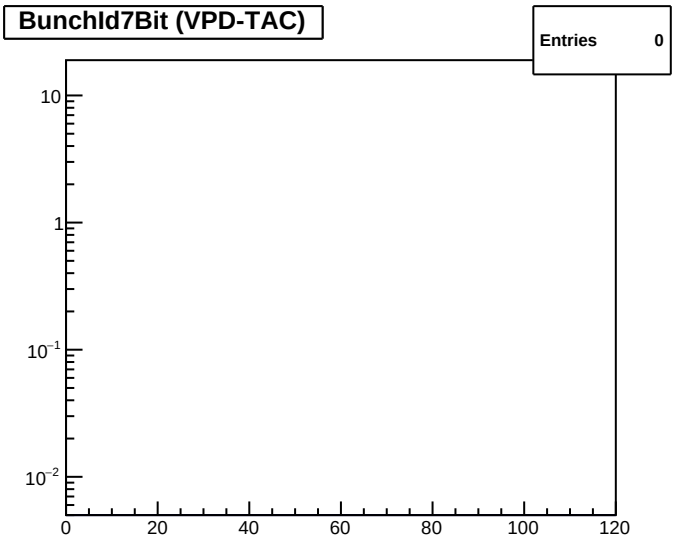
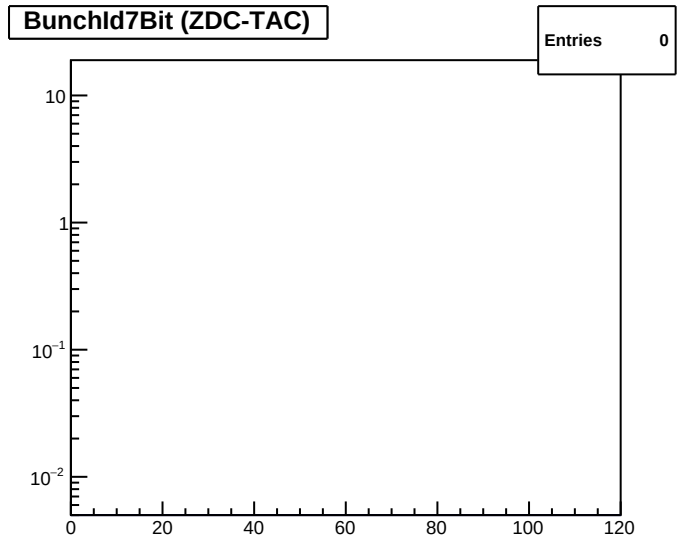
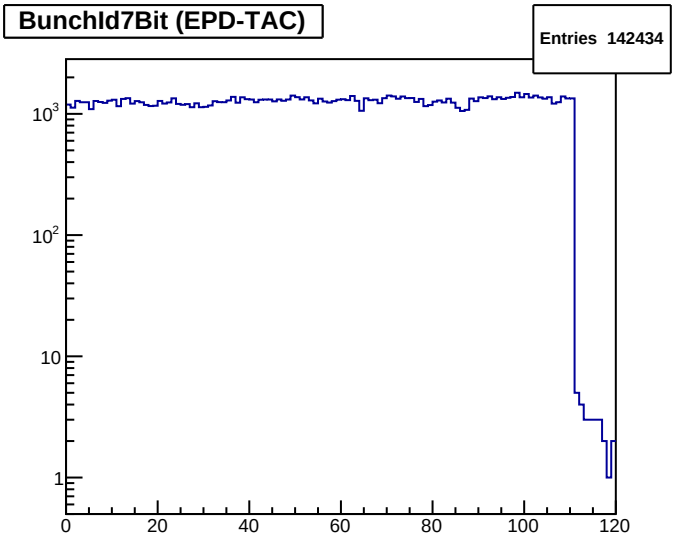
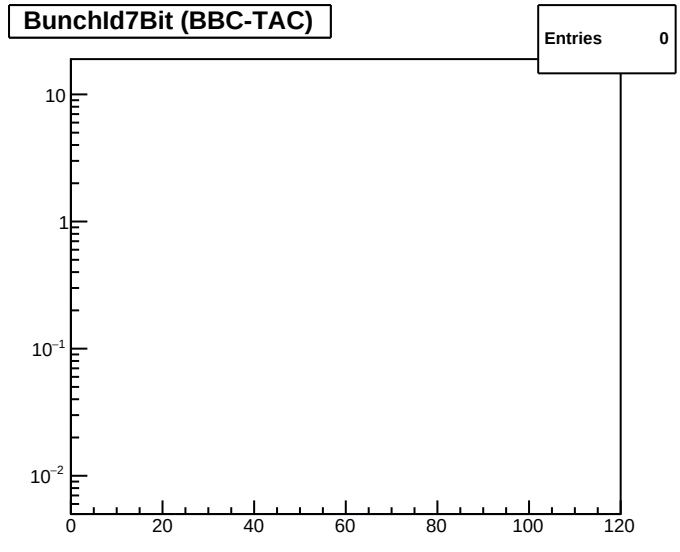
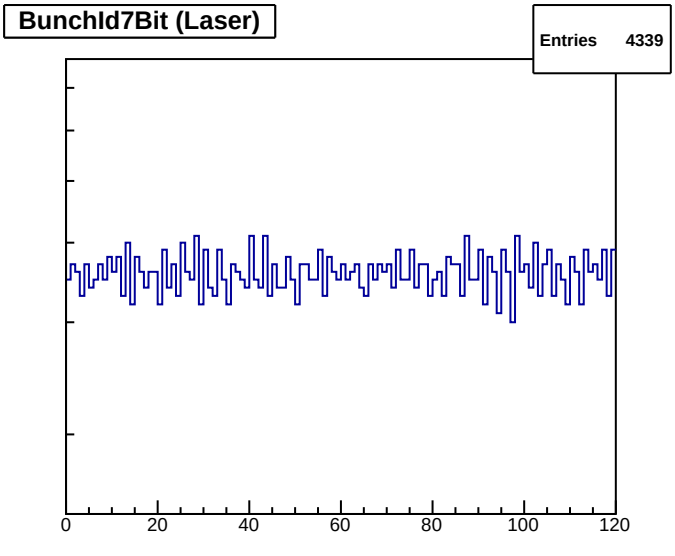
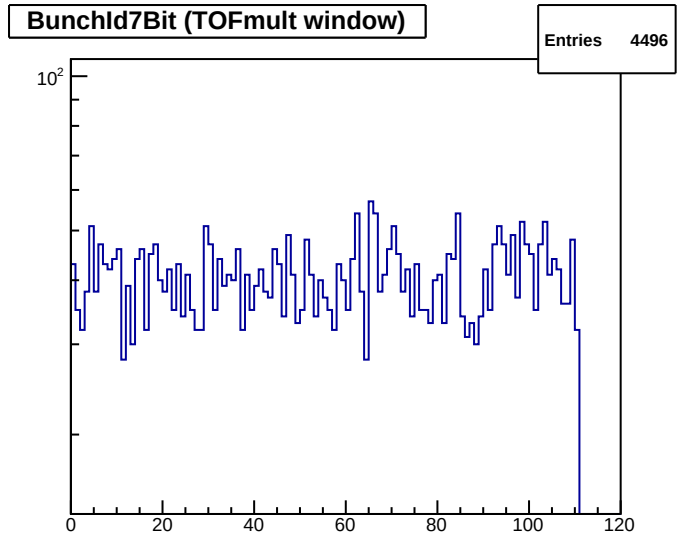

