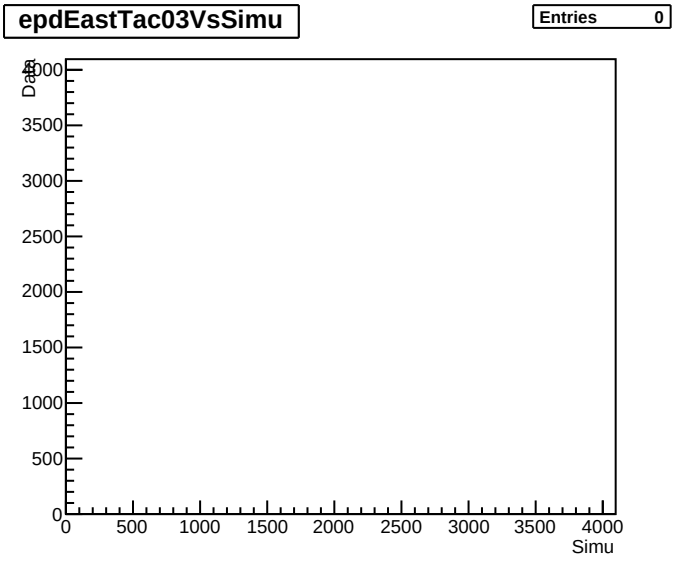
Entries 691944
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 86493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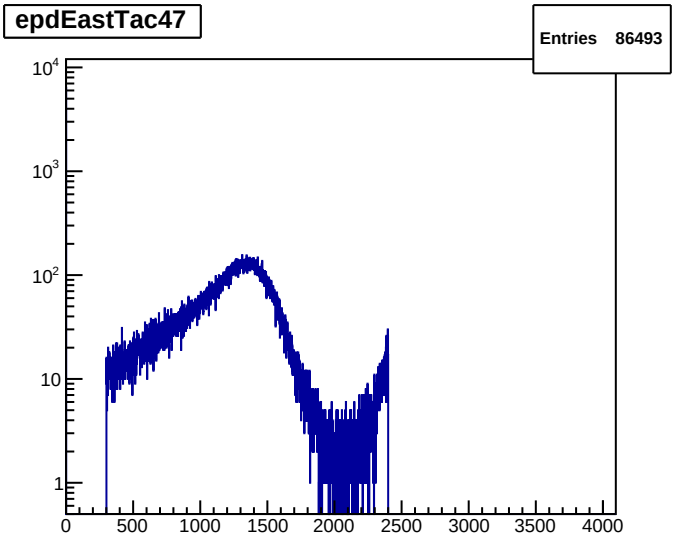
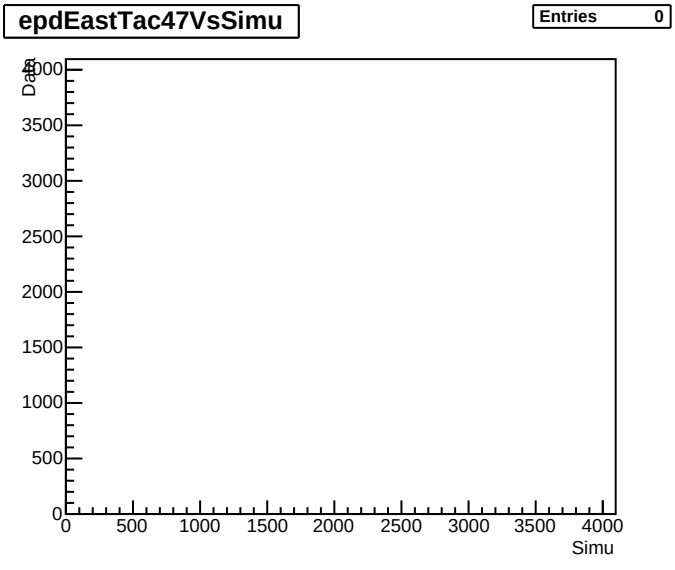
Entries 0
Data
Simu


epdEastTac47
Entries 86493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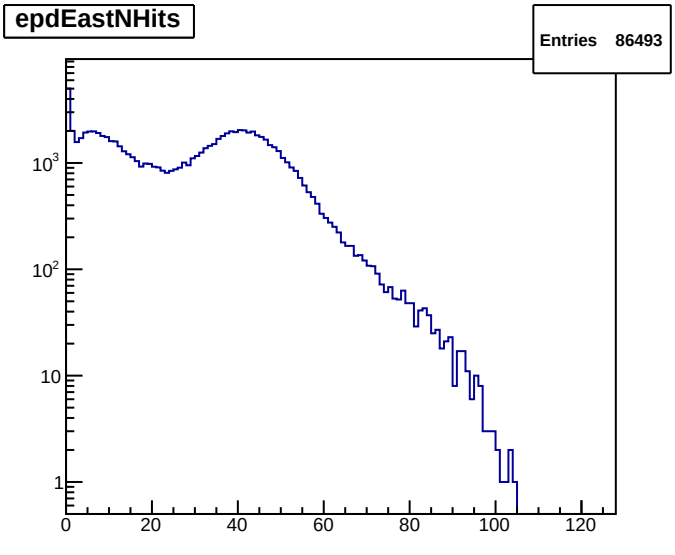
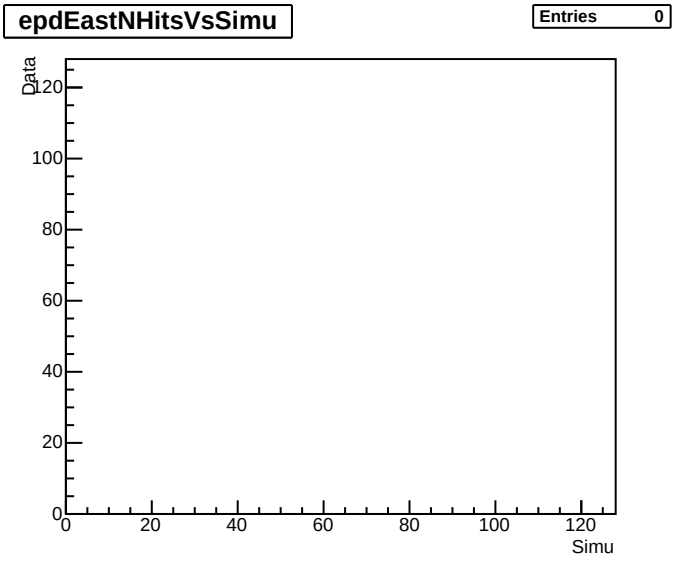
Entries 0
Data
Simu


epdEastNHits
Entries 86493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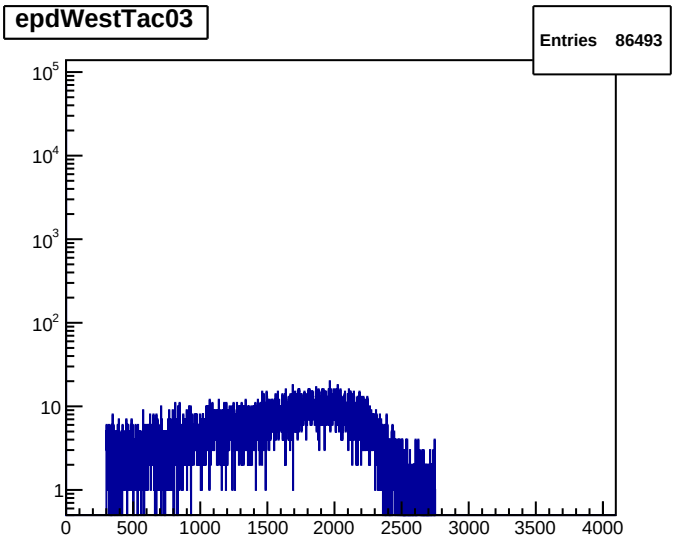
Entries 0
Data
Simu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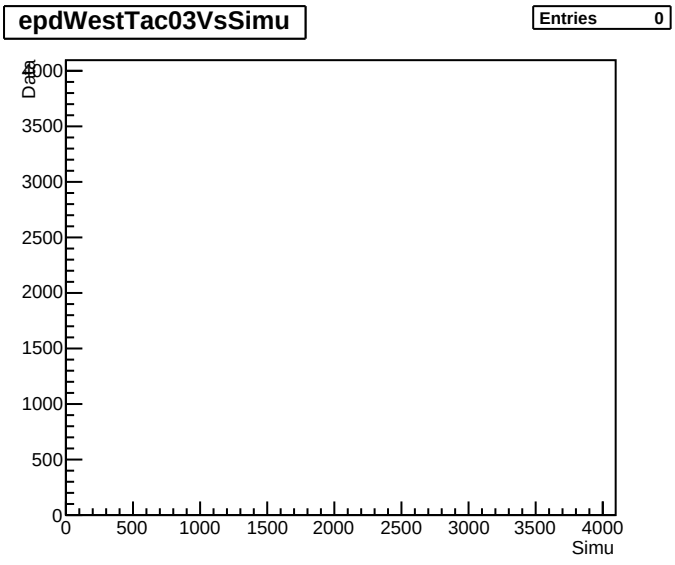
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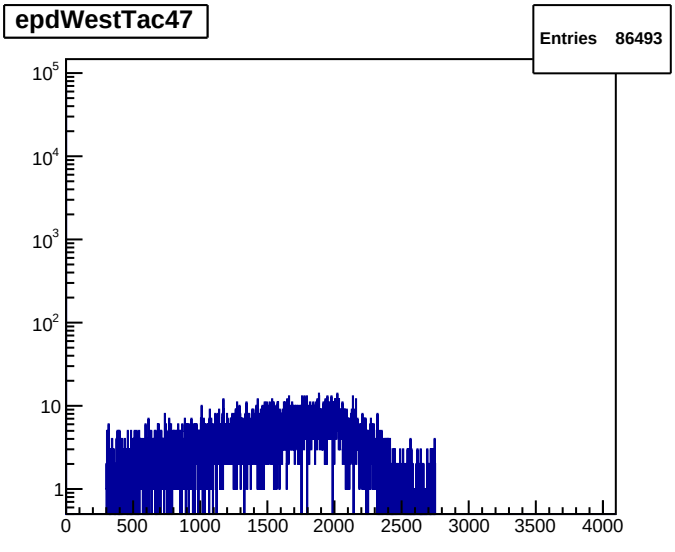
Entries 0
Data
Simu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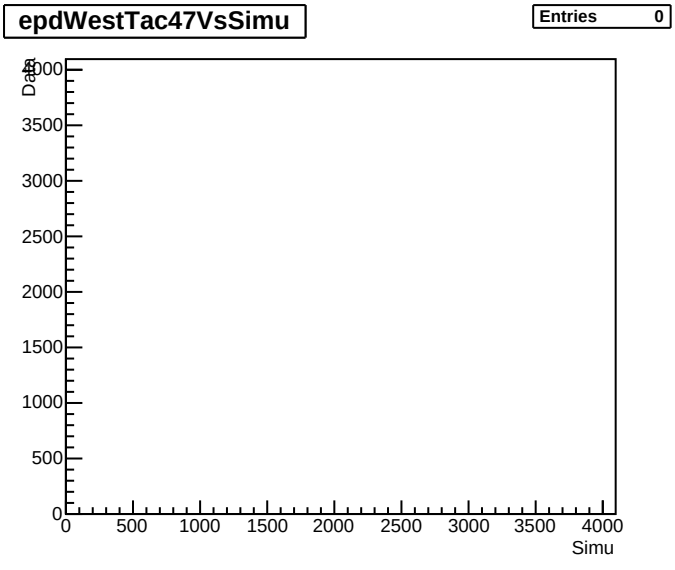
Entries 86493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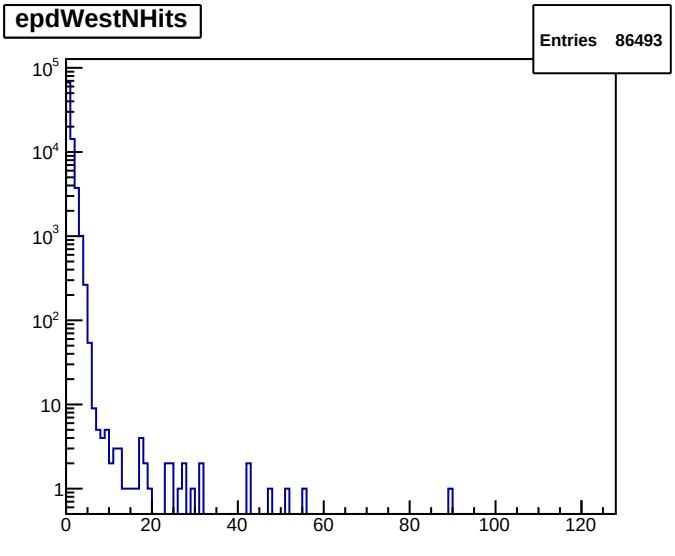
Entries 0
Data
Simu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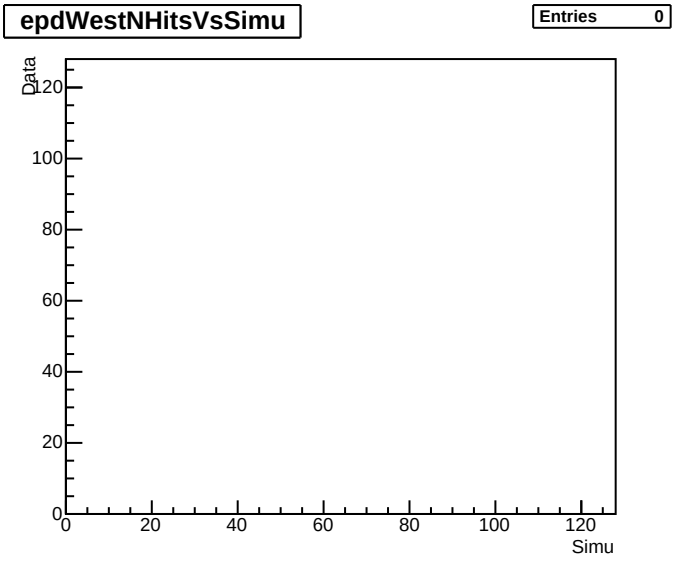
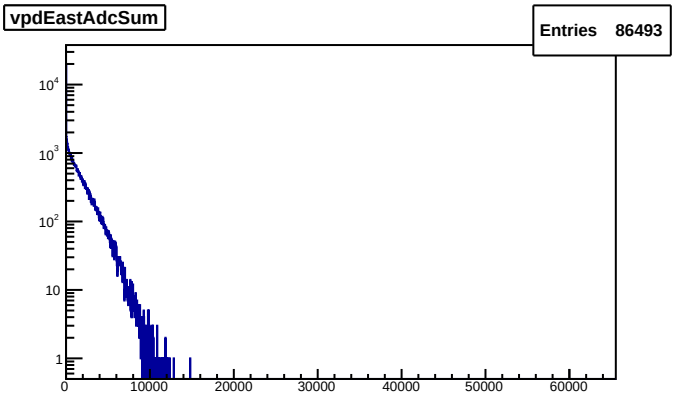
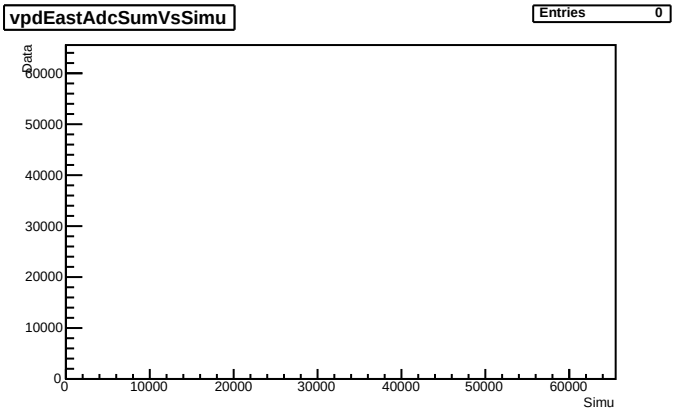
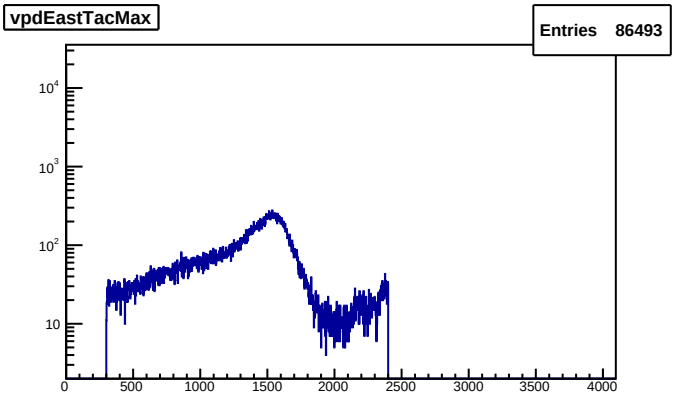
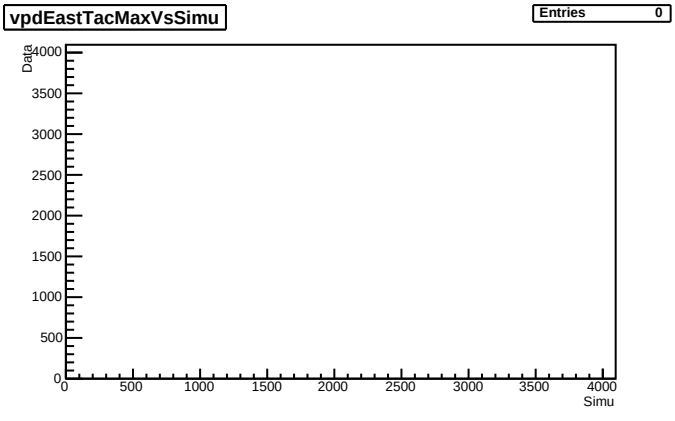
Entries 86493


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 86493


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 86493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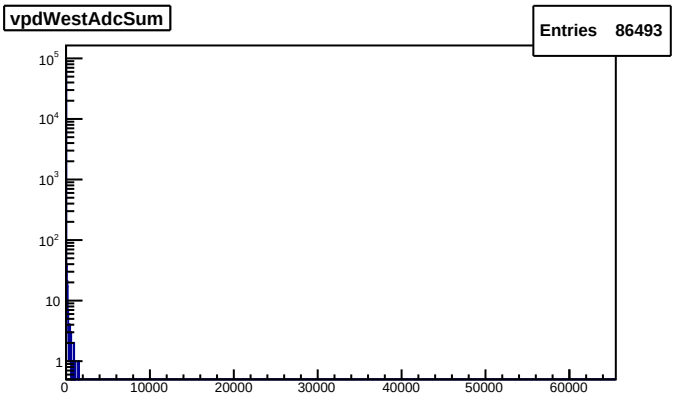
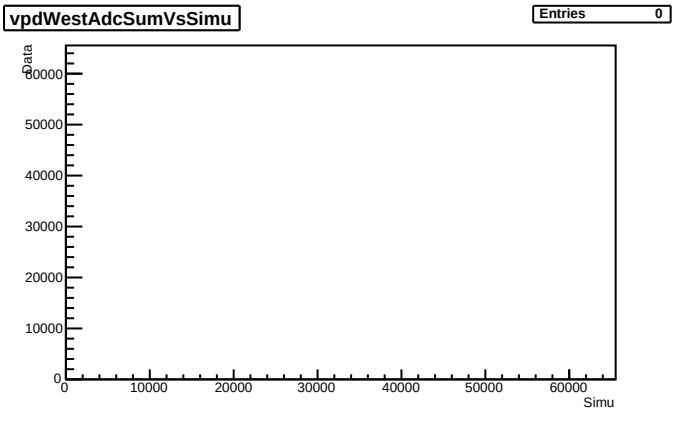
Entries 0
Data
Simu