BunchId7Bit (VPD-TAC)
Entries 0

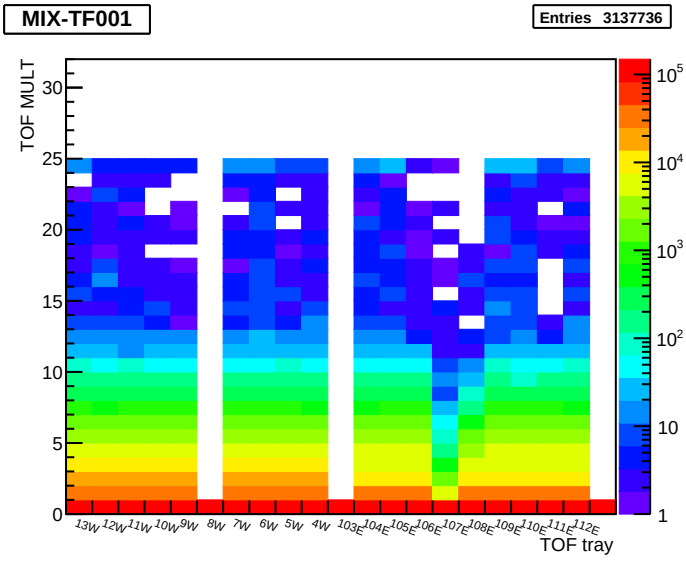

BunchId7Bit (ZDC-TAC)
Entries 0

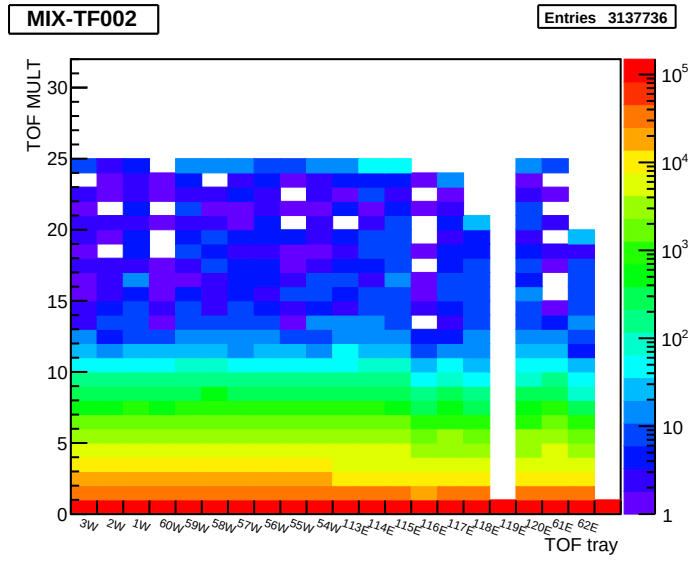

BunchId7Bit (EPD-TAC)
Entries 142434

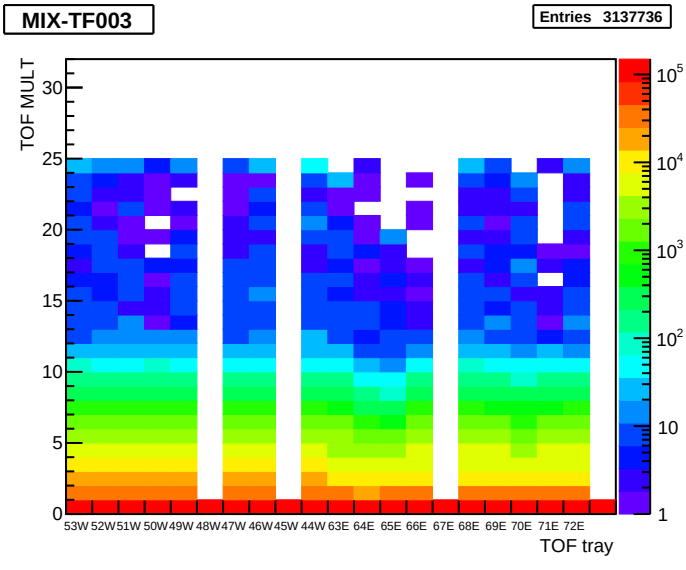

BunchId7Bit (BBC-TAC)
Entries 0

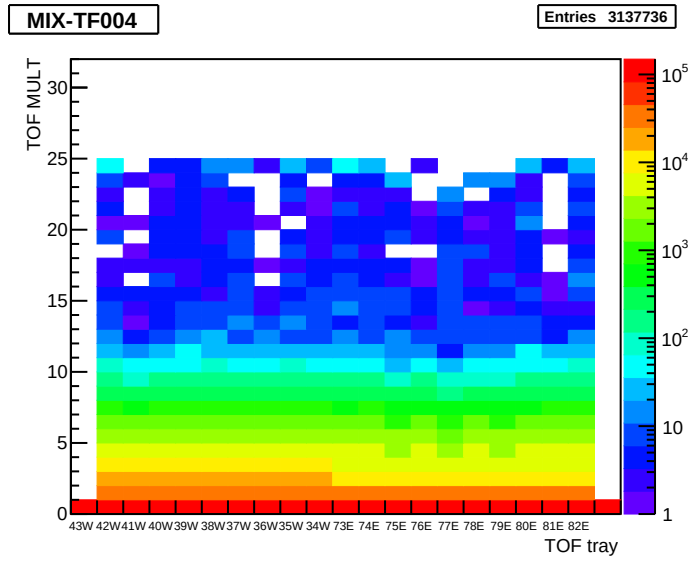

BunchId7Bit (Laser)
Entries 4339

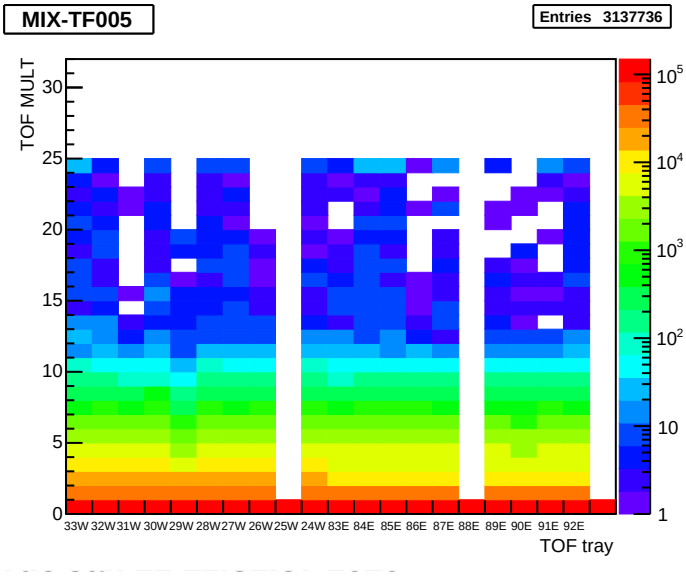

BunchId7Bit (TOFmult window)
Entries 4496

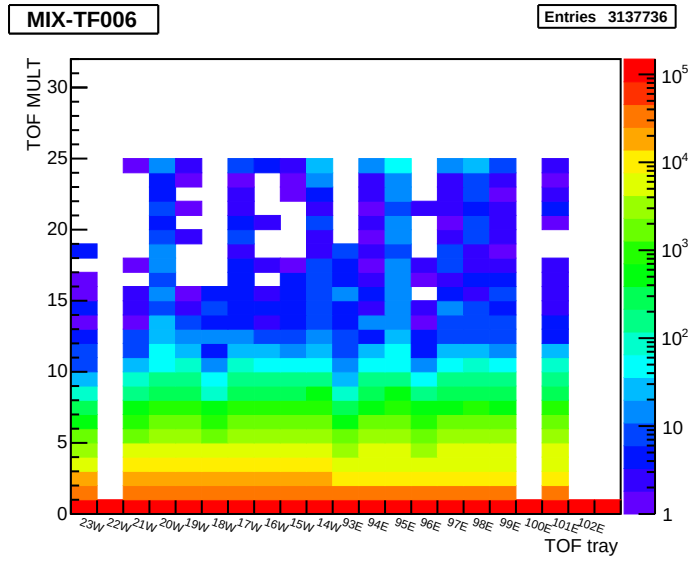

MIX-TF001
Entries 3137736
TOF MULT
TOF tray

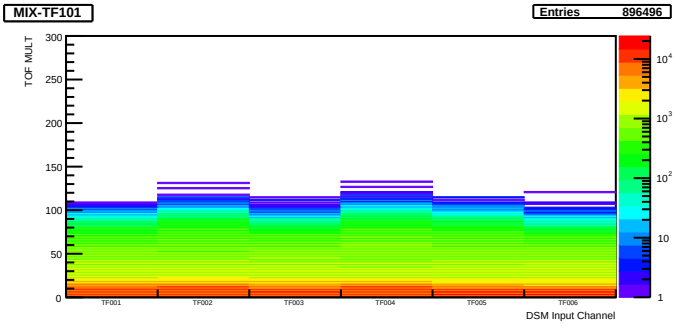

MIX-TF002
Entries 3137736
TOF MULT
TOF tray

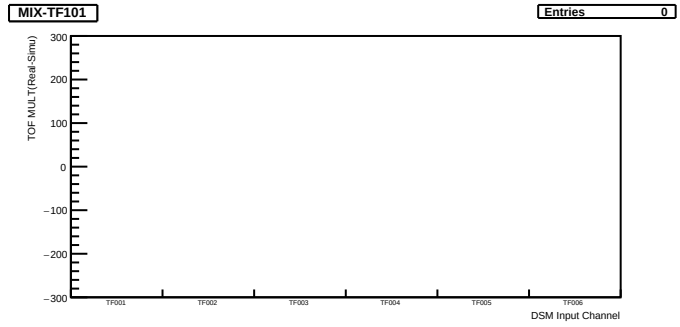

MIX-TF003
Entries 3137736
TOF MULT
TOF tray

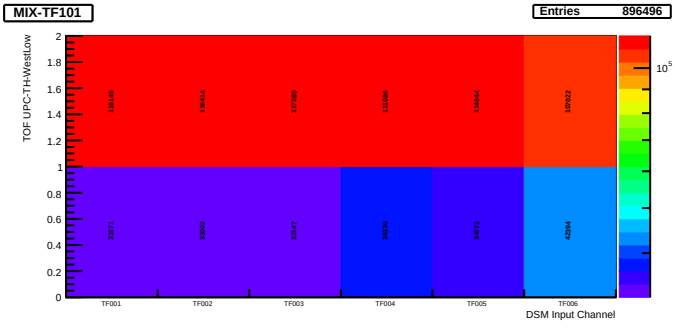

MIX-TF004
Entries 3137736
TOF MULT
TOF tray

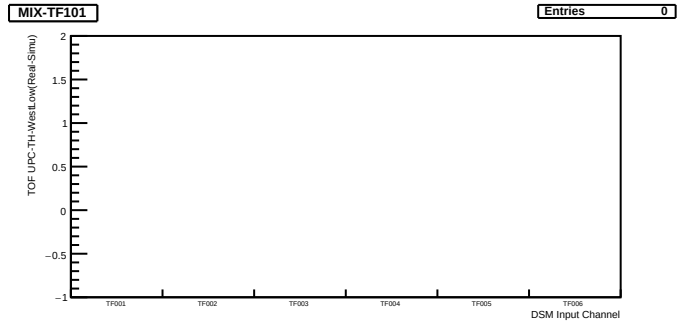

MIX-TF005
Entries 3137736
TOF MULT
TOF tray

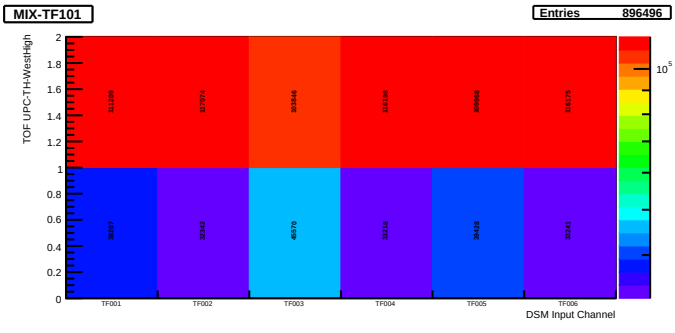

MIX-TF006
Entries 3137736
TOF MULT
TOF tray

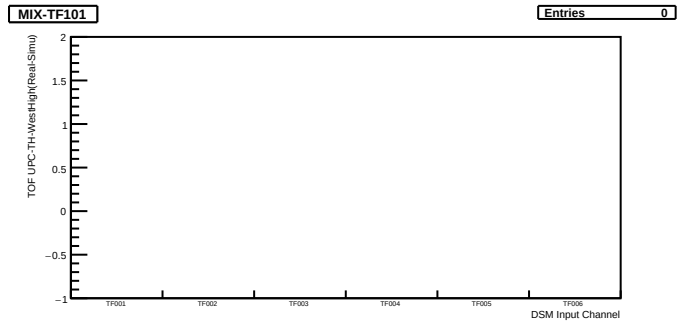

MIX-TF101
Entries 896496
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

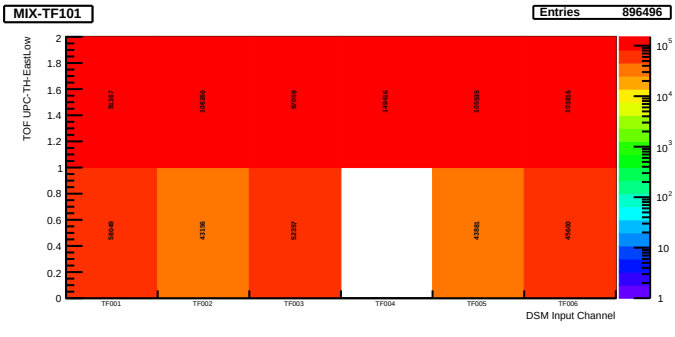

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

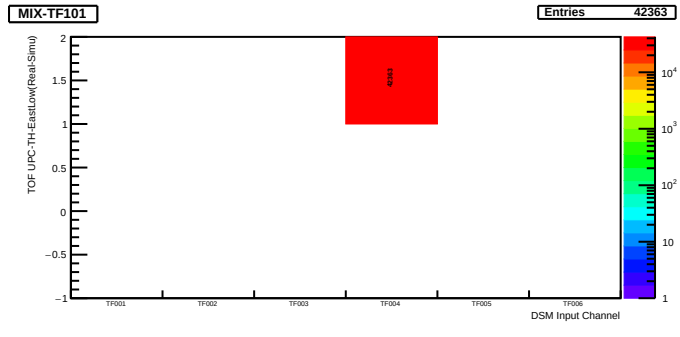

MIX-TF101
Entries 896496
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

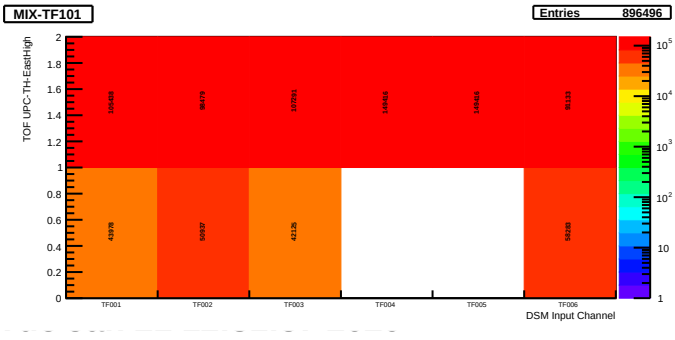

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

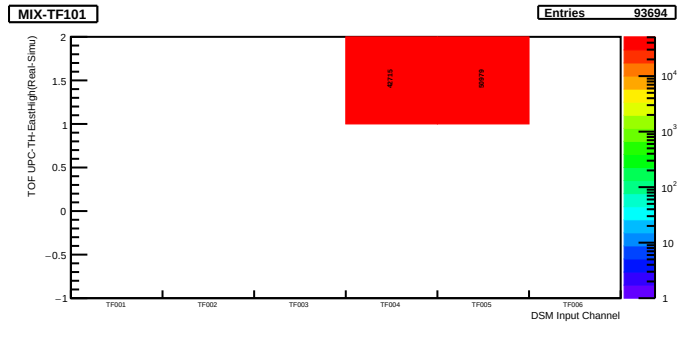

MIX-TF101
Entries 896496
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

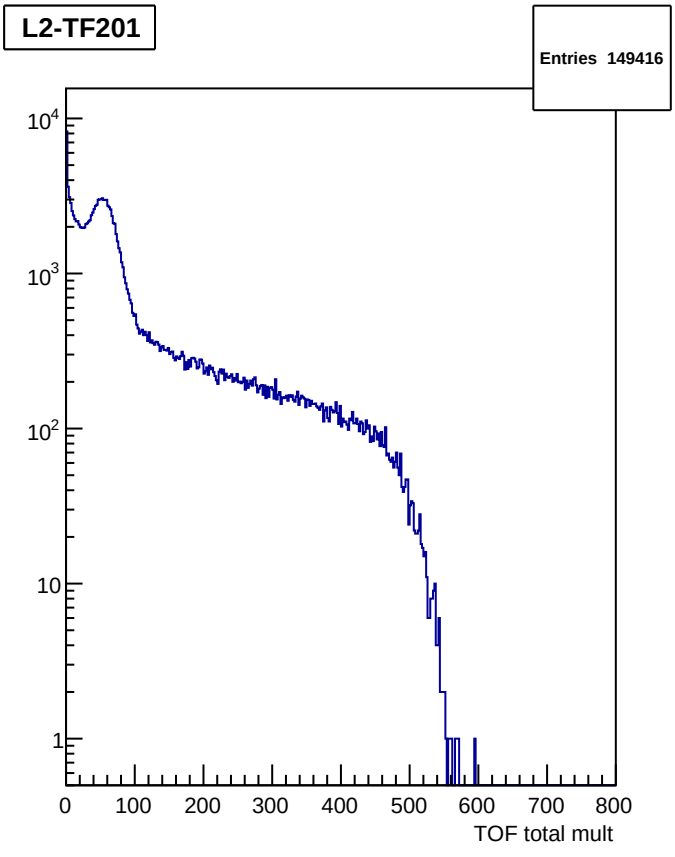

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