vpdWestAdcSum
Entries 86493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Entries 0
Data
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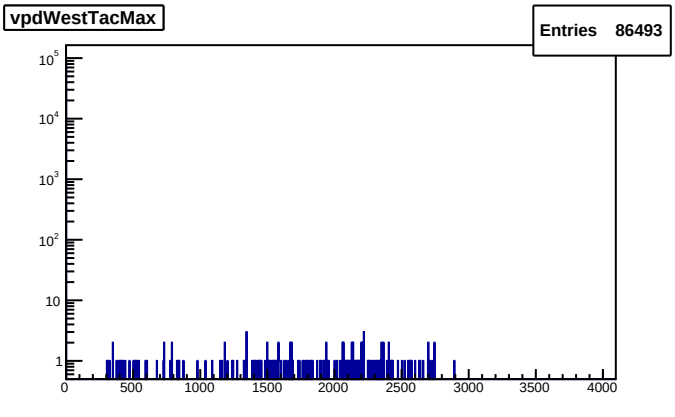
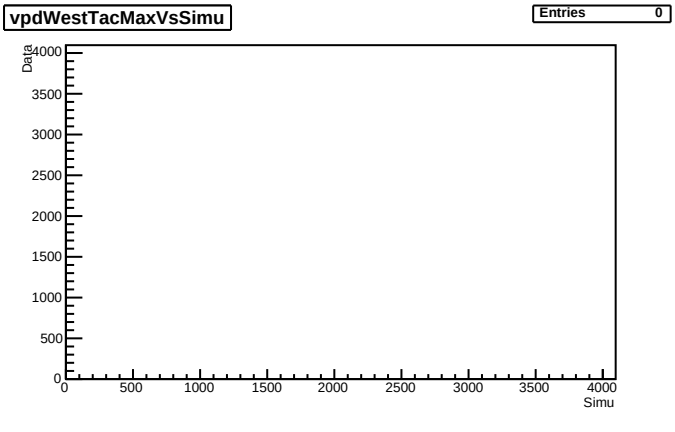
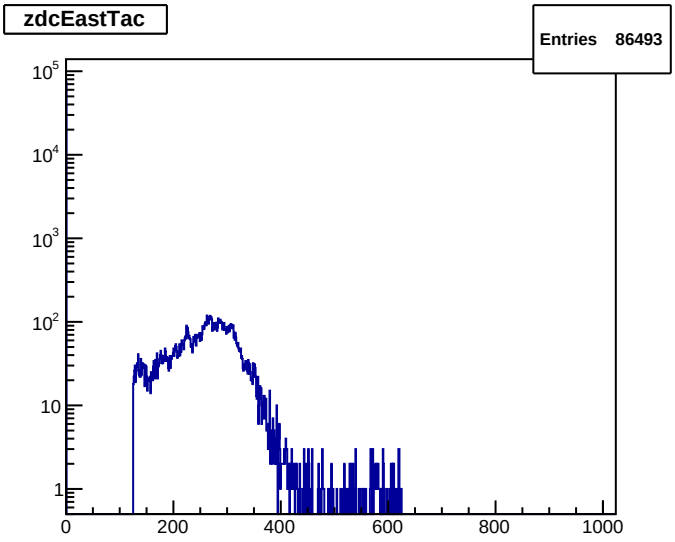
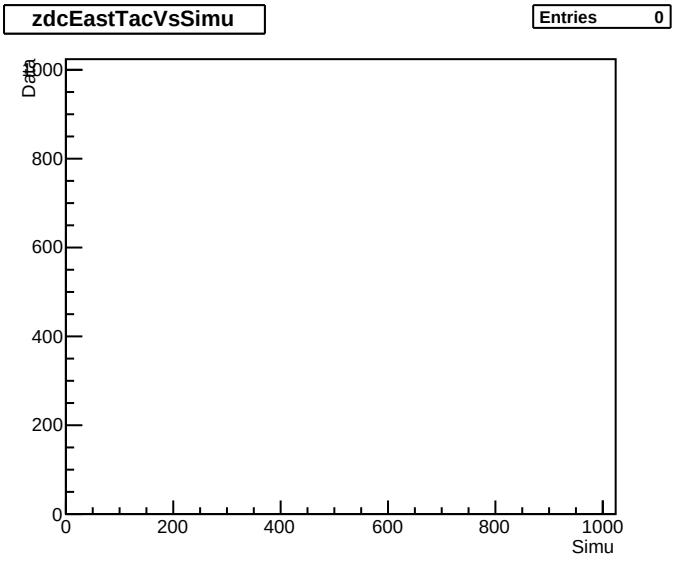
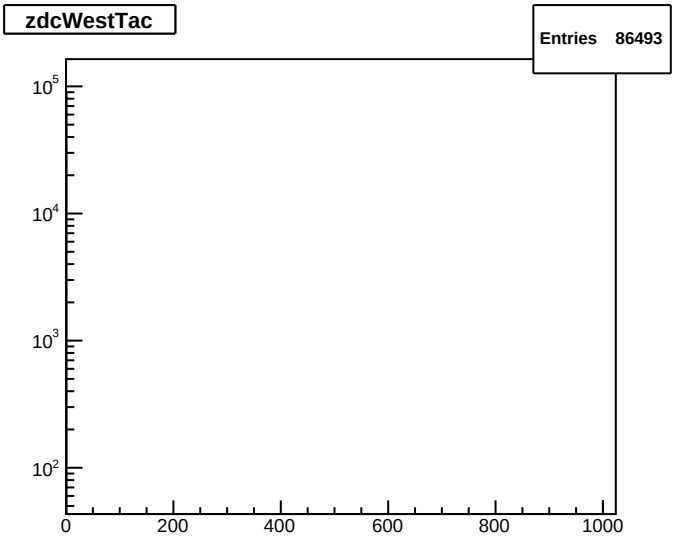
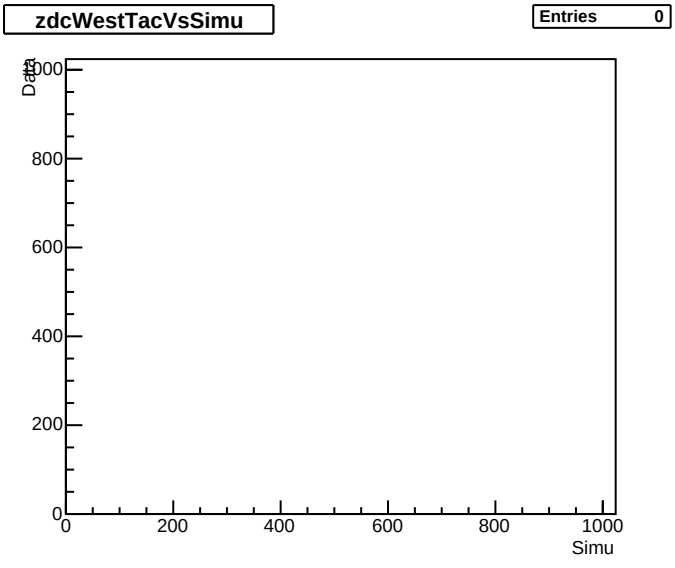