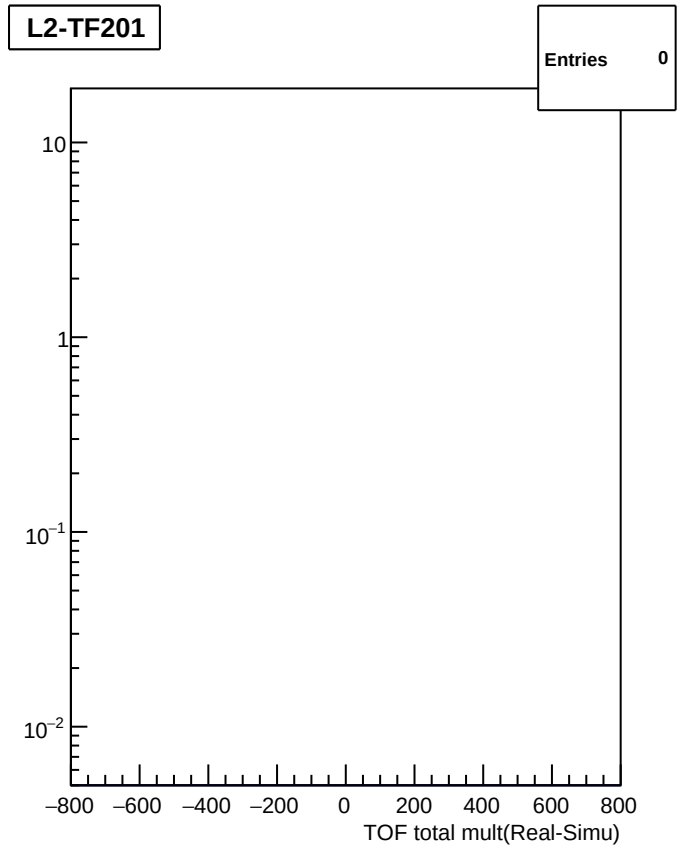

MIX-TF101
Entries 896496
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

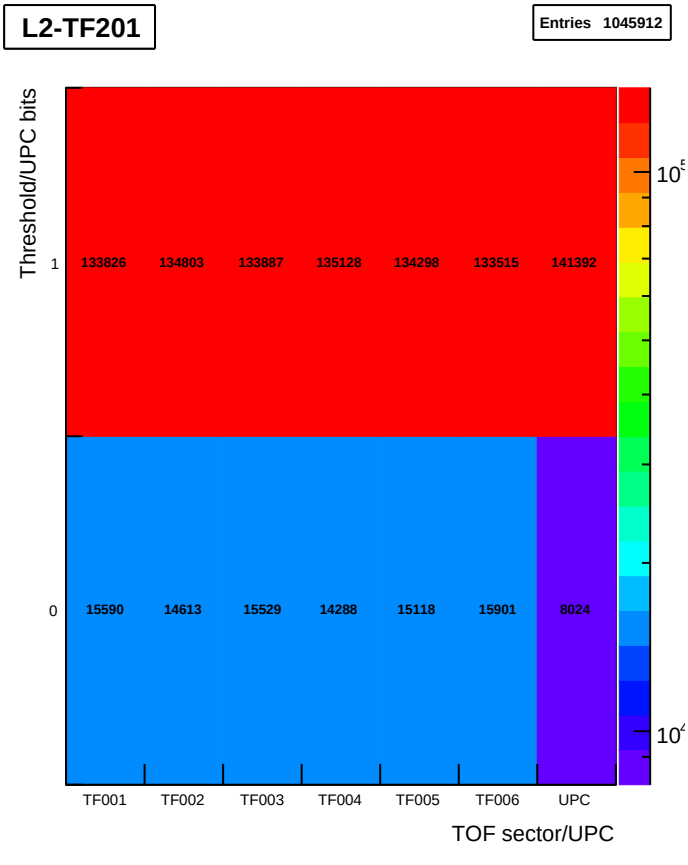

MIX-TF101
Entries 42363
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

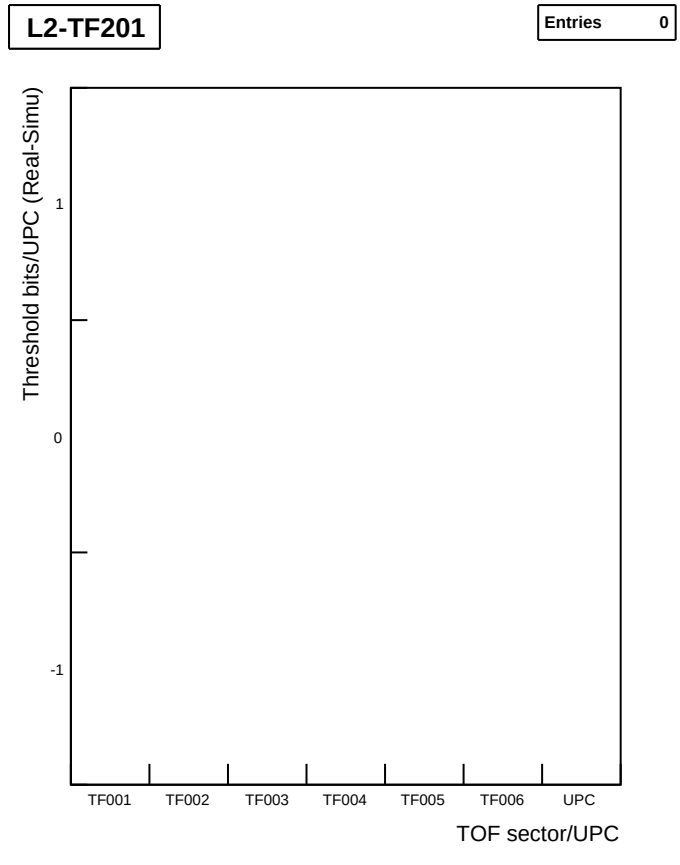

MIX-TF101
Entries 896496
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

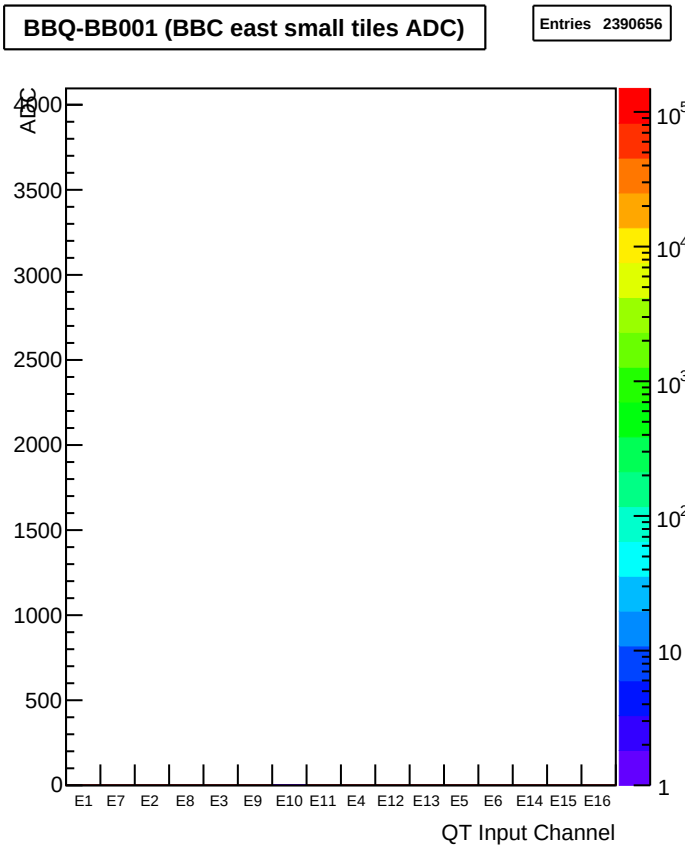

MIX-TF101
Entries 93694
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

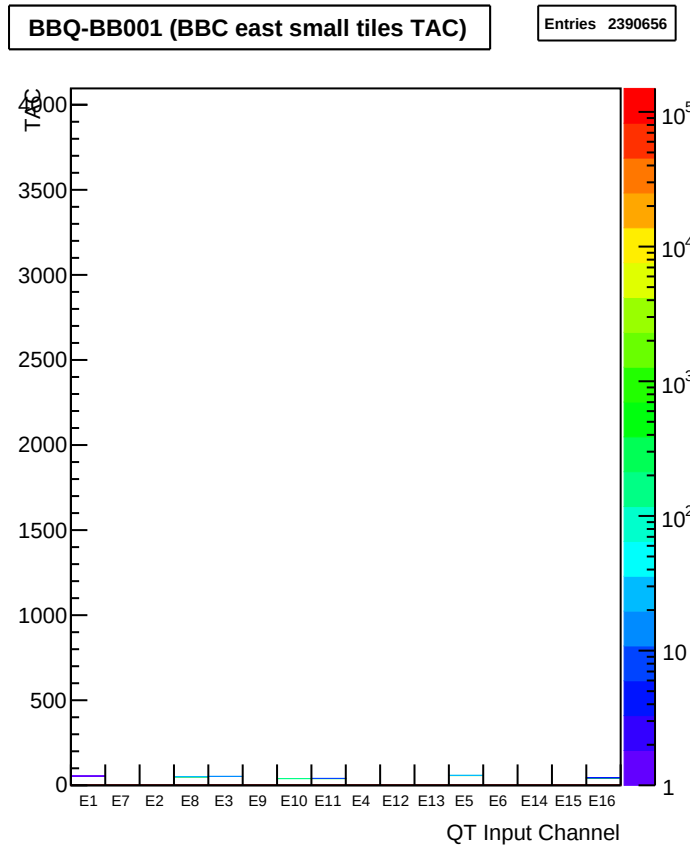

L2-TF201
Entries 149416
TOF total mult

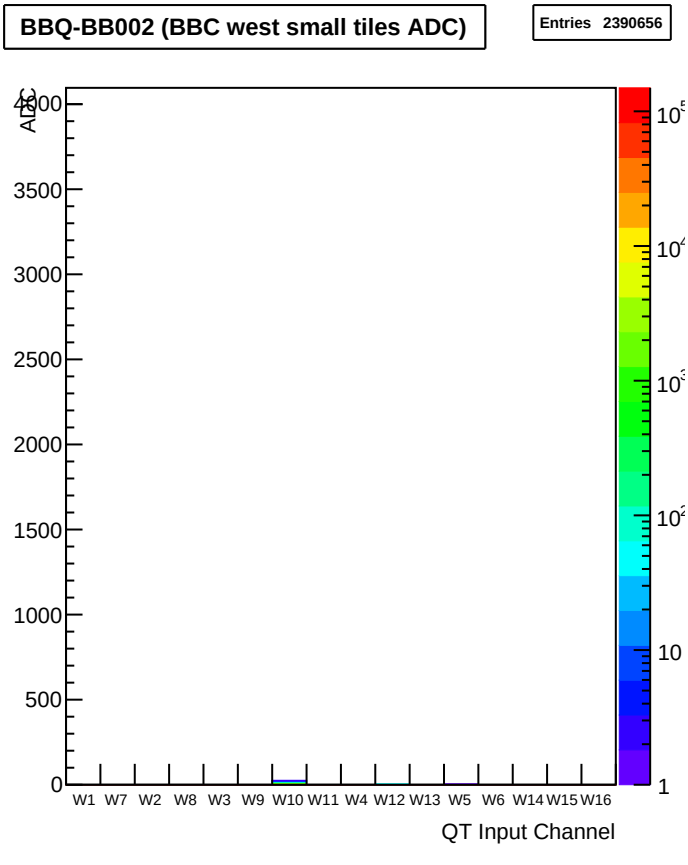

L2-TF201
Entries 0
TOF total mult(Real-Simu)

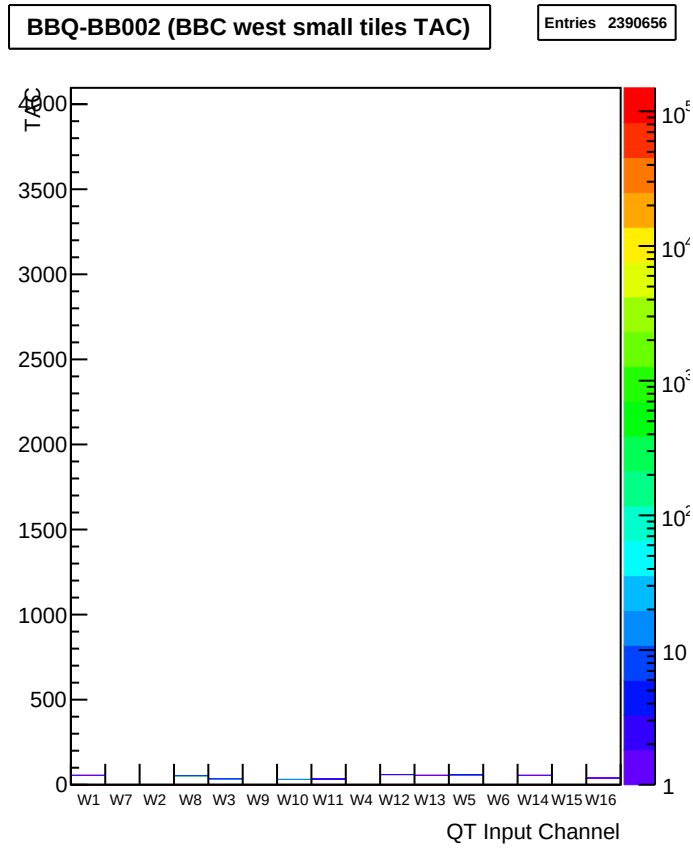

L2-TF201
Entries 1045912
Threshold/UPC bits
133826
134803
133887
135128
134298
133515
141392
15590
14613
15529
14288
15118
15901
8024
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

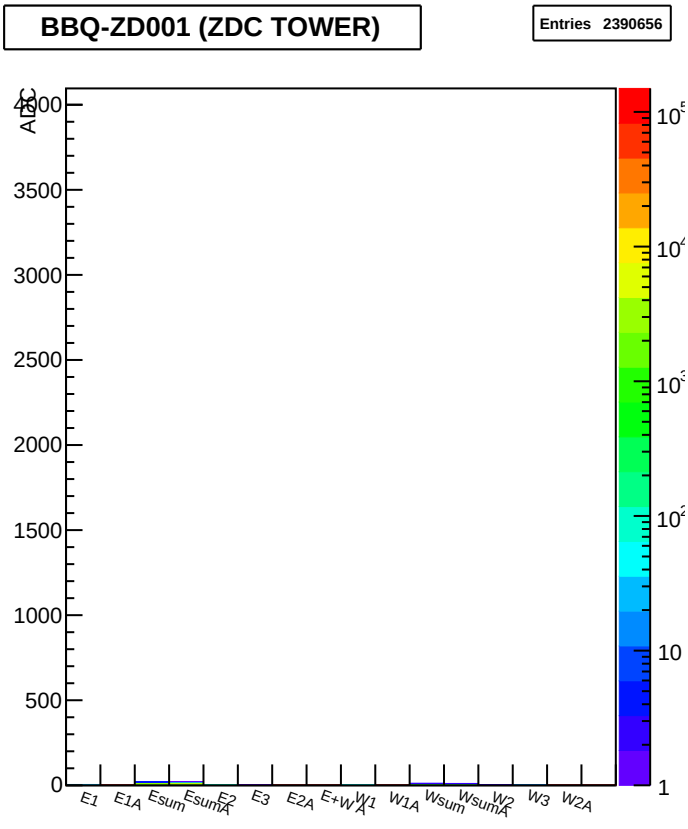

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

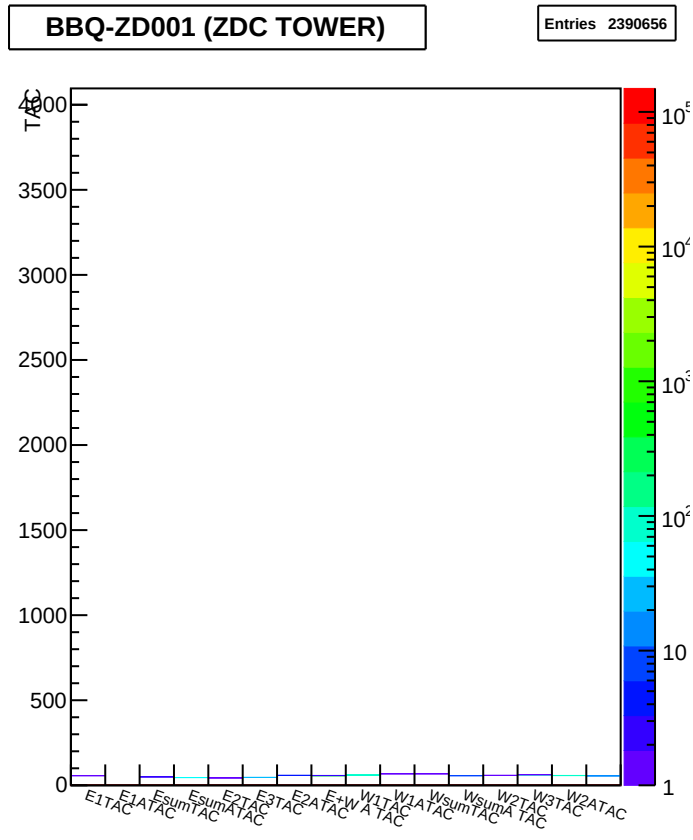

BBQ-BB001 (BBC east small tiles ADC)
Entries 2390656
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

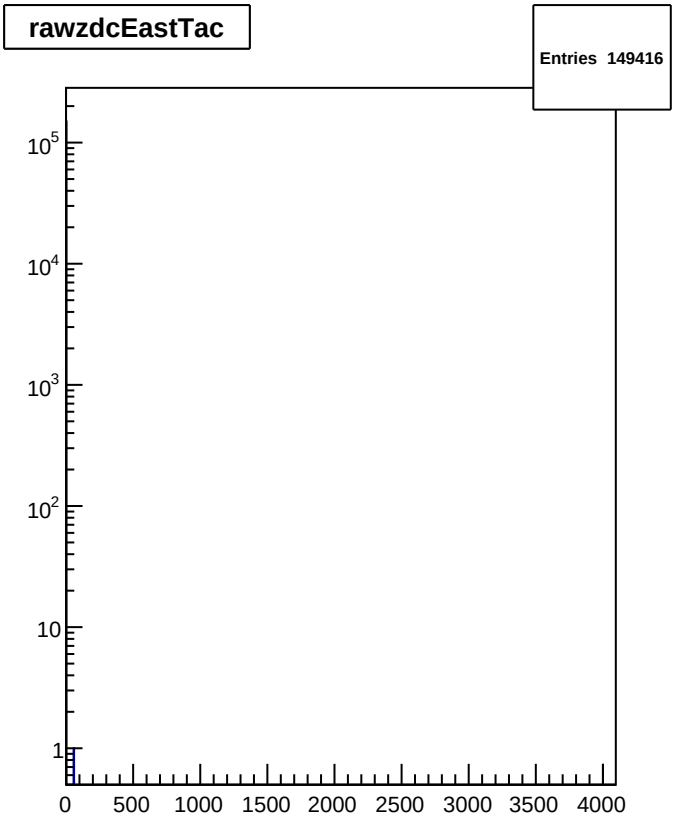

BBQ-BB001 (BBC east small tiles TAC)
Entries 2390656
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

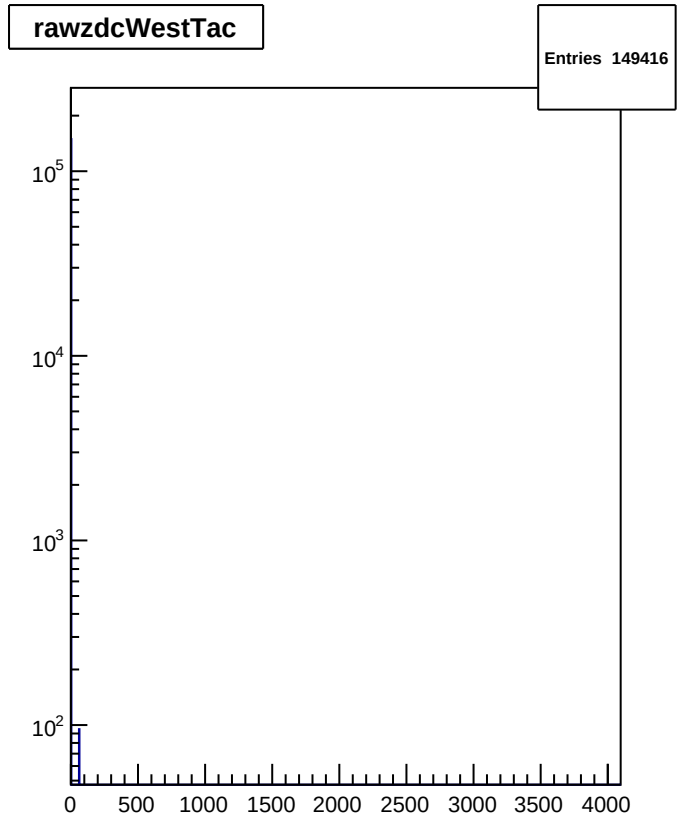

BBQ-BB002 (BBC west small tiles ADC)
Entries 2390656
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

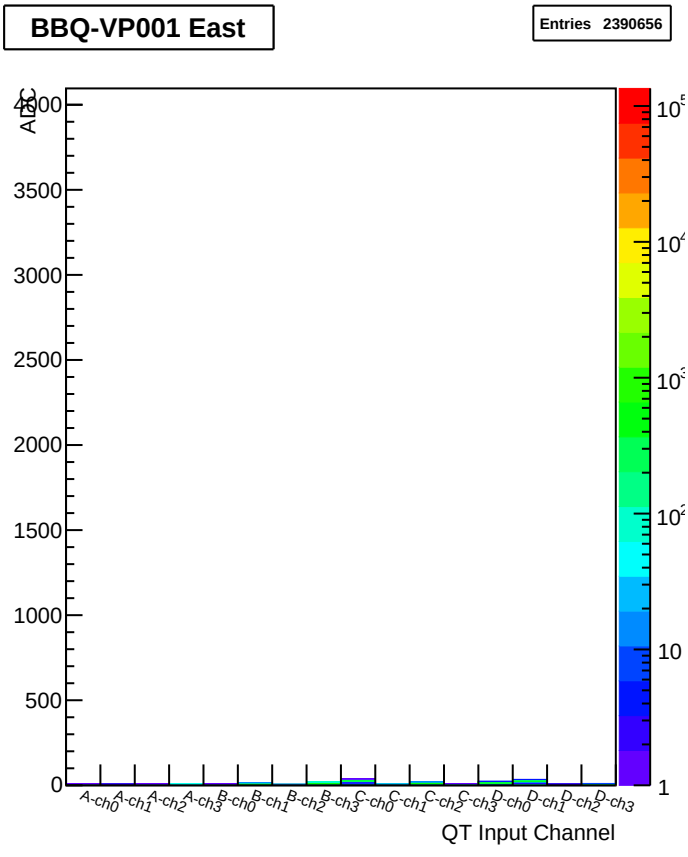

BBQ-BB002 (BBC west small tiles TAC)
Entries 2390656
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