vpdWestTacMax
Entries 86493

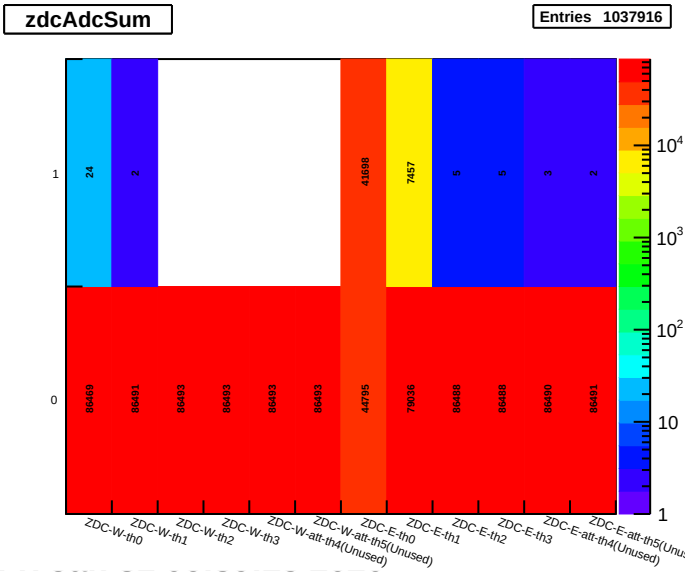

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

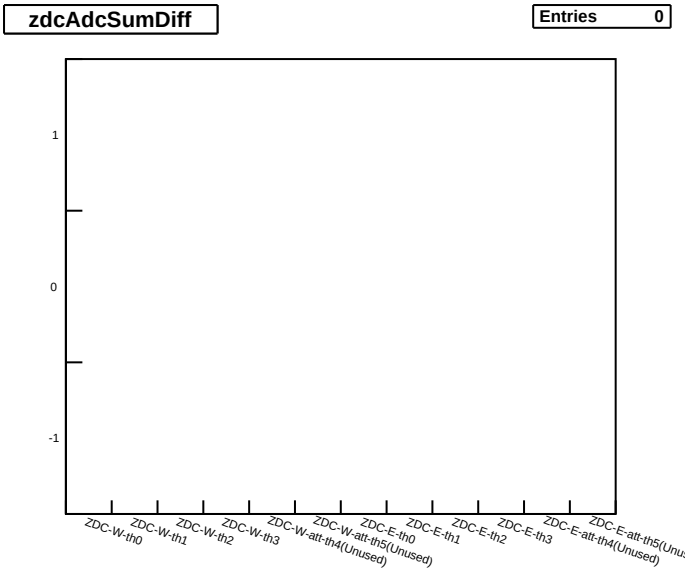

zdcEastTac
Entries 86493
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

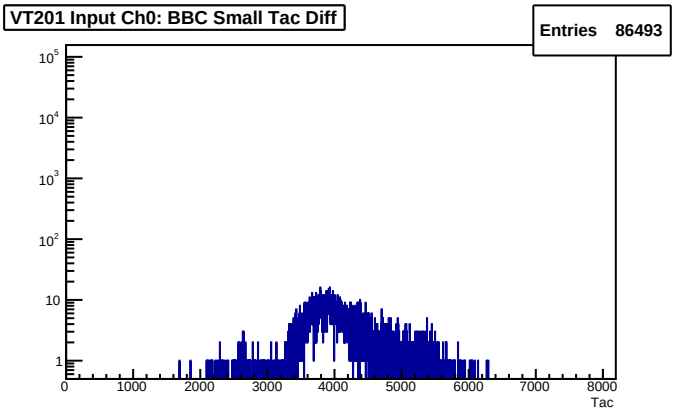

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

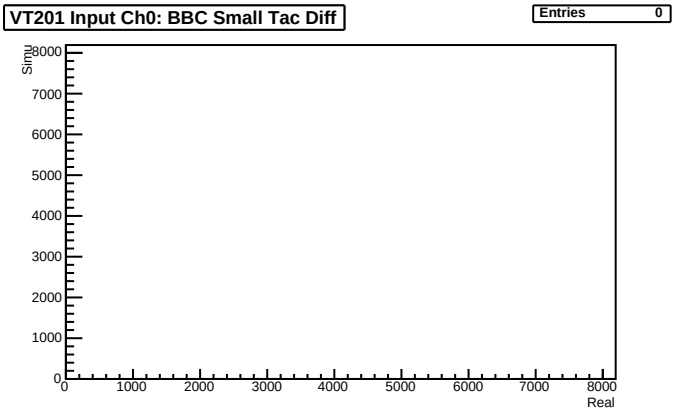

zdcWestTac
Entries 86493
10^5
10^4
10^3
10^2
0
200
400
600
800
1000

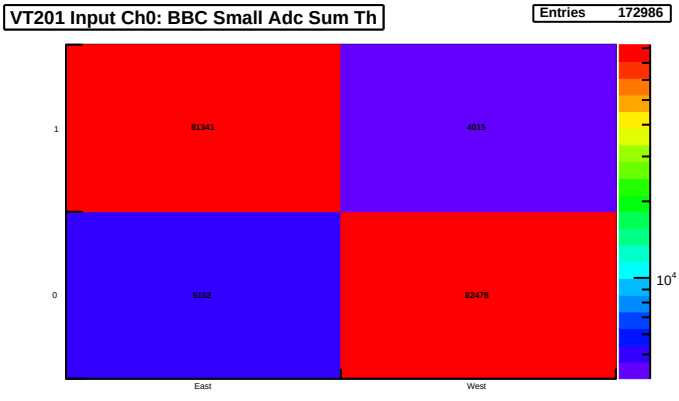

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

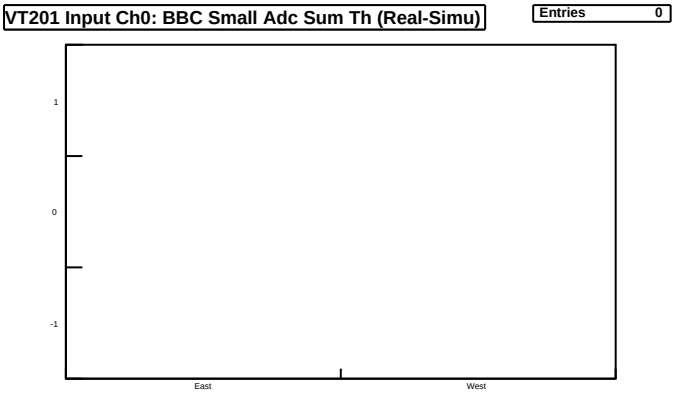

zdcAdcSum
Entries 1037916
1
0
24
2
41598
7457
5
5
3
2
85469
85491
86493
86493
86493
86493
44795
79036
86488
86488
86490
86491
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

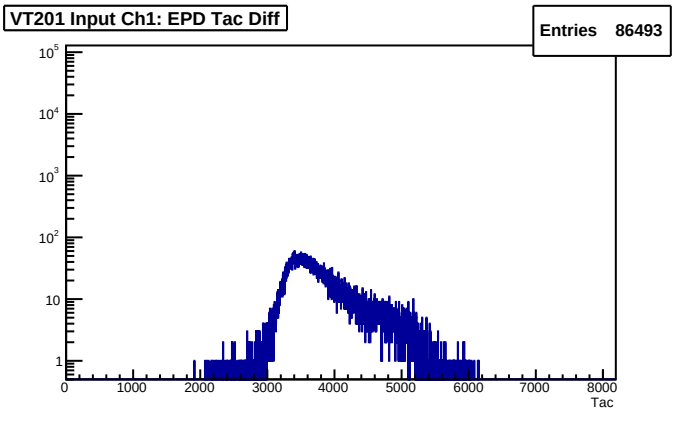

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

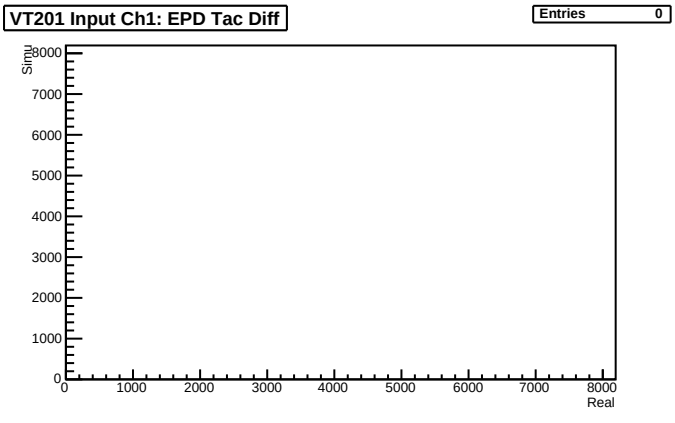

VT201 Input Ch0: BBC Small Tac Diff
Entries 86493
Tac

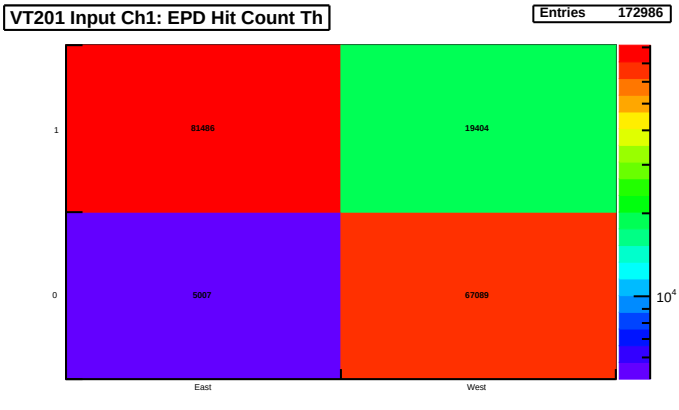

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

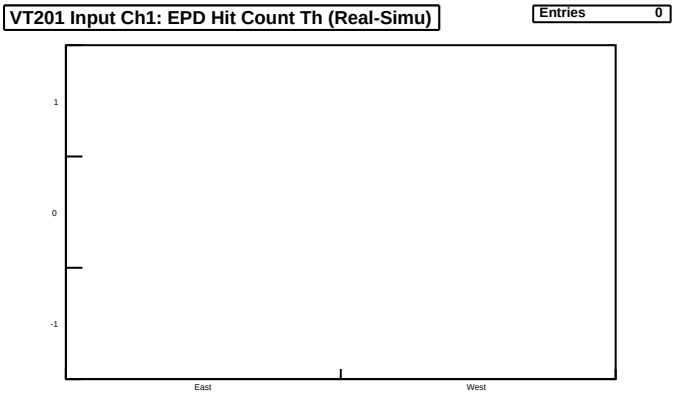

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 172986
81341
4015
5152
82478
East
West

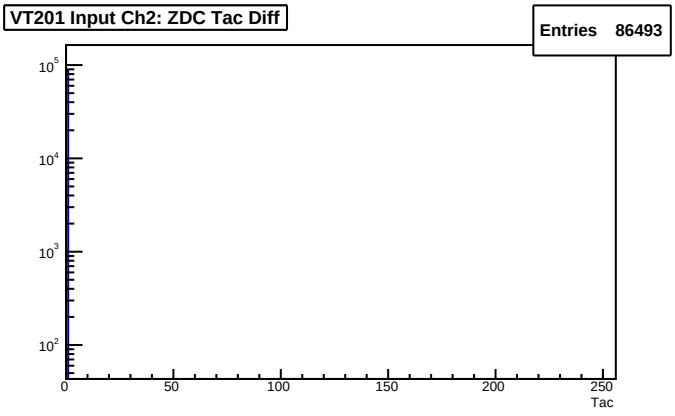

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

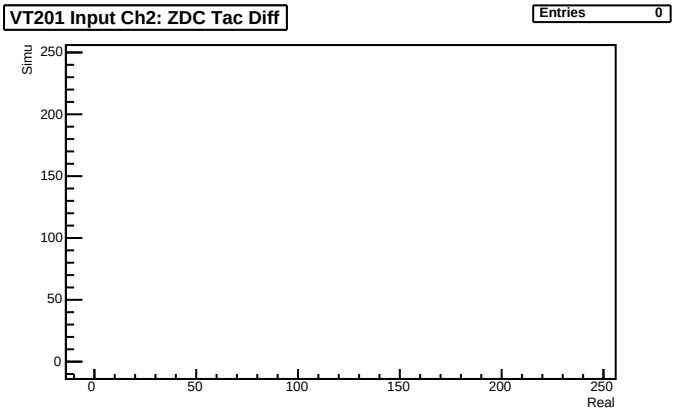

VT201 Input Ch1: EPD Tac Diff
Entries 86493
Tac

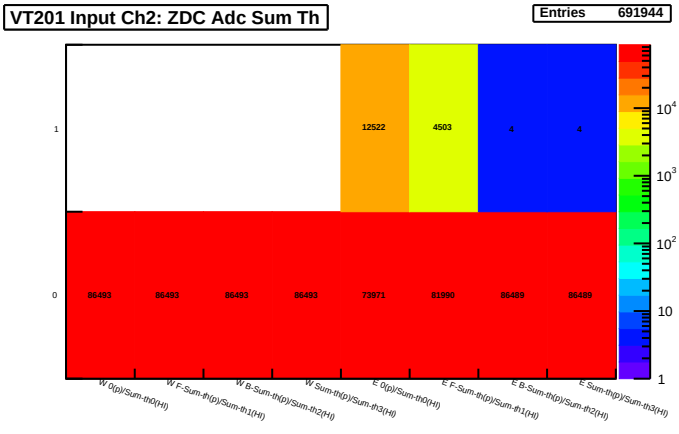

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

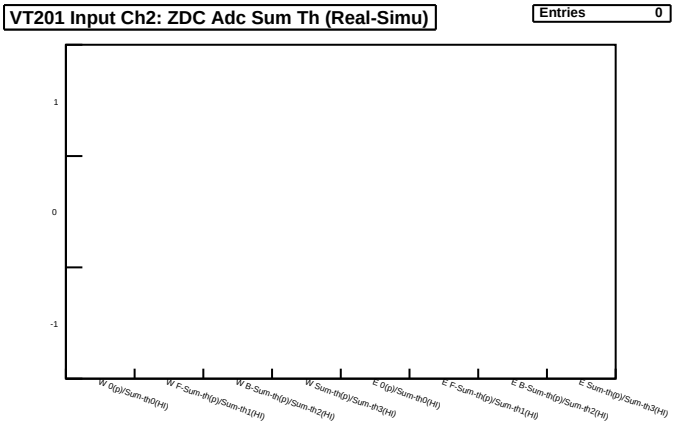

VT201 Input Ch1: EPD Hit Count Th
Entries 172986
81486
19404
5007
67089
East
West

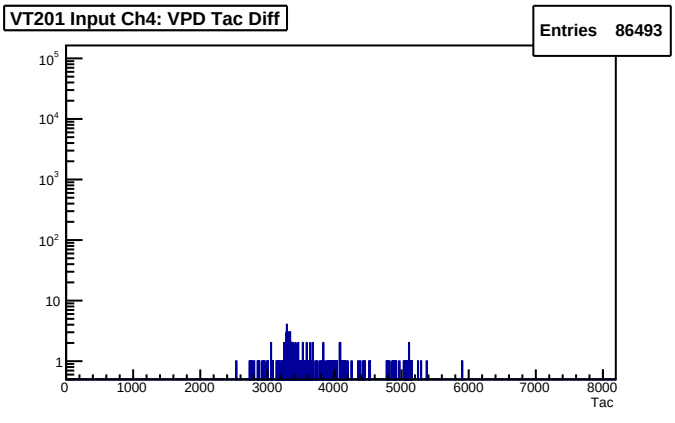

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

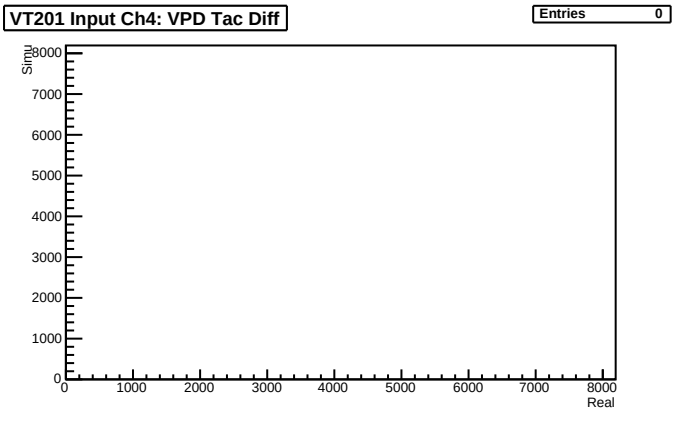

VT201 Input Ch2: ZDC Tac Diff
Entries 86493
Tac

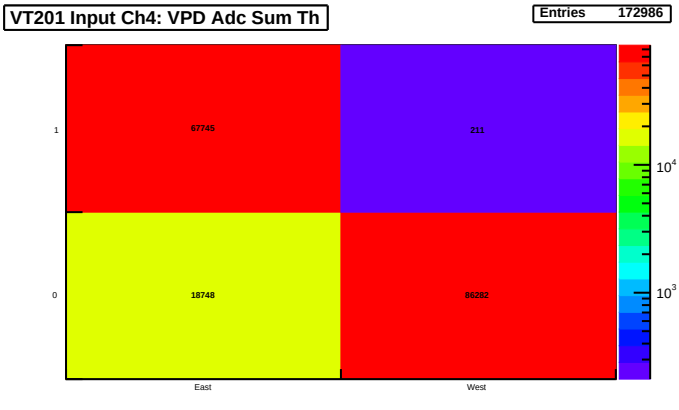

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

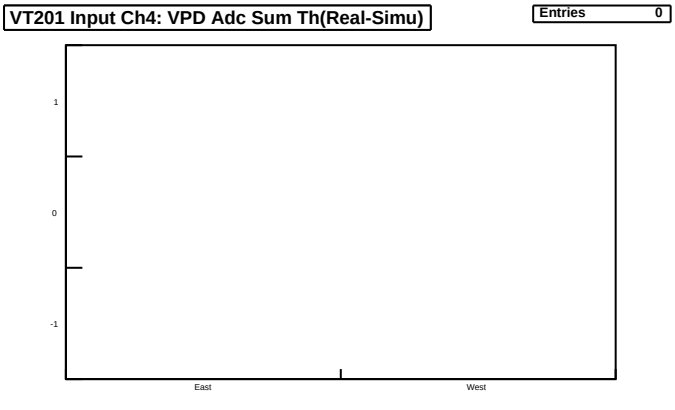

VT201 Input Ch2: ZDC Adc Sum Th
Entries 691944
12522
4503
4
4
86493
86493
86493
86493
73971
81990
86489
86489
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