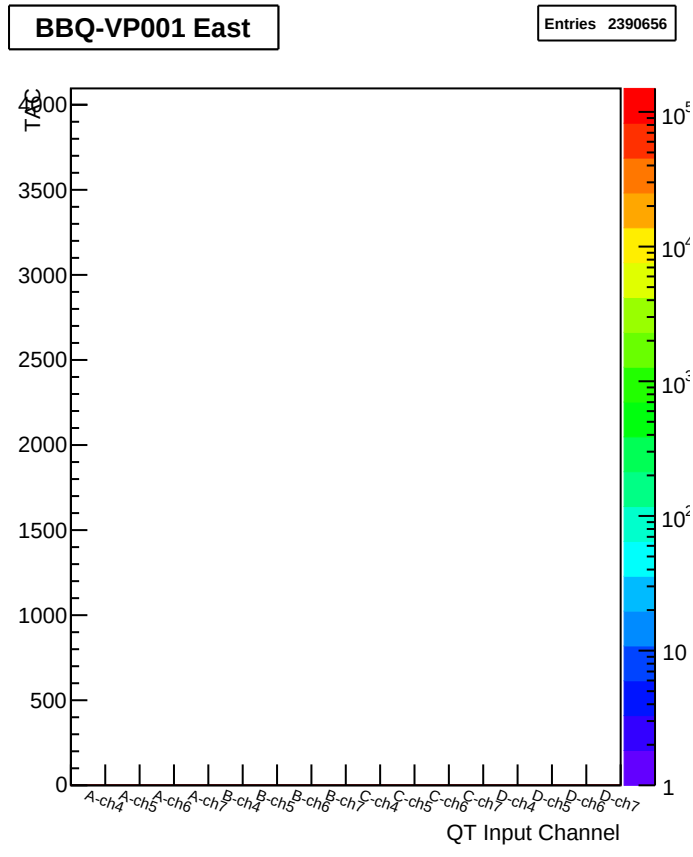

BBQ-ZD001 (ZDC TOWER)
Entries 2390656
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A
10
1

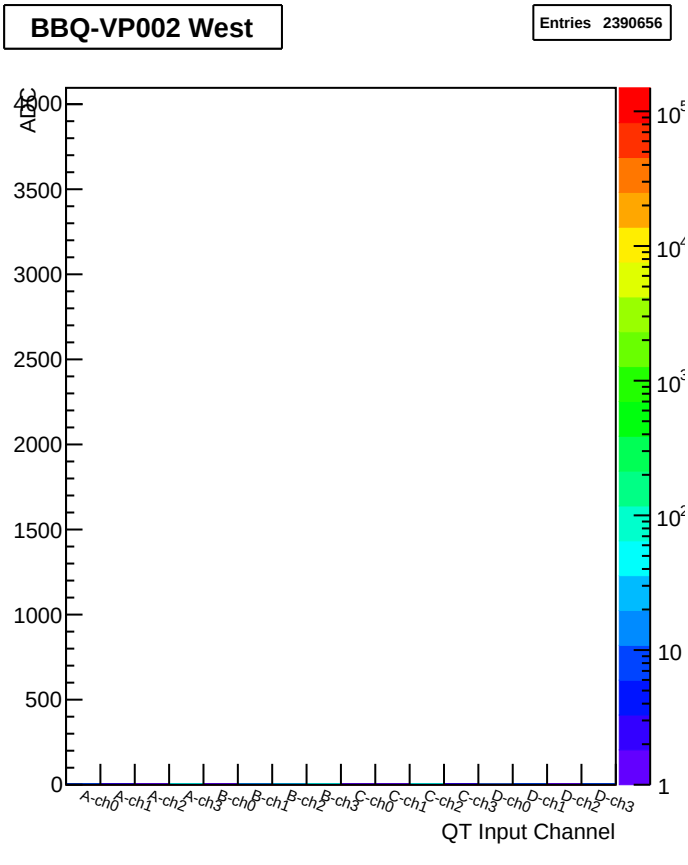

BBQ-ZD001 (ZDC TOWER)
Entries 2390656
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC
10
1