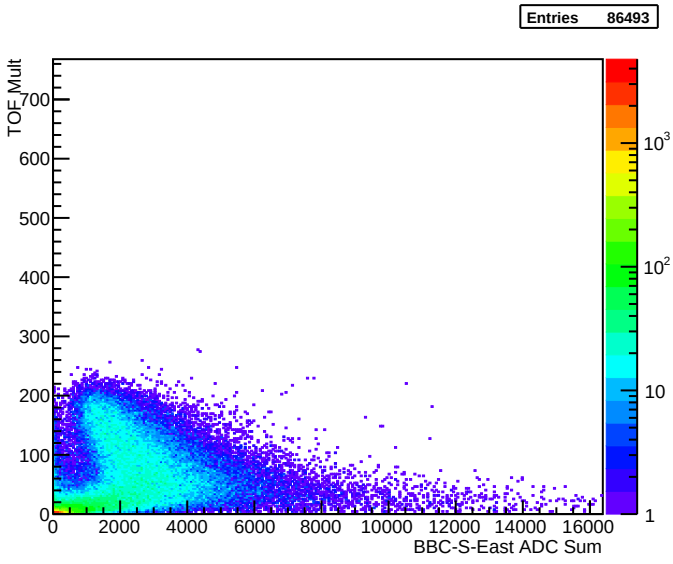

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

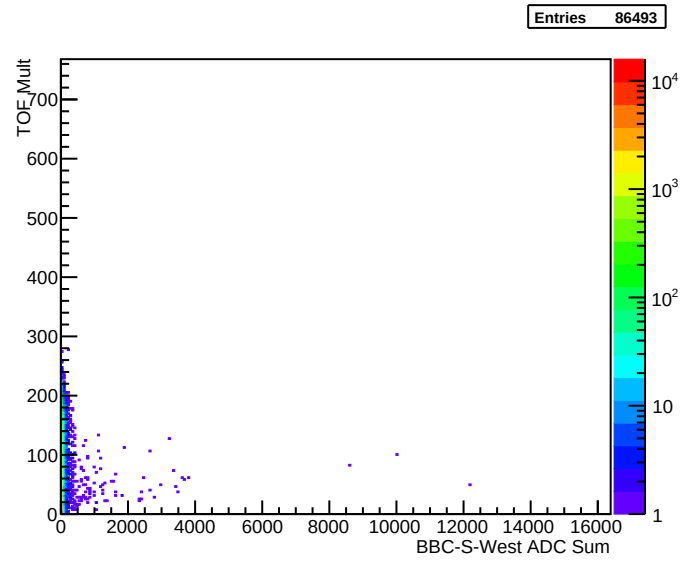

VT201 Input Ch4: VPD Tac Diff
Entries 86493
Tac

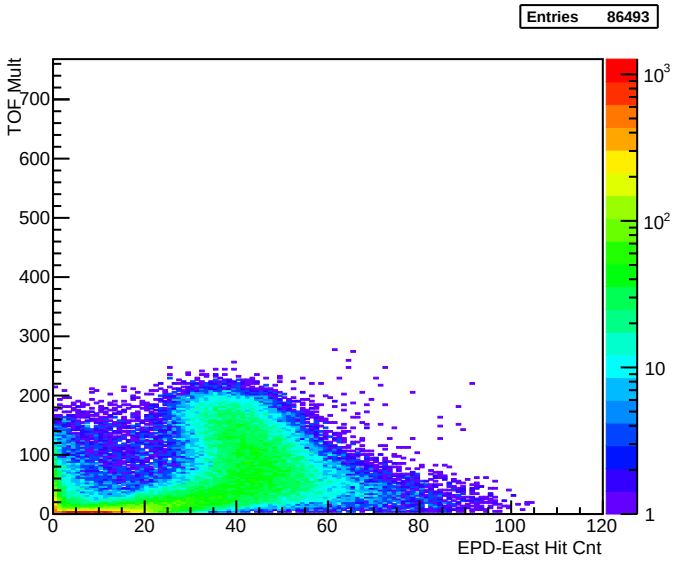

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

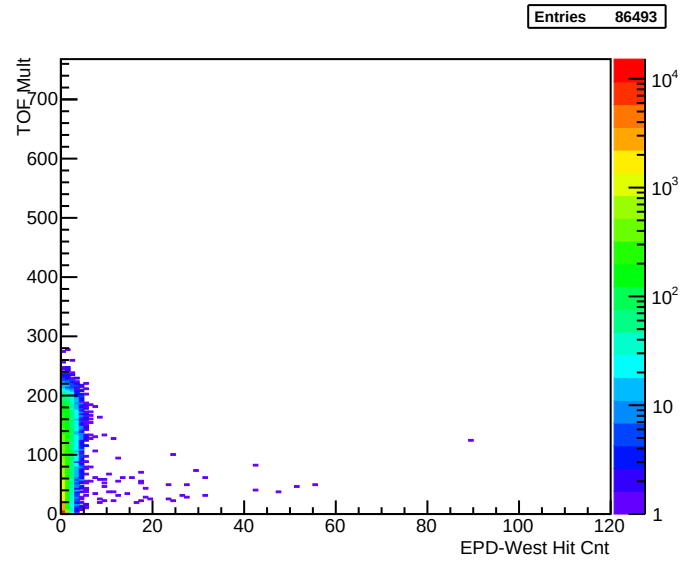

VT201 Input Ch4: VPD Adc Sum Th
Entries 172986
67745
211
18748
86282
East
West

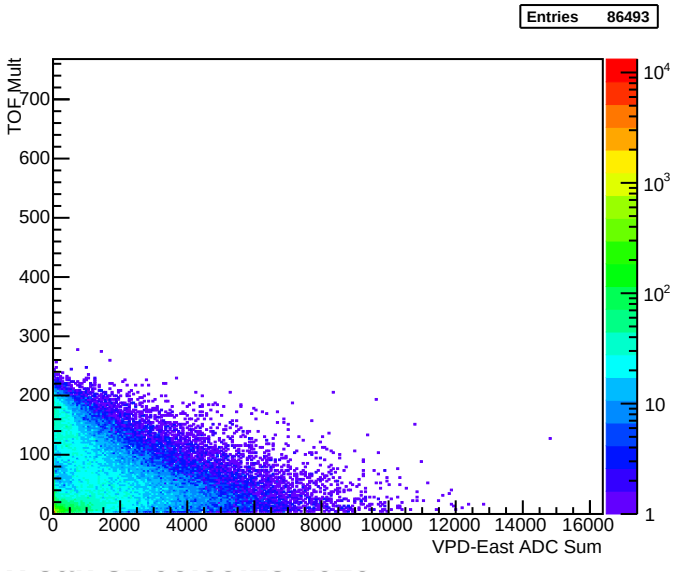

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

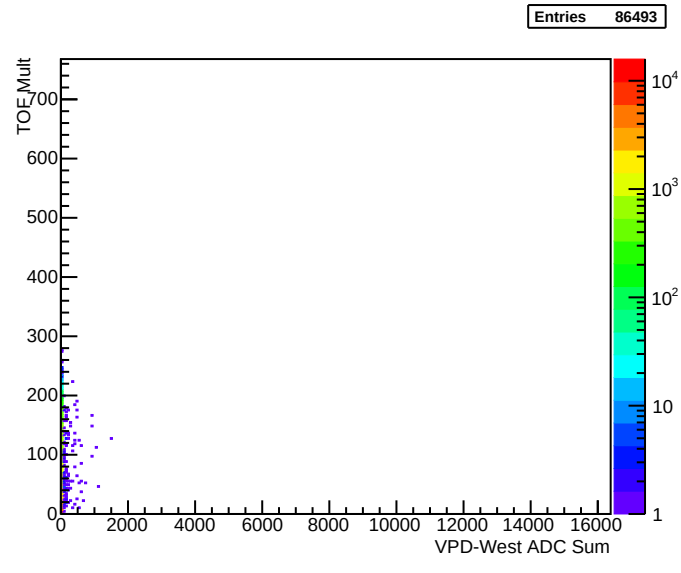

Entries 86493
TOF_Mult
BBC-S-East ADC Sum

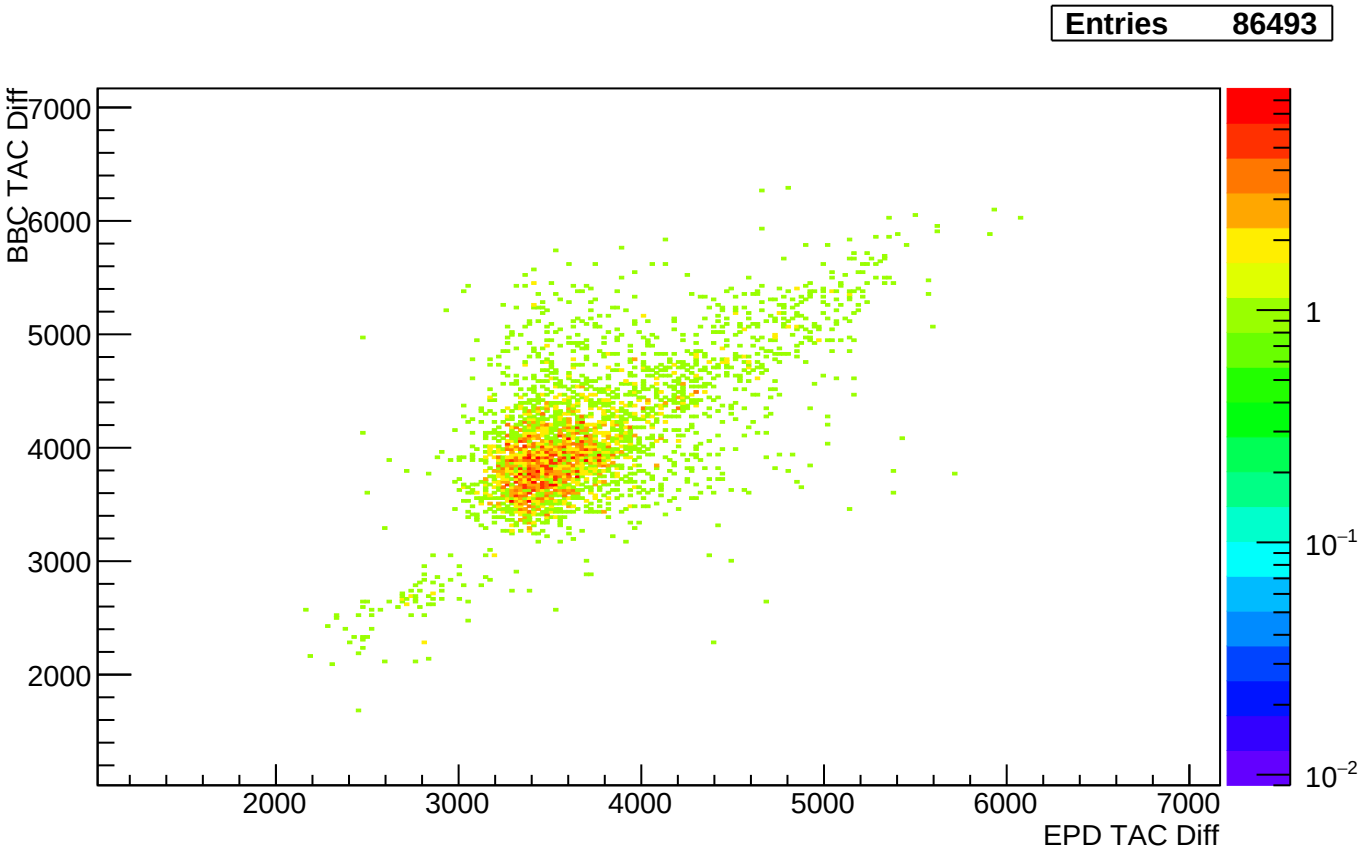

Entries 86493
TOF_Mult
BBC-S-West ADC Sum

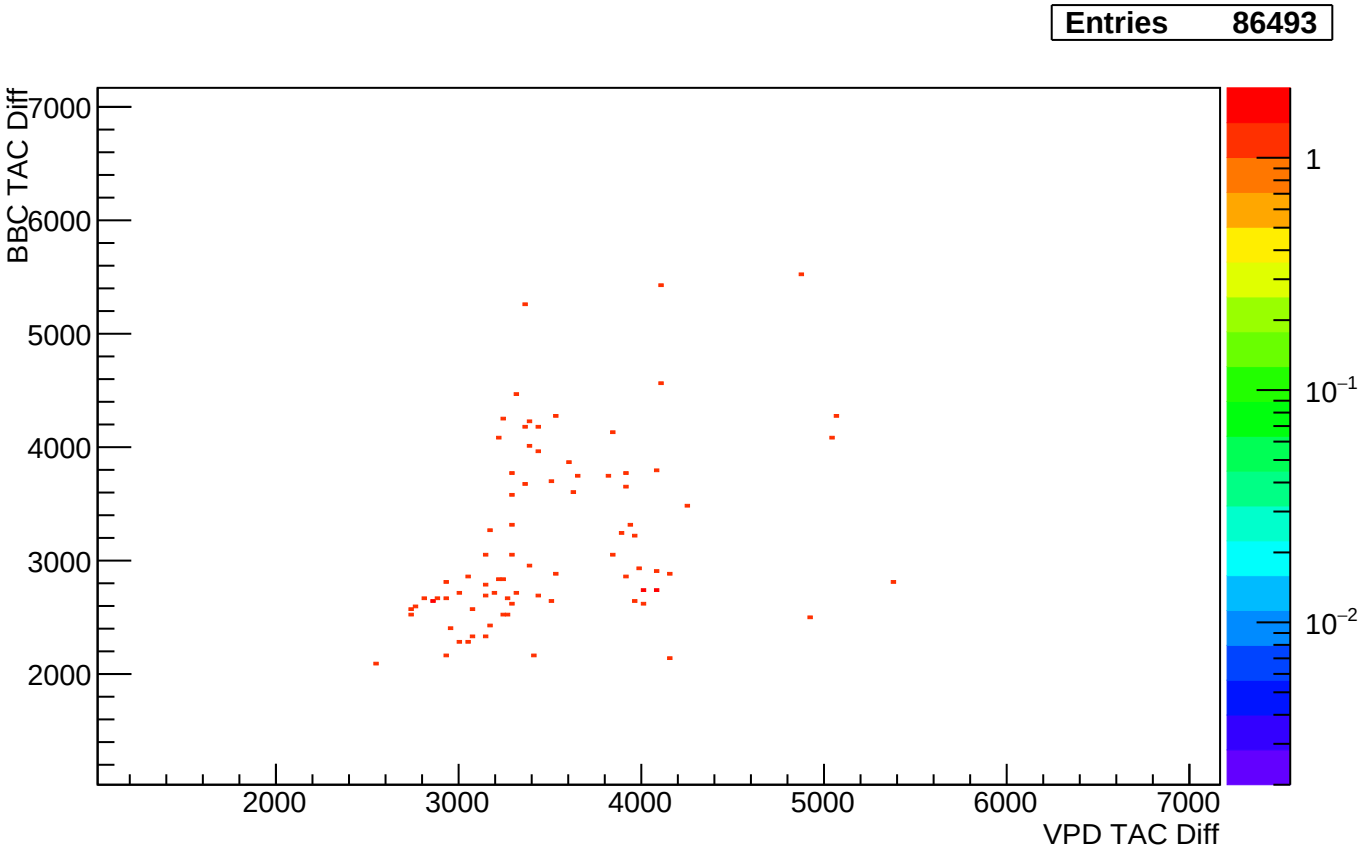

Entries 86493
TOF_Mult
EPD-East Hit Cnt

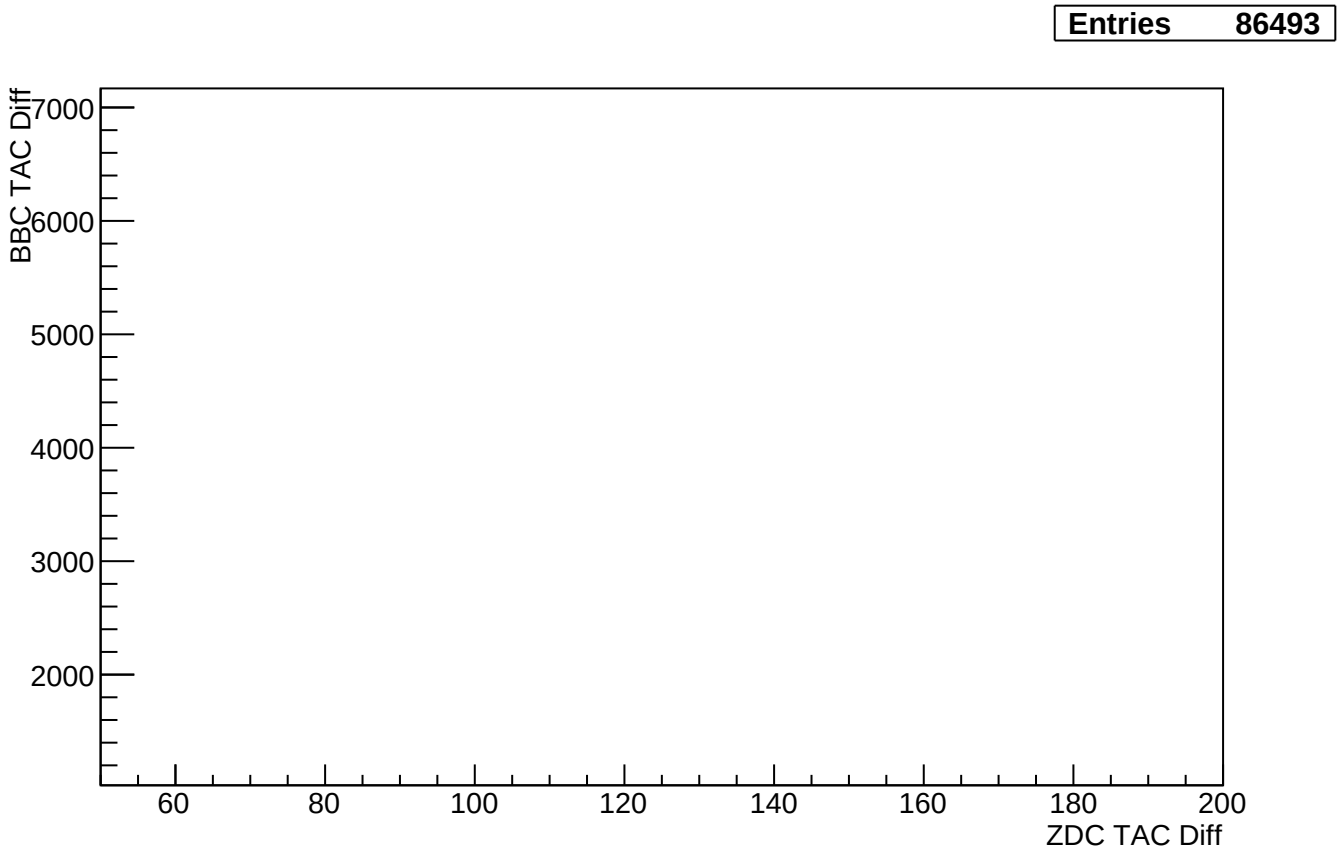

Entries 86493
TOF_Mult
EPD-West Hit Cnt

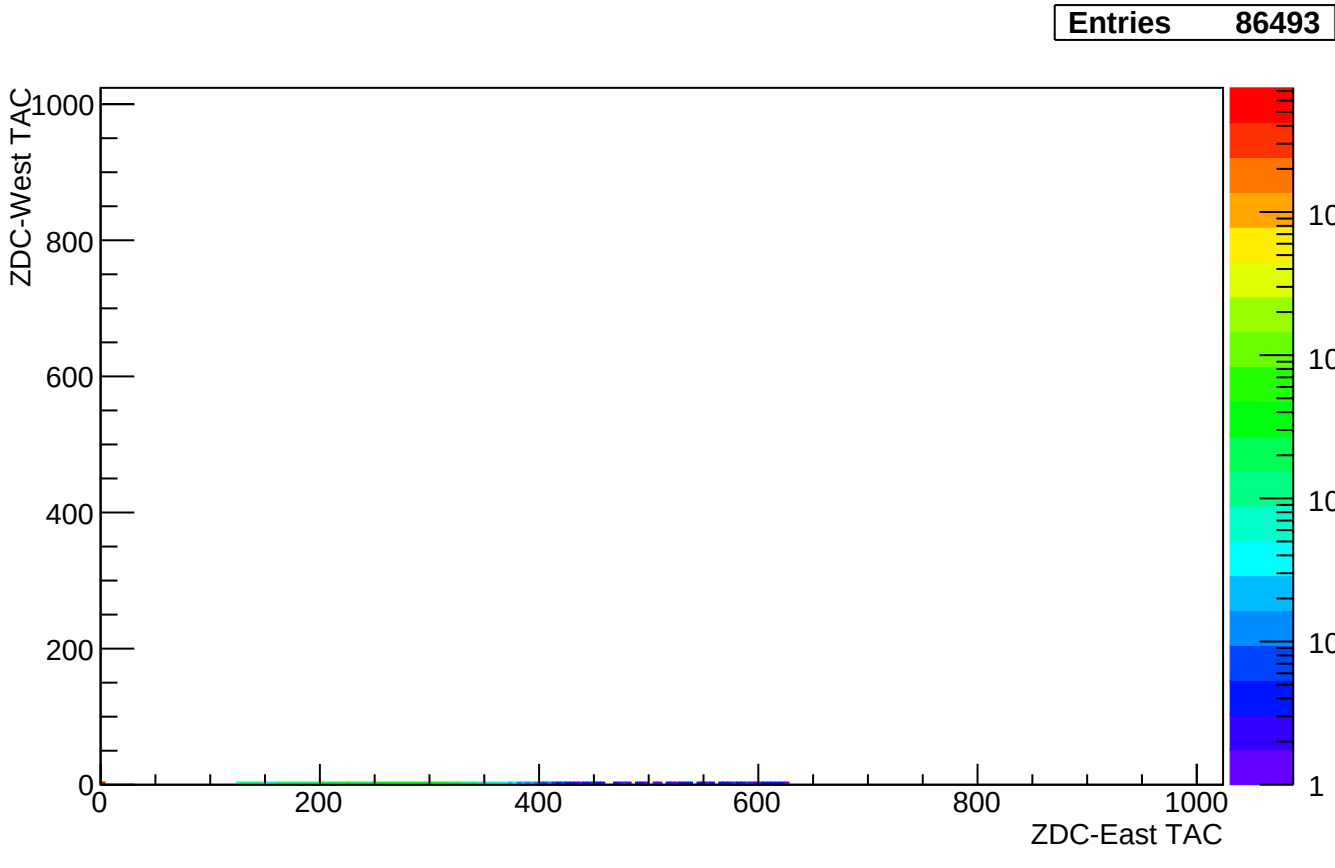

Entries 86493
TOF_Mult
VPD-East ADC Sum

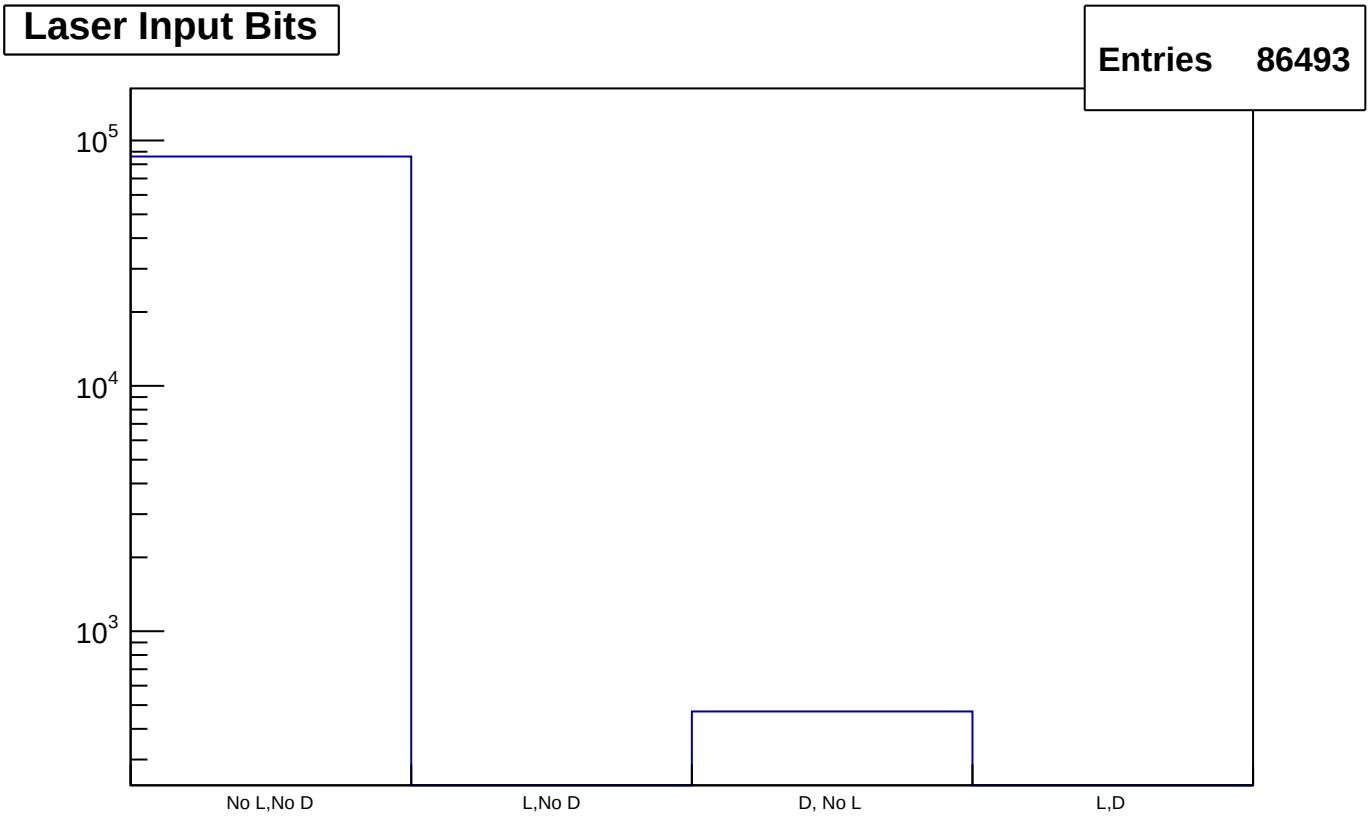

Entries 86493
TOF_Mult
VPD-West ADC Sum

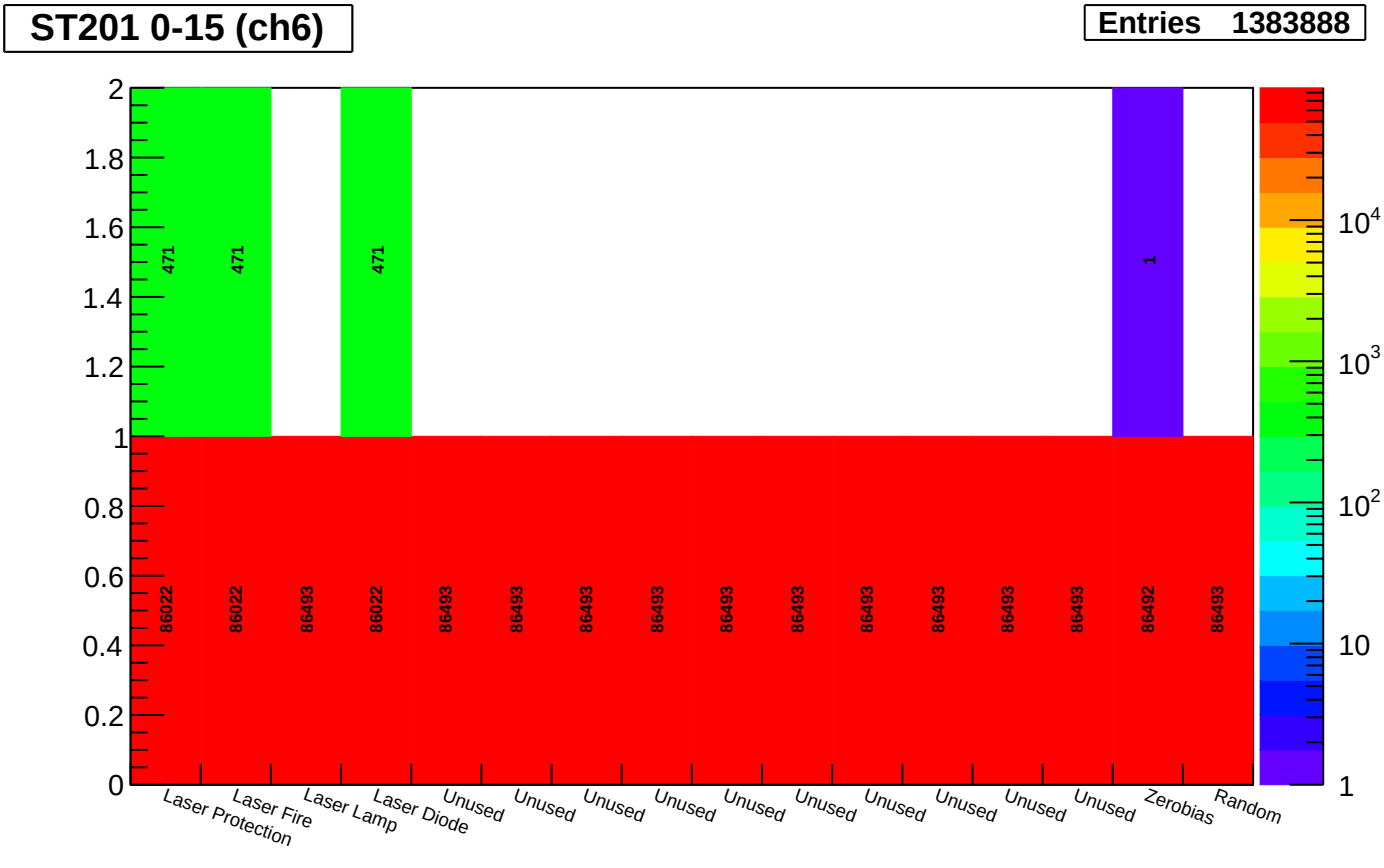

Entries 86493
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

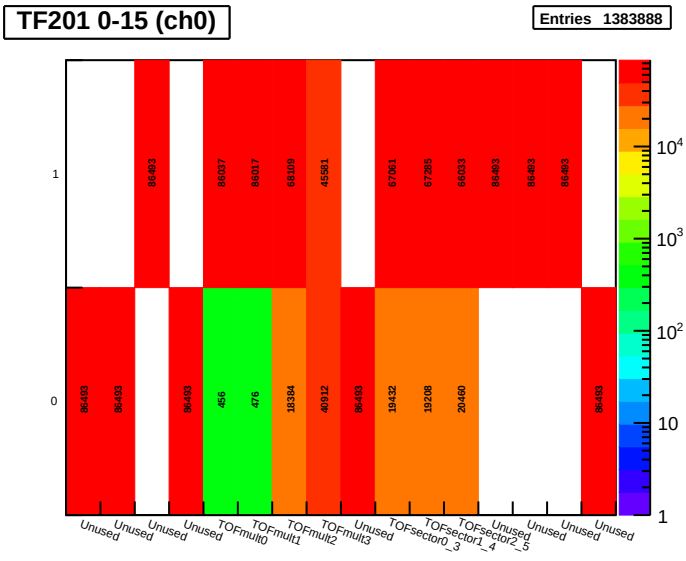

Entries 86493
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

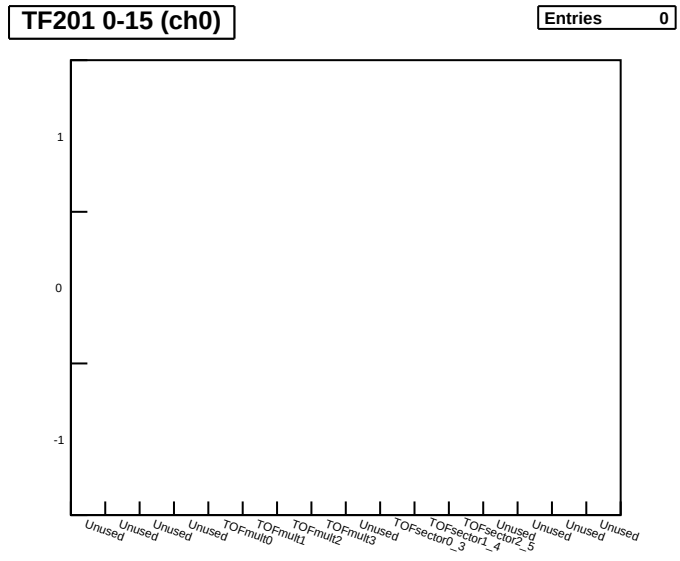

Entries 86493
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

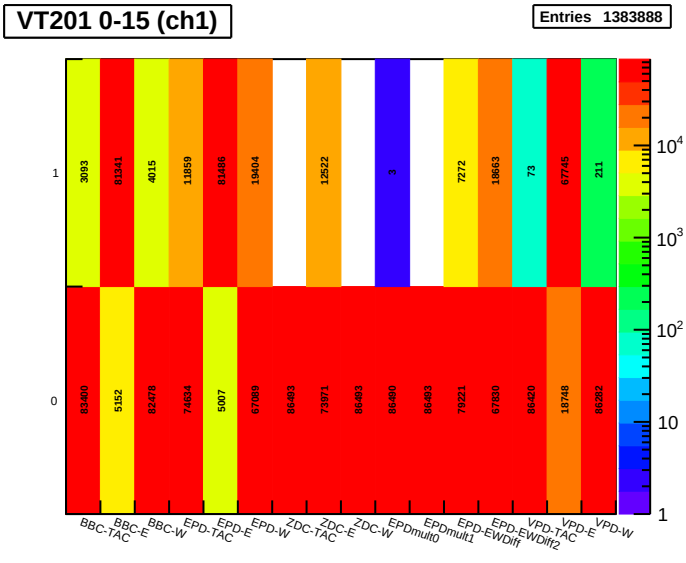

Entries 86493
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

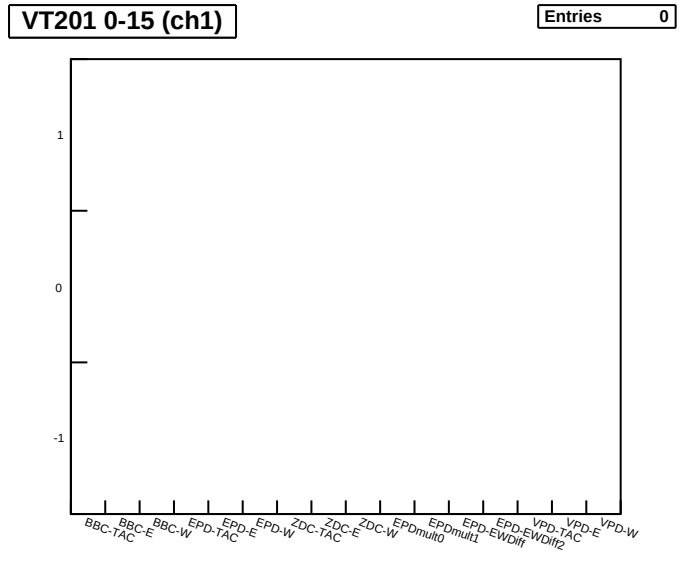

Laser Input Bits
Entries 86493
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

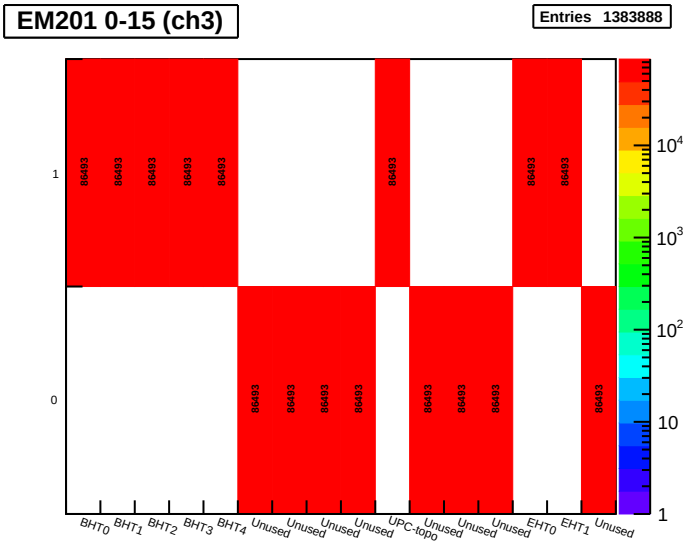

ST201 0-15 (ch6)
Entries 1383888
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
471
471
471
1
86022
86022
86493
86022