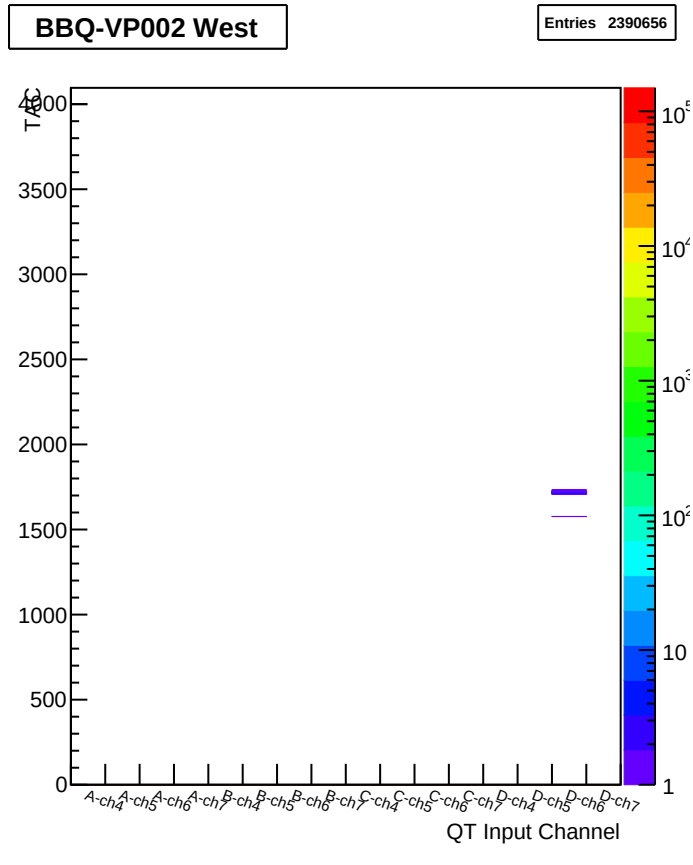

rawzdcEastTac
Entries 149416
10
1
0
500
1000
1500
2000
2500
3000
3500
4000

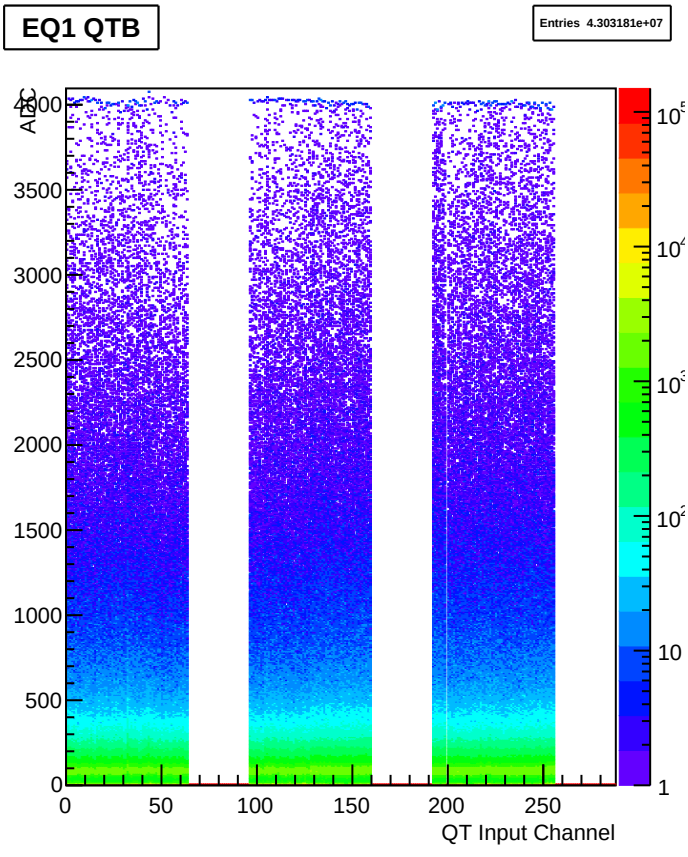

rawzdcWestTac
Entries 149416
0
500
1000
1500
2000
2500
3000
3500
4000

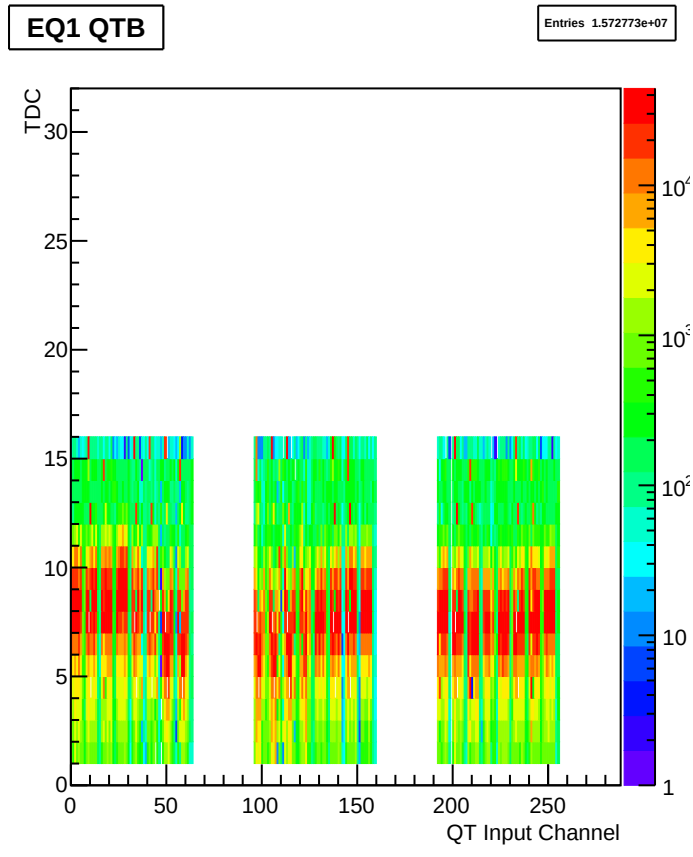

BBQ-VP001 East
Entries 2390656
ADC
QT Input Channel

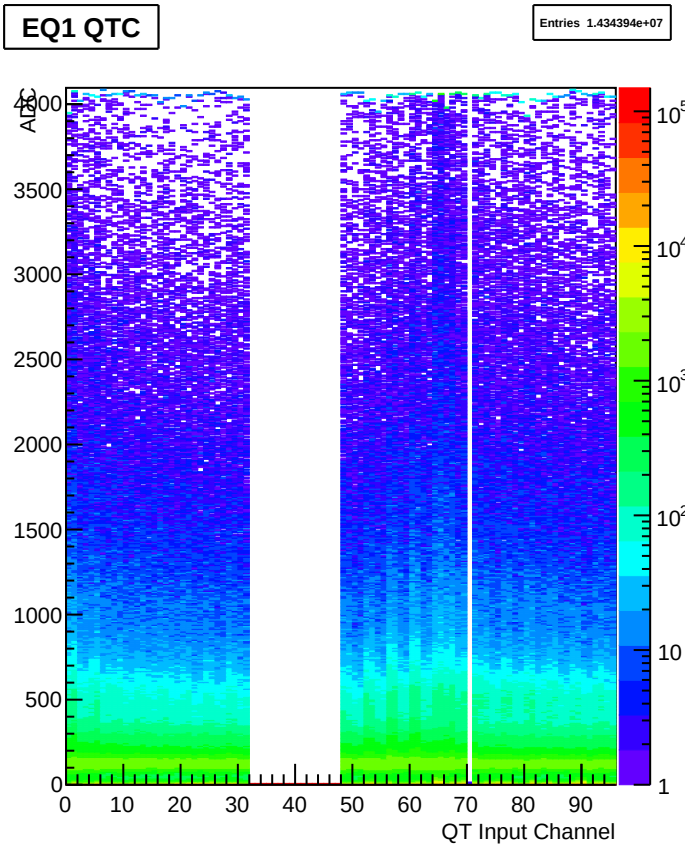

BBQ-VP001 East
Entries 2390656
TADC
QT Input Channel

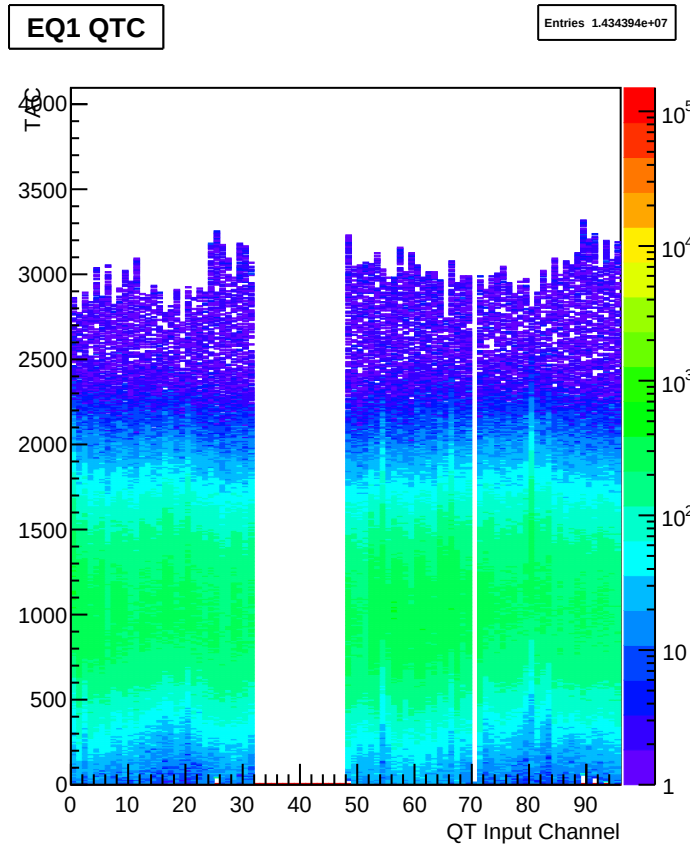

BBQ-VP002 West
Entries 2390656
ADC
QT Input Channel

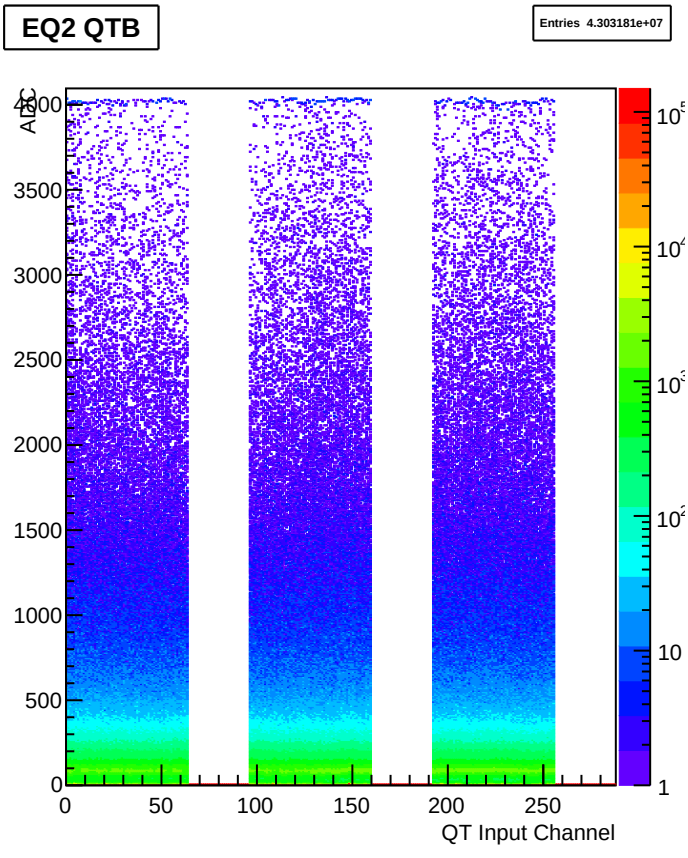

BBQ-VP002 West
Entries 2390656
TADC
QT Input Channel

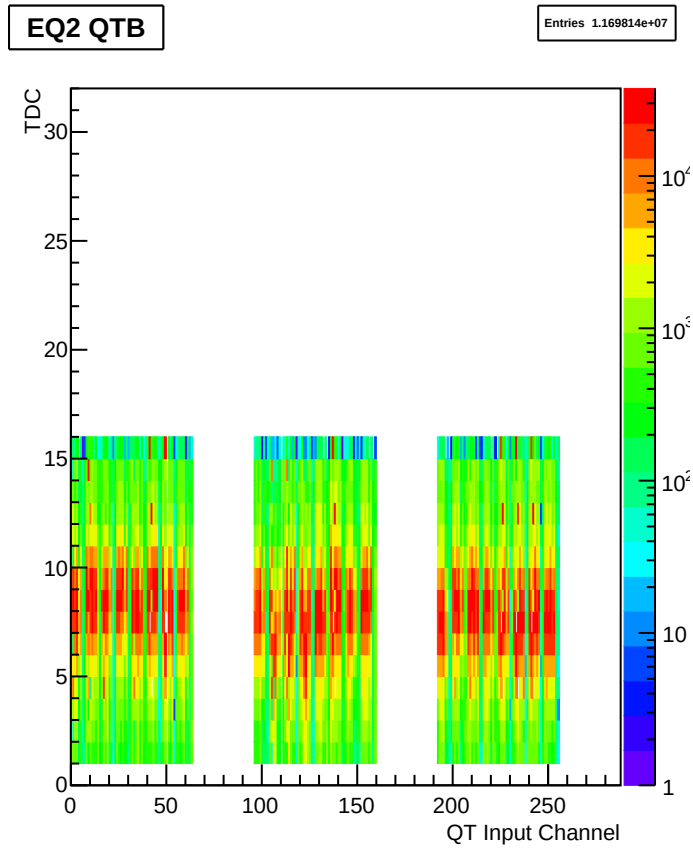

EQ1 QTB
Entries 4.303181e+07
ADC
QT Input Channel

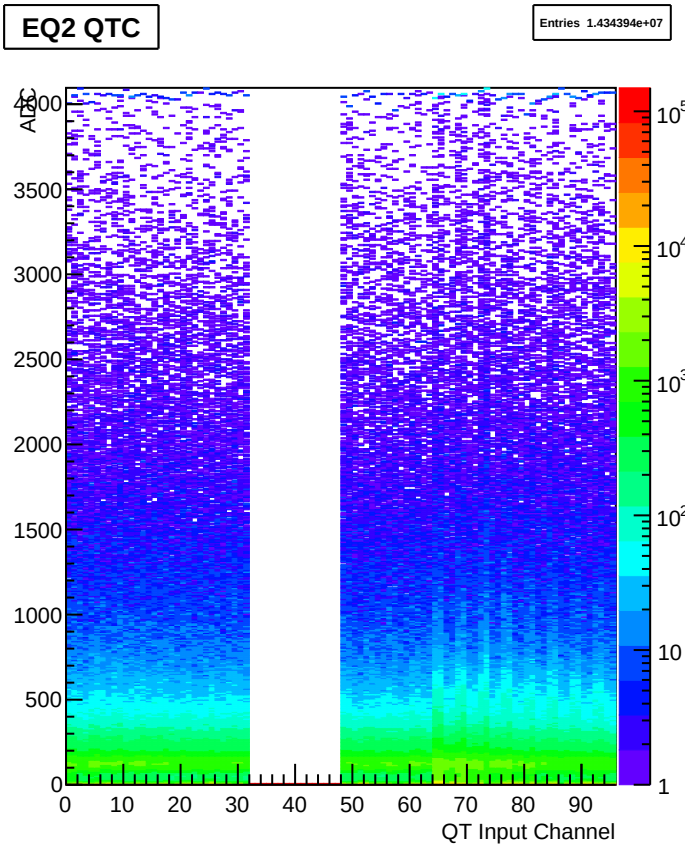

EQ1 QTB
Entries 1.572773e+07
TDC
QT Input Channel

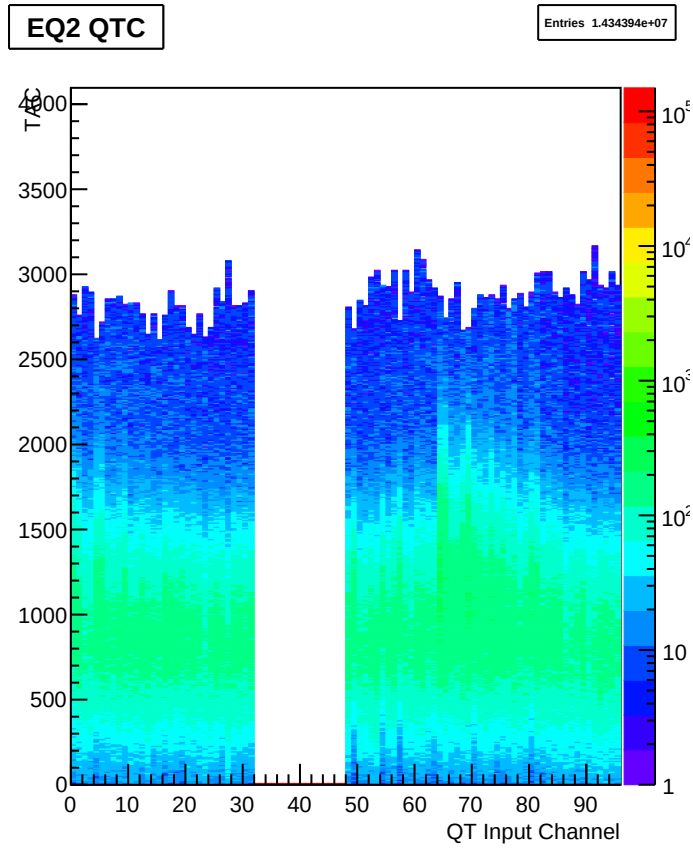

EQ1 QTC
Entries 1.434394e+07
ADC
QT Input Channel

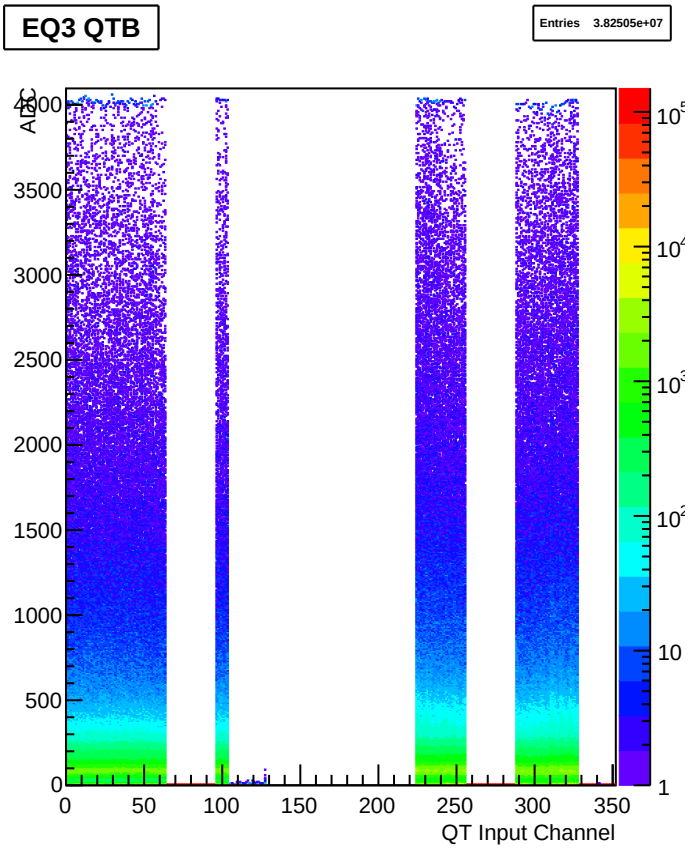

EQ1 QTC
Entries 1.434394e+07
TADC
QT Input Channel

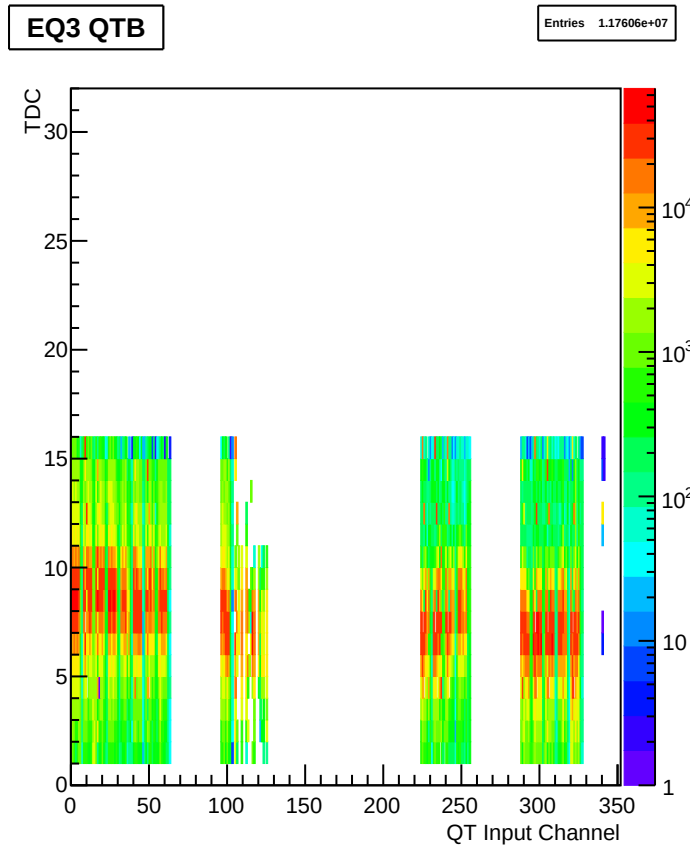

EQ2 QTB
Entries 4.303181e+07
ADC
QT Input Channel

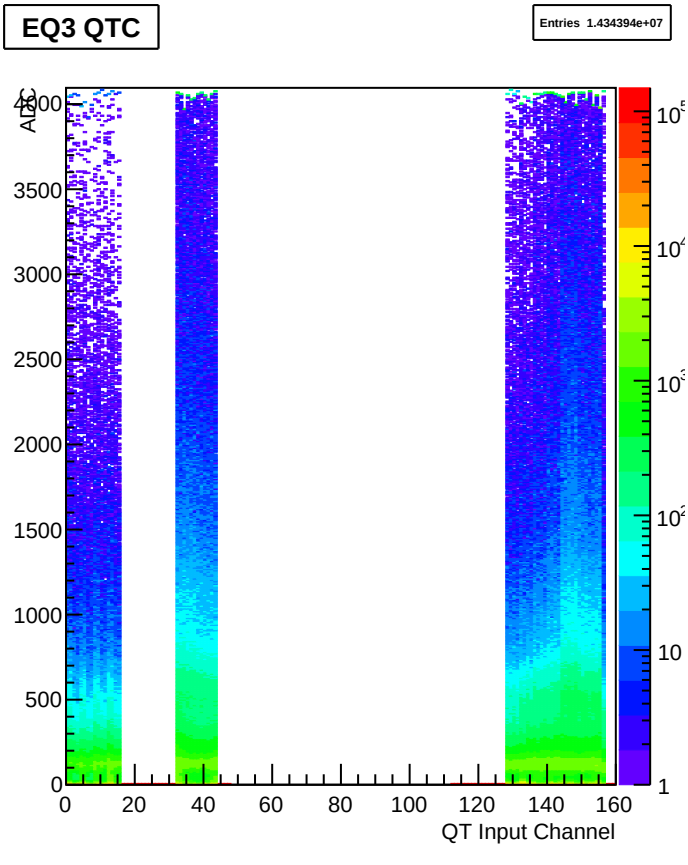

EQ2 QTB
Entries 1.169814e+07
TDC
QT Input Channel

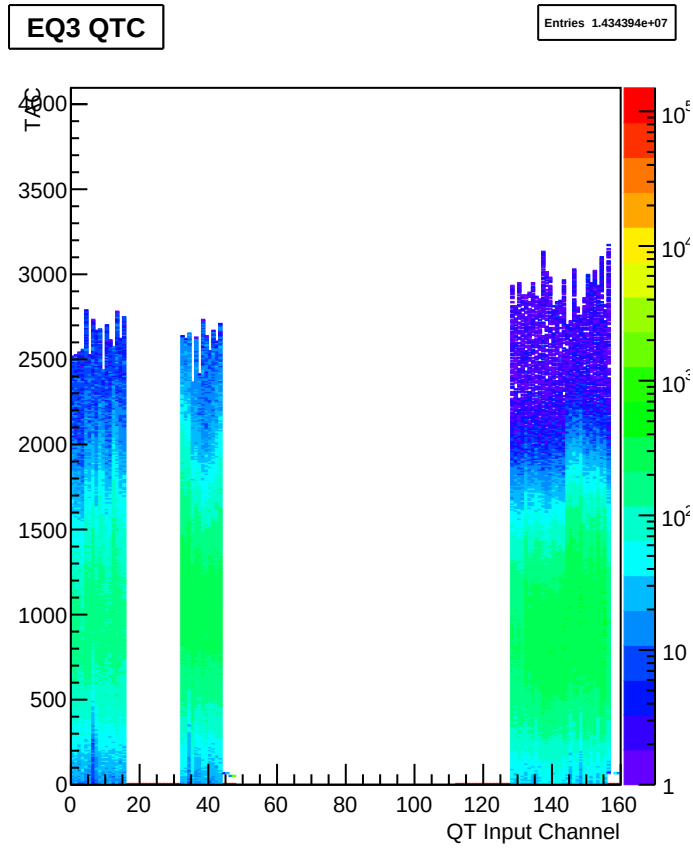

EQ2 QTC
Entries 1.434394e+07
ADC
QT Input Channel

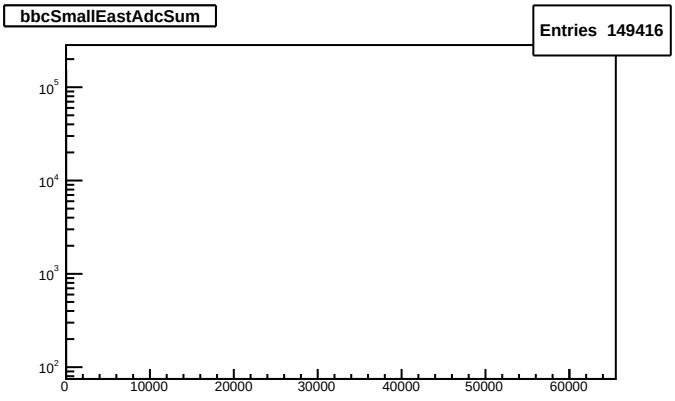

EQ2 QTC
Entries 1.434394e+07
TADC
QT Input Channel

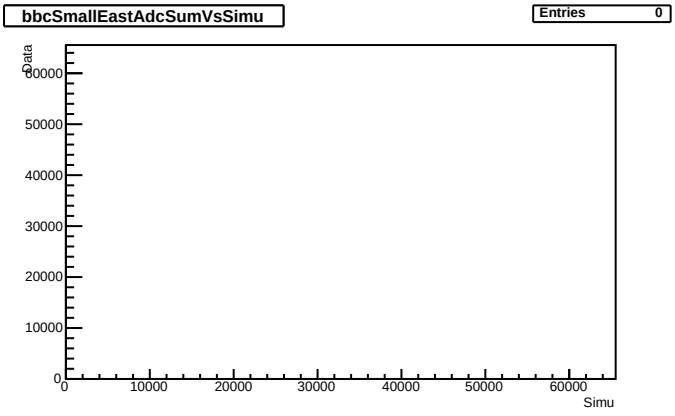

EQ3 QTB
Entries 3.82505e+07
ADC
QT Input Channel

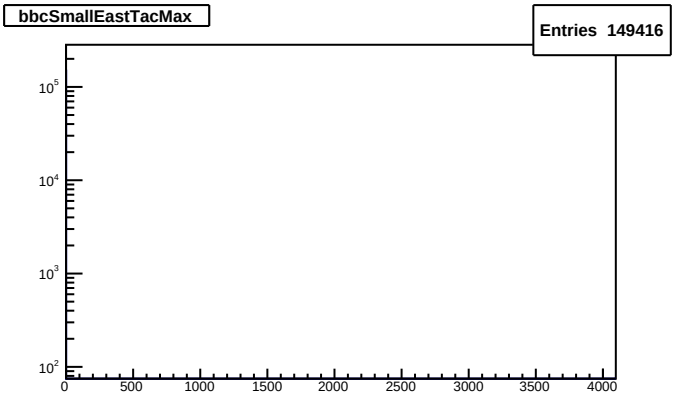

EQ3 QTB
Entries 1.17606e+07
TDC
QT Input Channel


EQ3 QTC
Entries 1.434394e+07
ADC
QT Input Channel


EQ3 QTC
Entries 1.434394e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 149416


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
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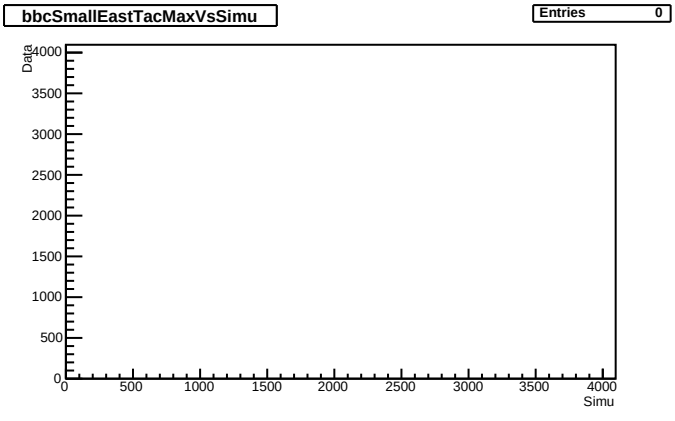
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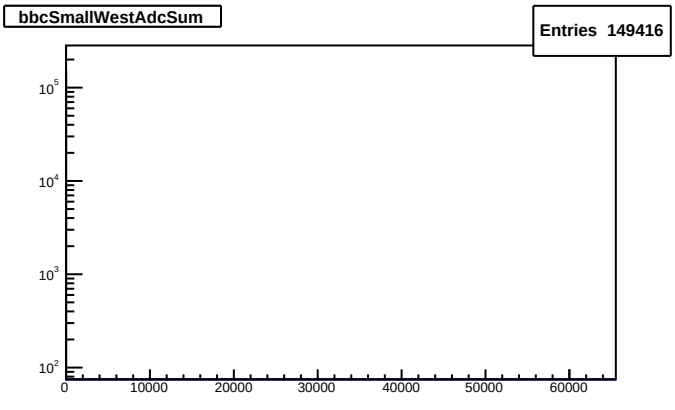
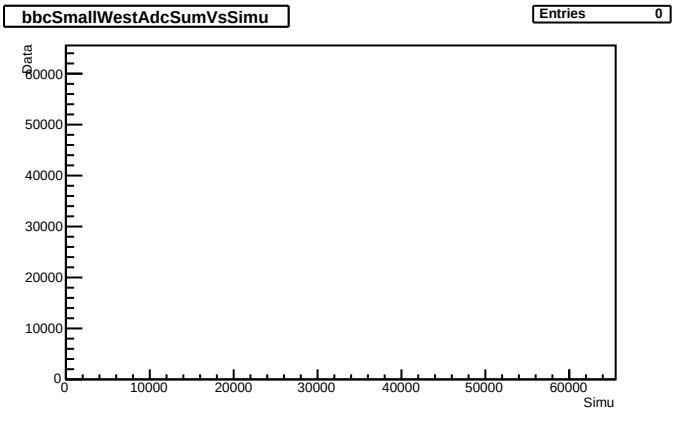
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 149416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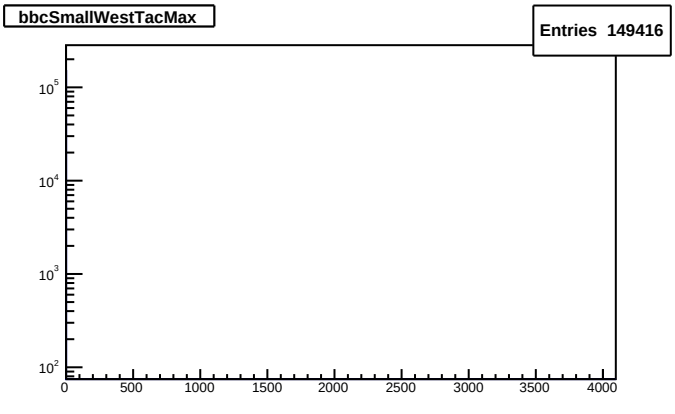
Data
Simu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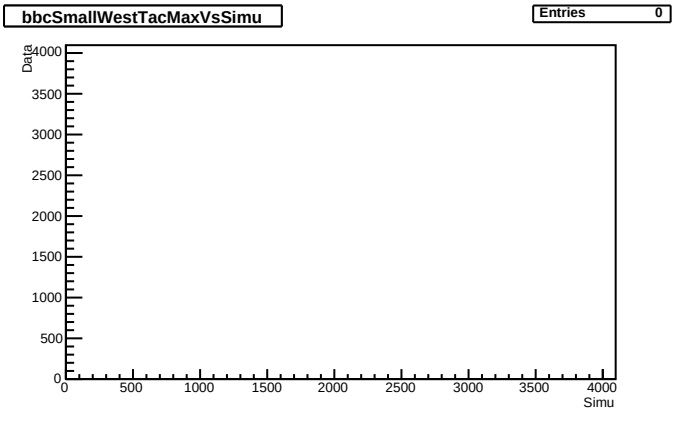
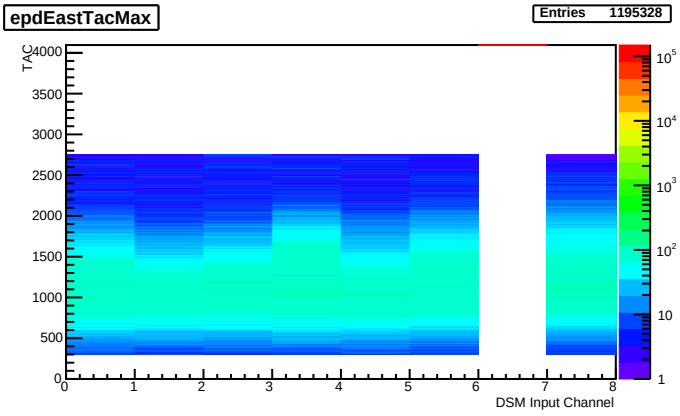
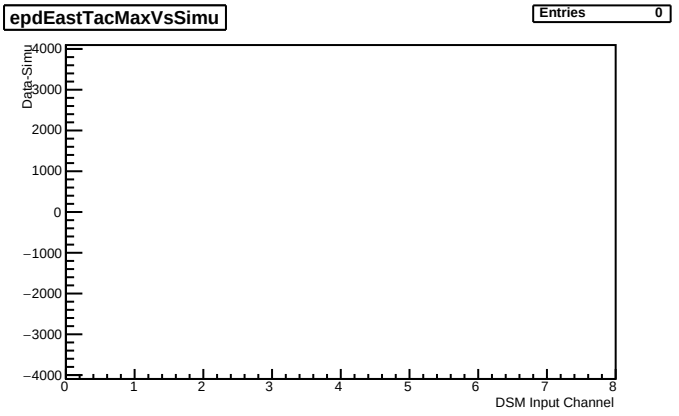
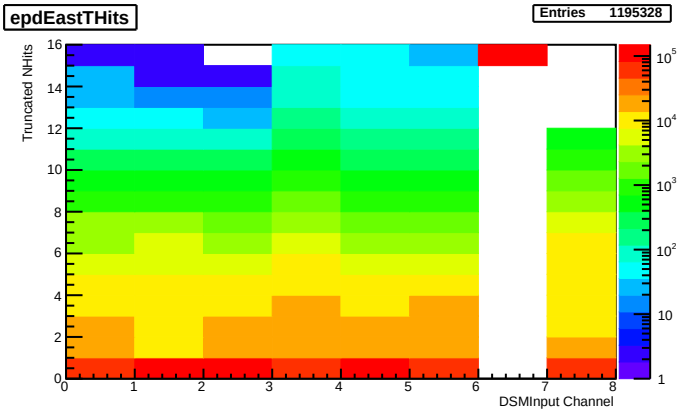
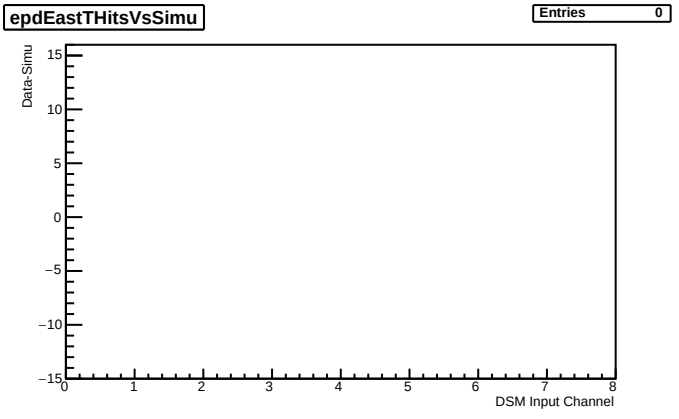
Entries 149416


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 1195328
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1195328
Truncated NHits
DSMInput Channel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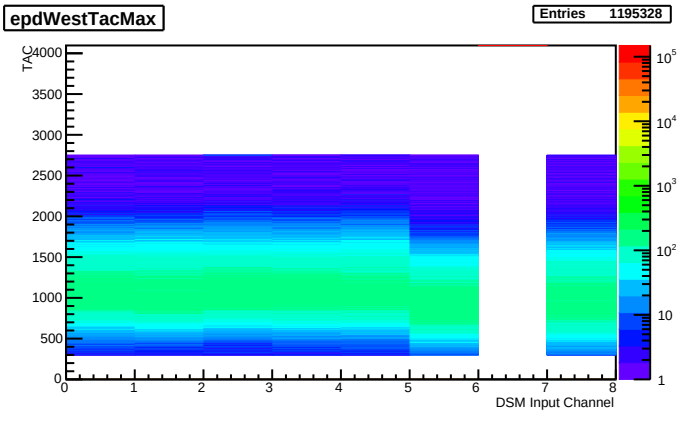
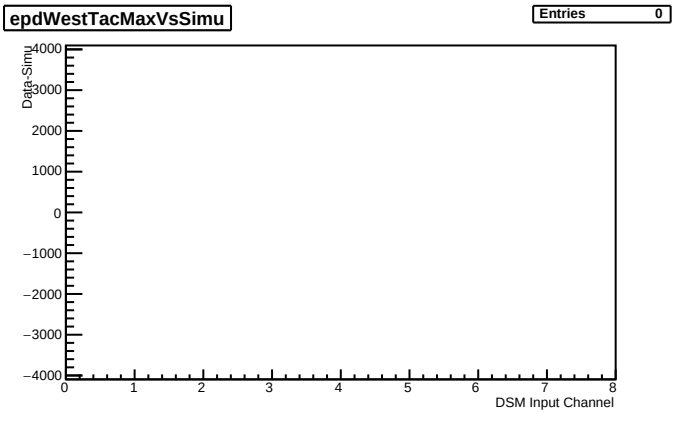
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 1195328
TAC
DSM Input Channel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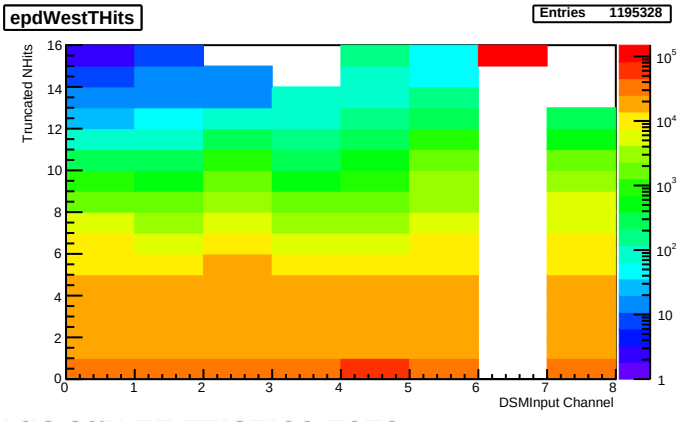
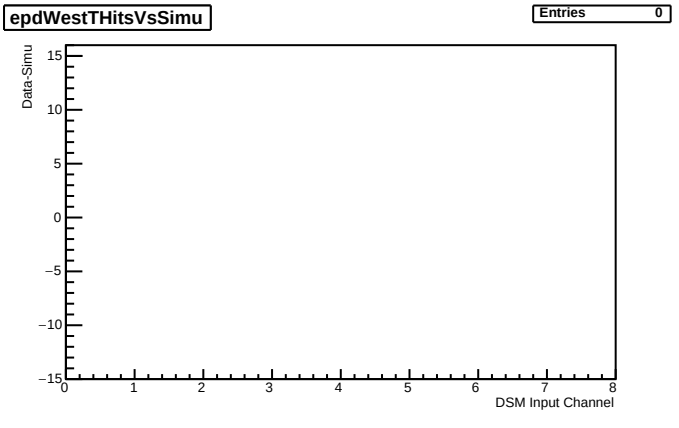
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1195328
Truncated NHits
DSMInput Channel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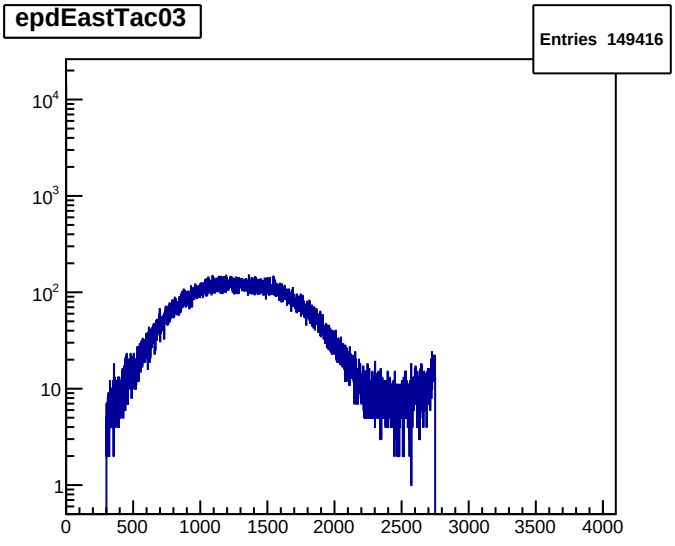
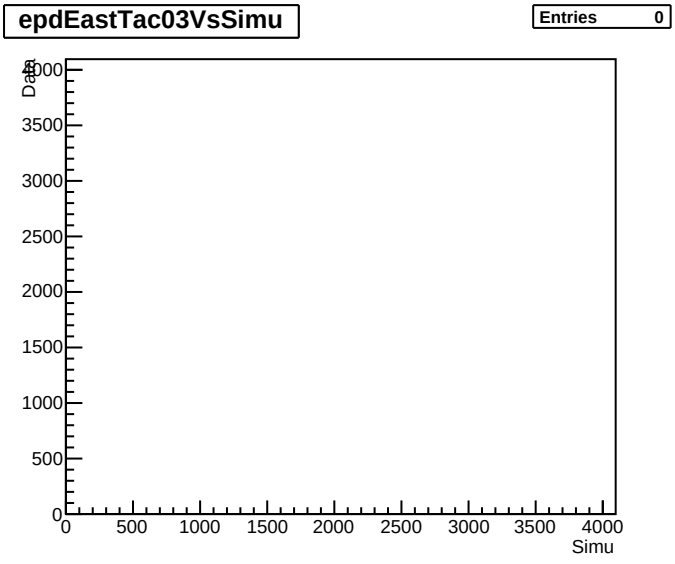
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 149416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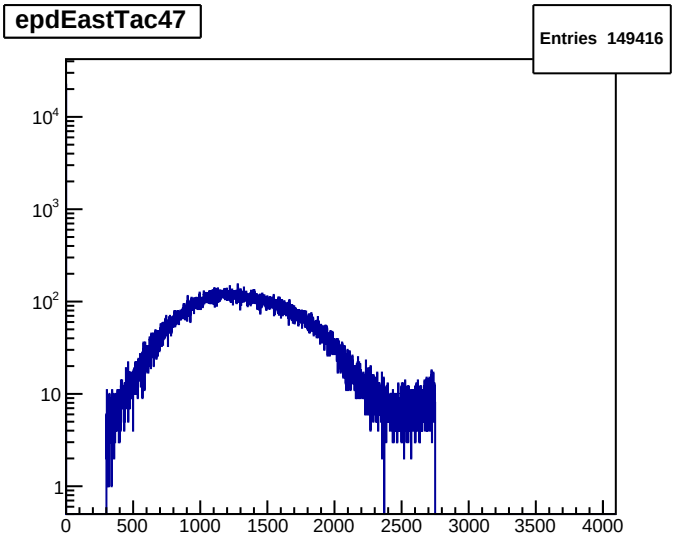
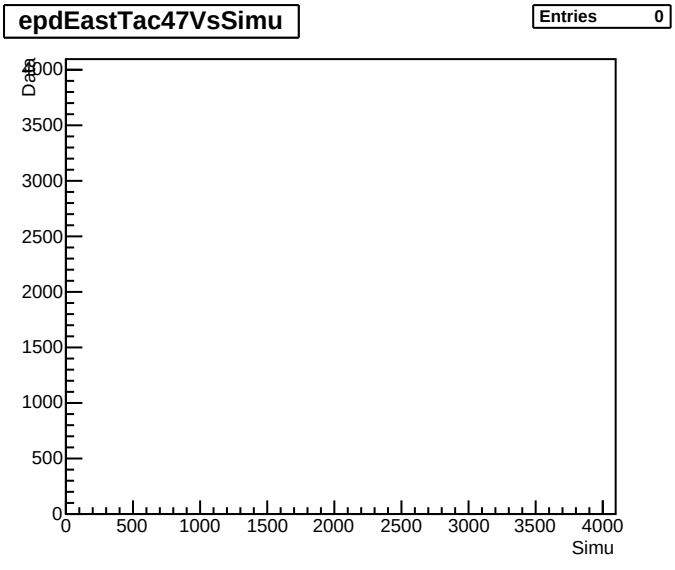
Entries 0
Data
Simu