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
86492
86493
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

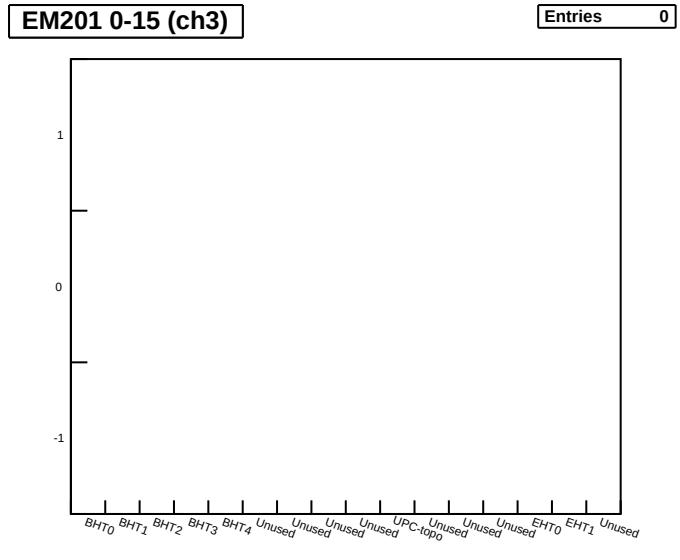

TF201 0-15 (ch0)
Entries 1383888
1
0
86493
86037
86017
68109
45581
67061
67285
66033
86493
86493
86493
86493
86493
86493
456
476
18384
40912
86493
19432
19208
20460
86493
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


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 1383888
1
0
3093
81341
4015
11859
81486
19404
12522
3
7272
18663
73
67745
211
83400
5152
82478
74634
5007
67089
86493
73971
86493
86490
86493
79221
67830
86420
18748
86282
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
10^4
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 1383888
1
0
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
86493
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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