epdEastTac47
Entries 149416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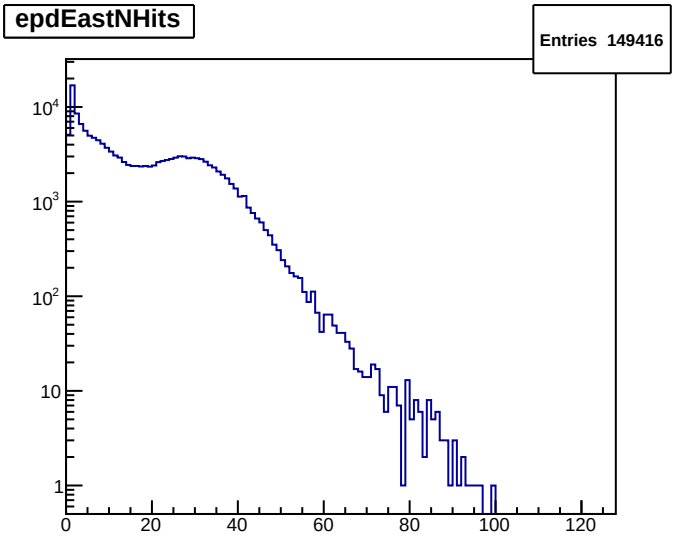
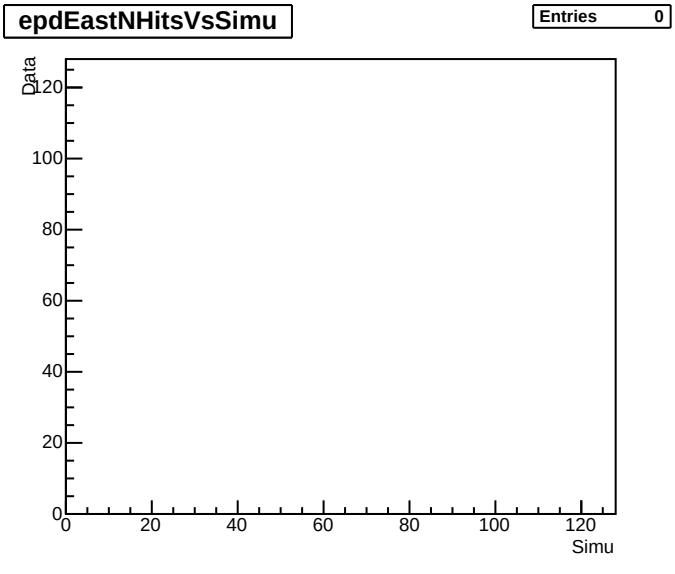
Entries 0
Data
Simu


epdEastNHits
Entries 149416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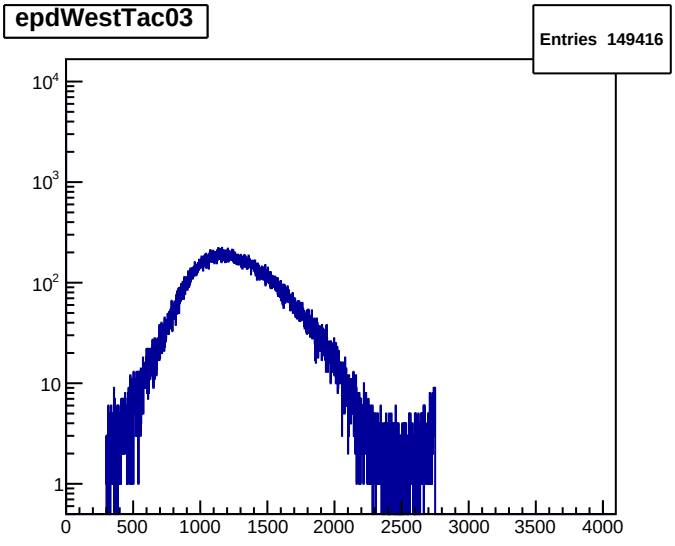
Entries 0
Data
Simu


epdWestTac03
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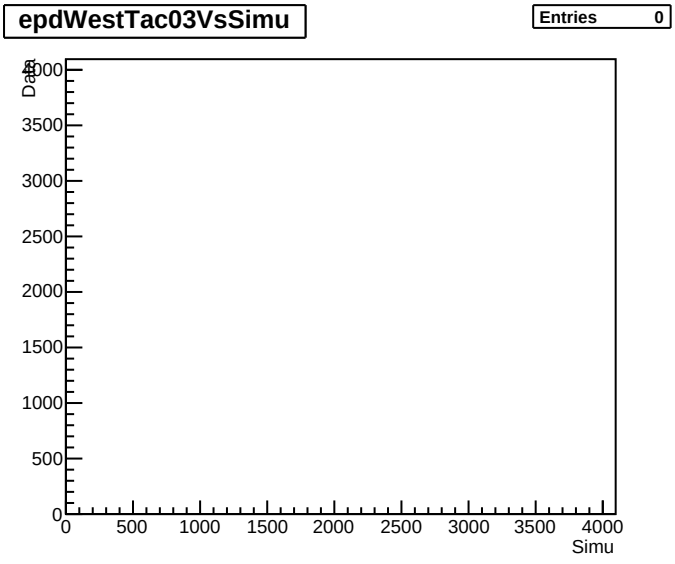
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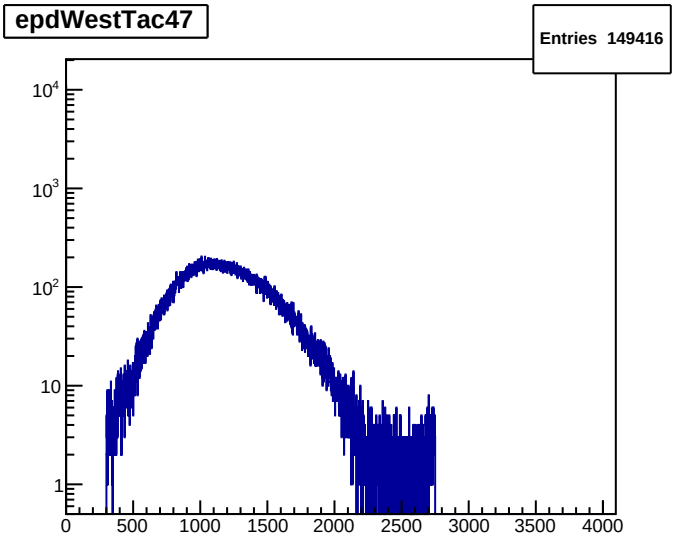
Entries 0
Data
Simu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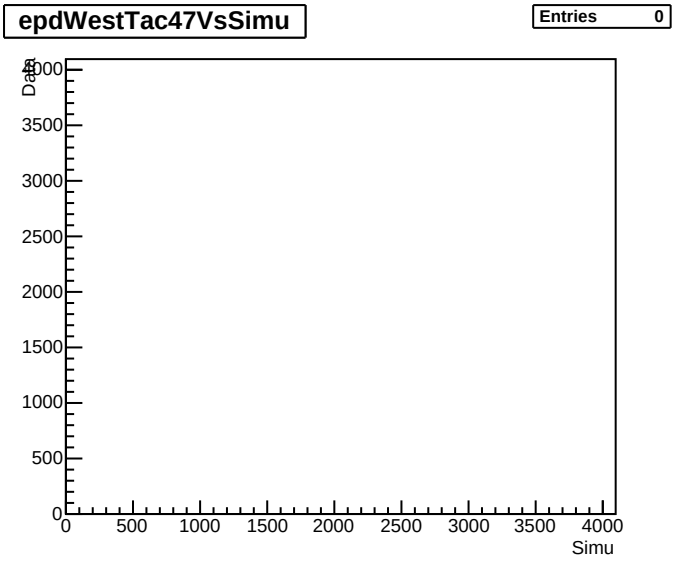
Entries 149416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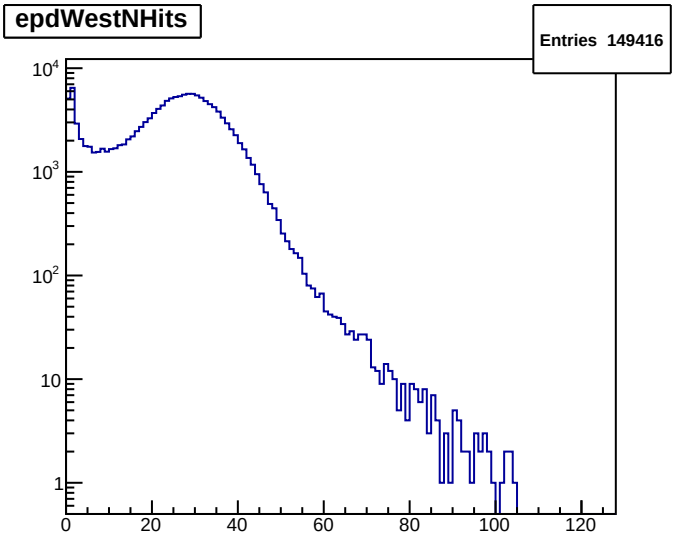
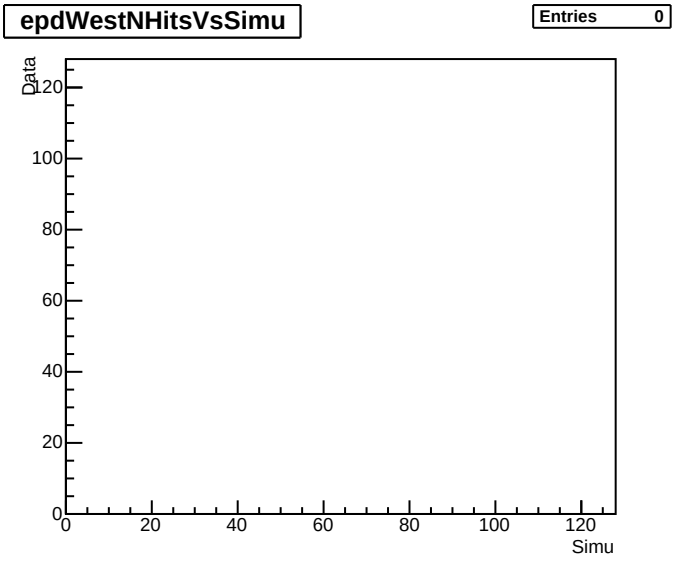
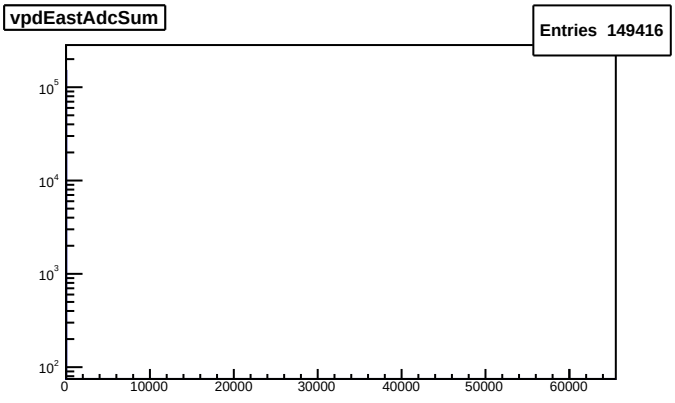
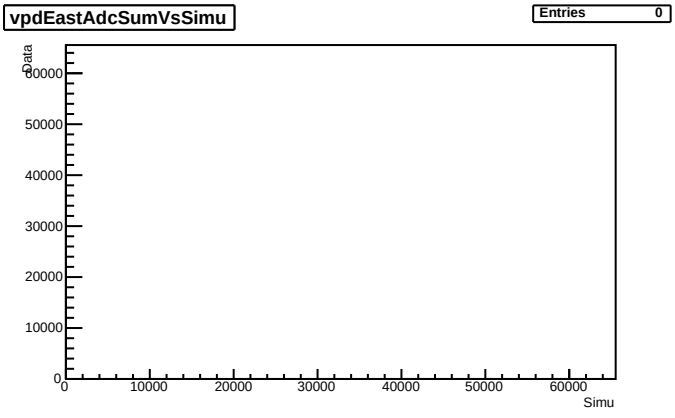
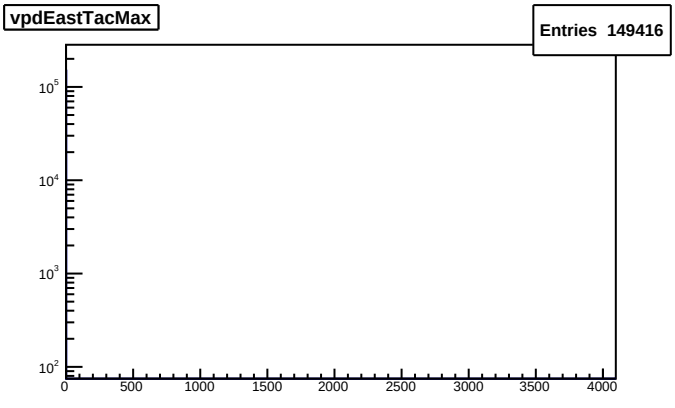
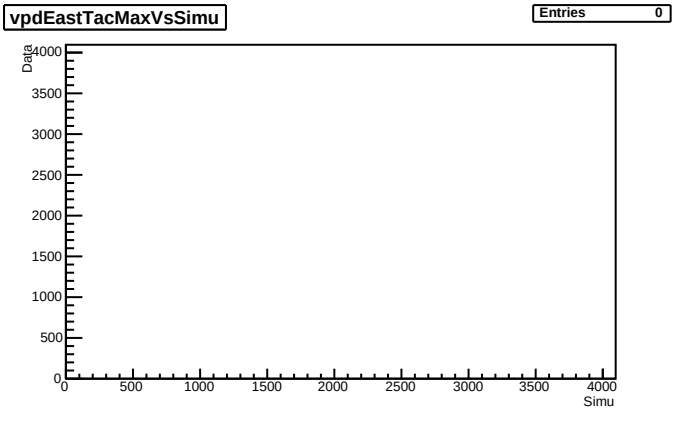

epdWestNHits
Entries 149416

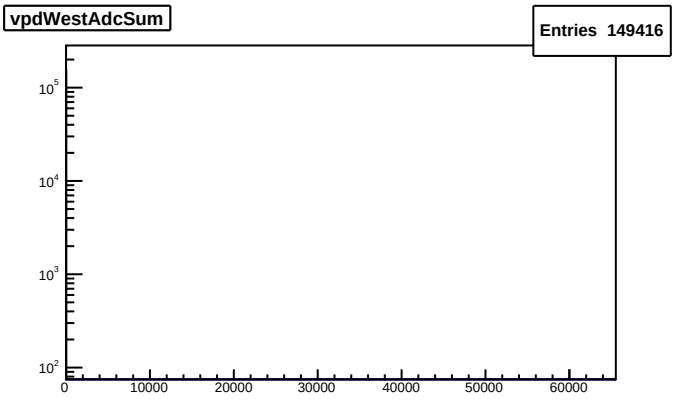

epdWestNHitsVsSimu
Entries 0
Data
Simu

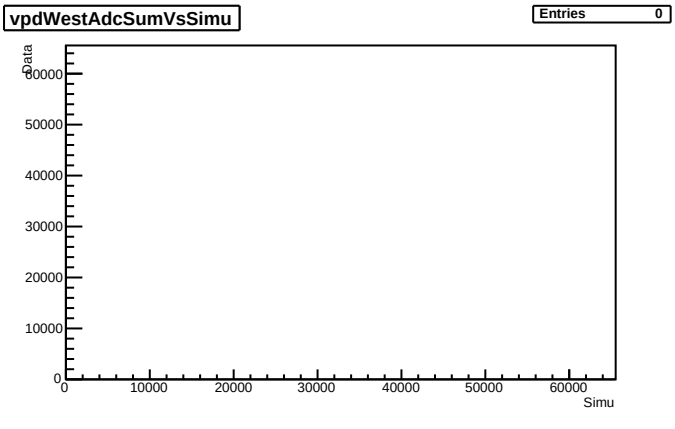

vpdEastAdcSum
Entries 149416


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 149416


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 149416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Entries 0
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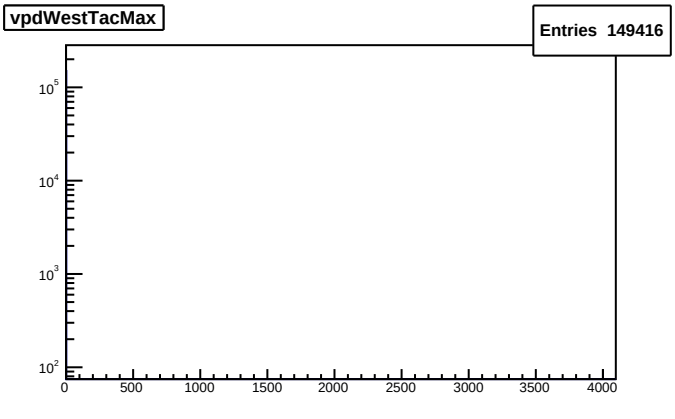
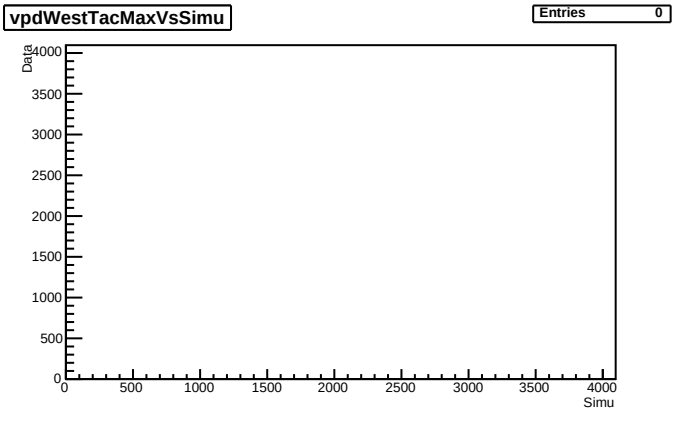
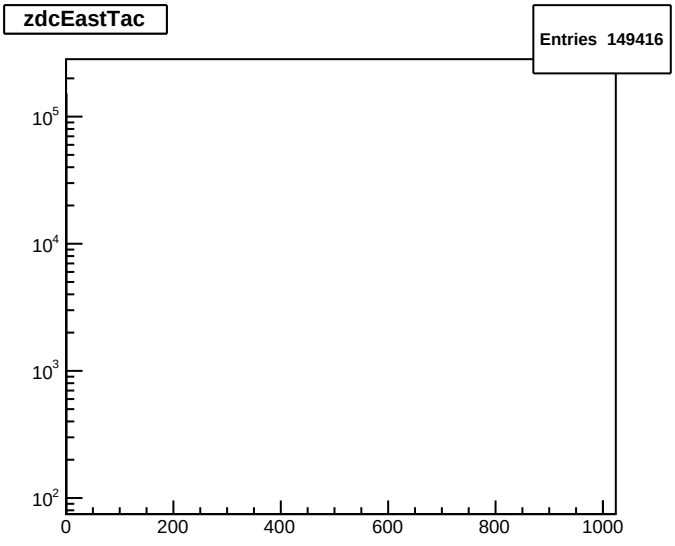
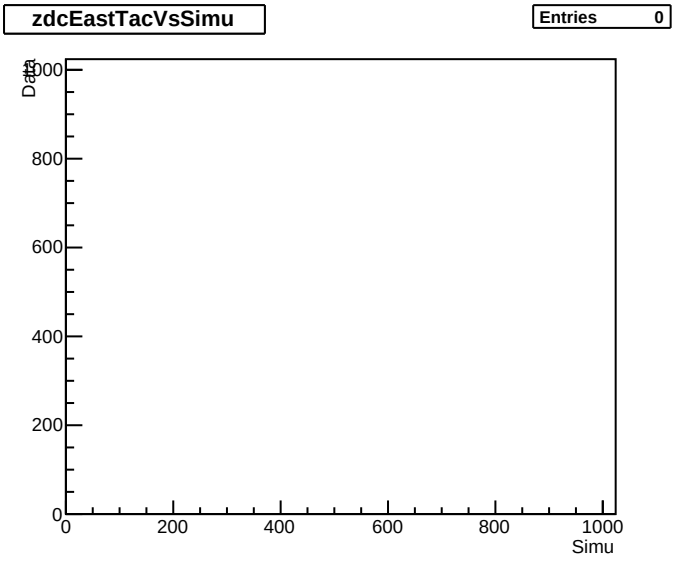
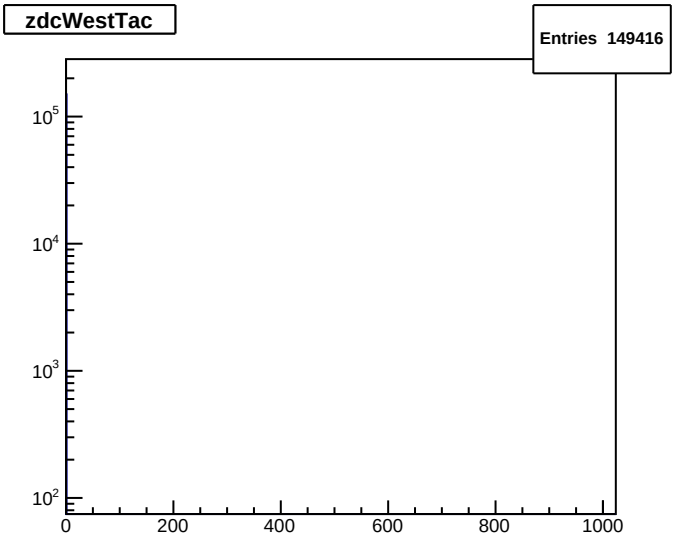
Simu

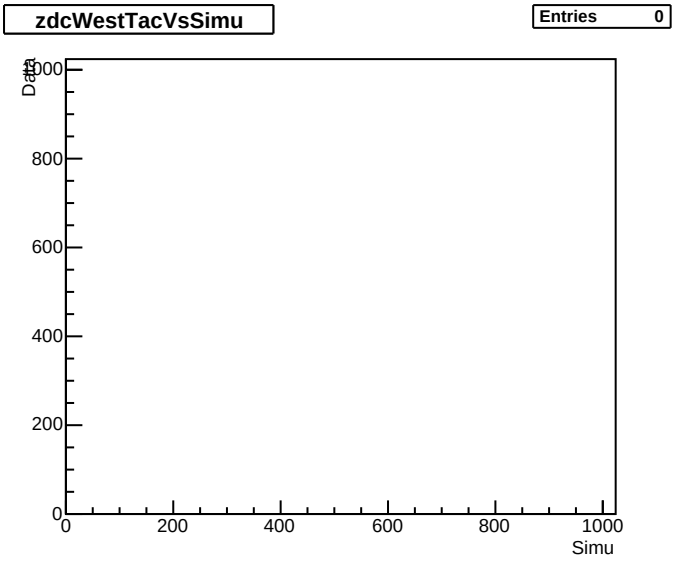

vpdWestTacMax
Entries 149416

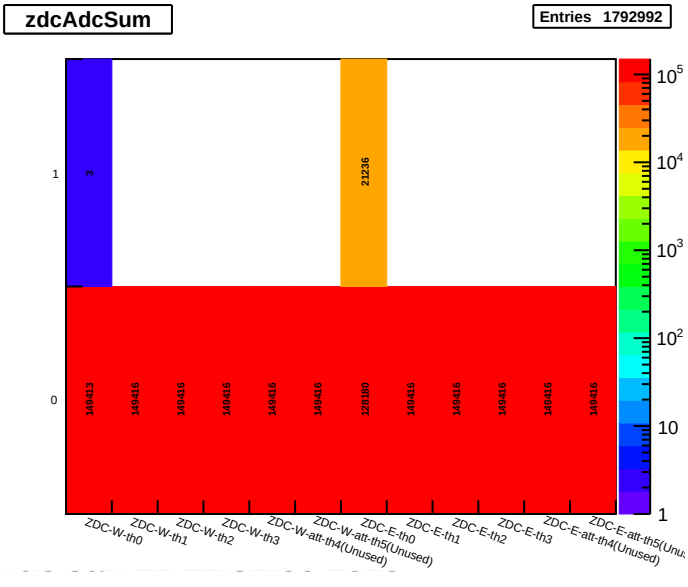

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

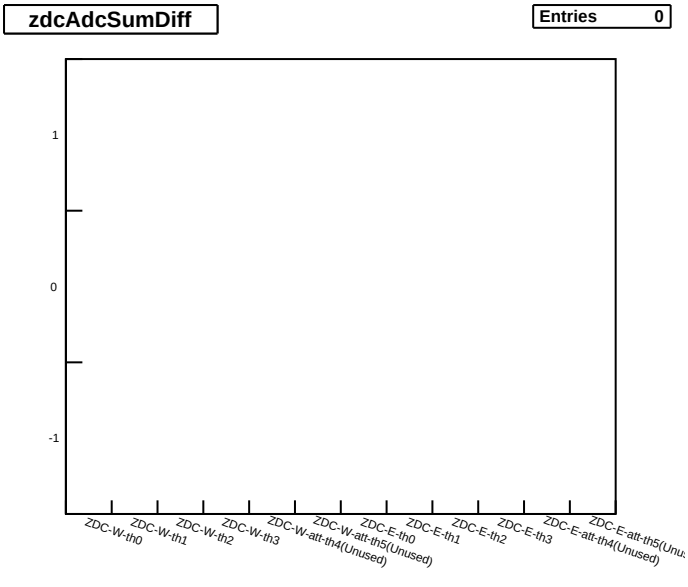

zdcEastTac
Entries 149416
10^5
10^4
10^3
10^2
0
200
400
600
800
1000

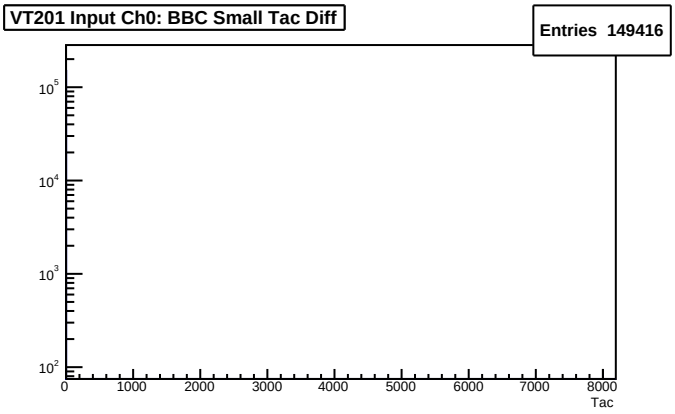

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

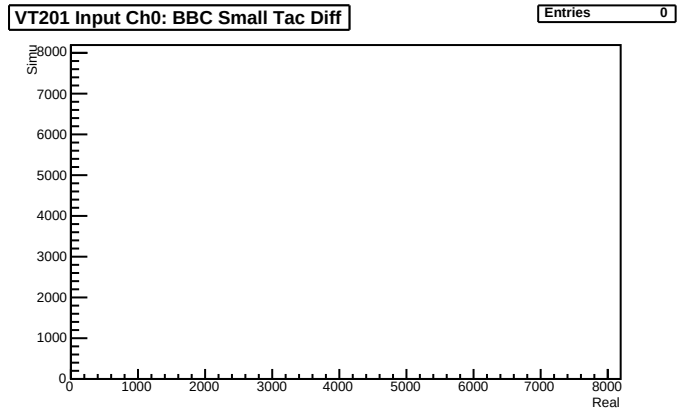

zdcWestTac
Entries 149416
10^5
10^4
10^3
10^2
0
200
400
600
800
1000

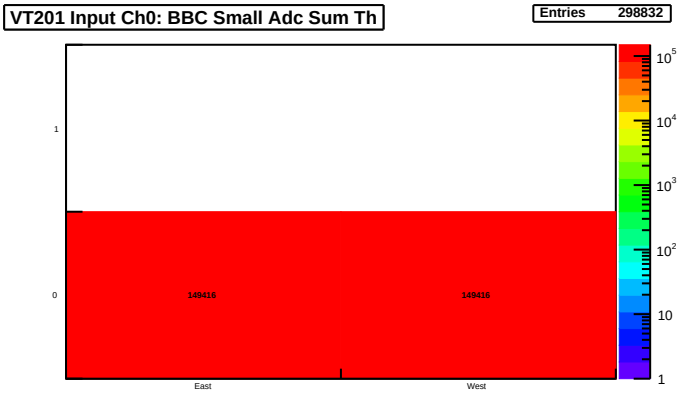

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

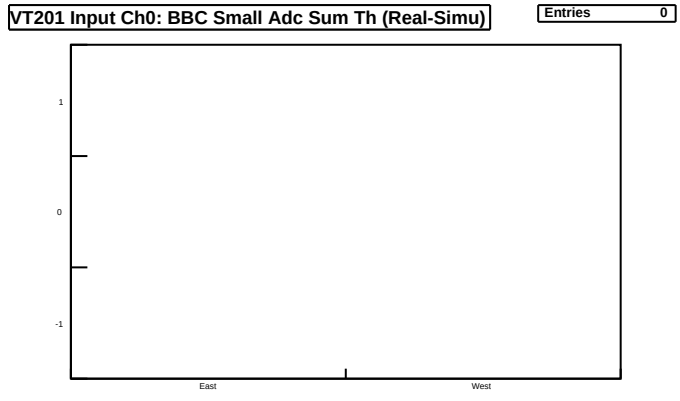

zdcAdcSum
Entries 1792992
1
0
3
21236
149413
149416
128180
10^5
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

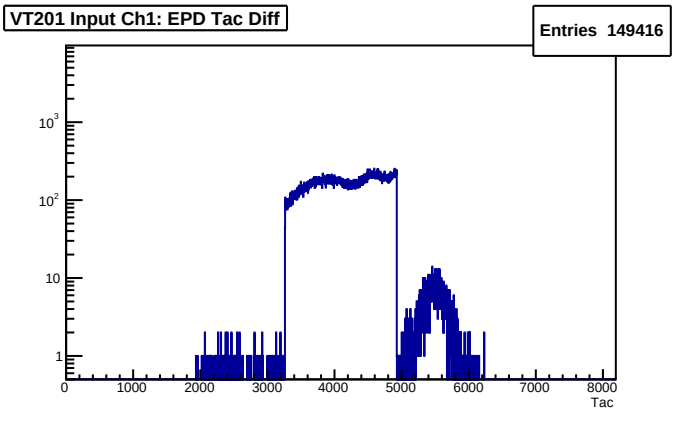

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

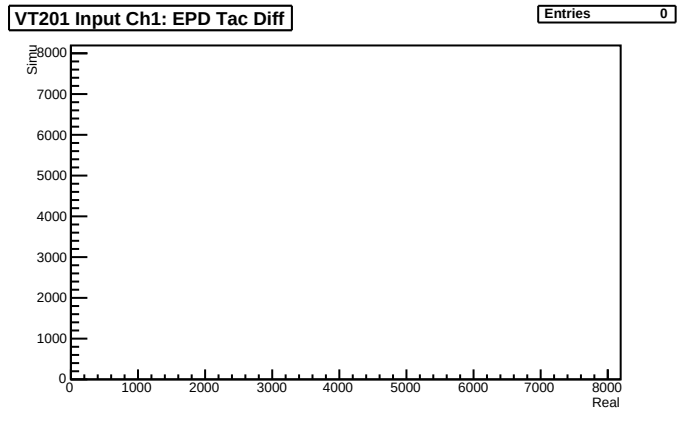

VT201 Input Ch0: BBC Small Tac Diff
Entries 149416
Tac

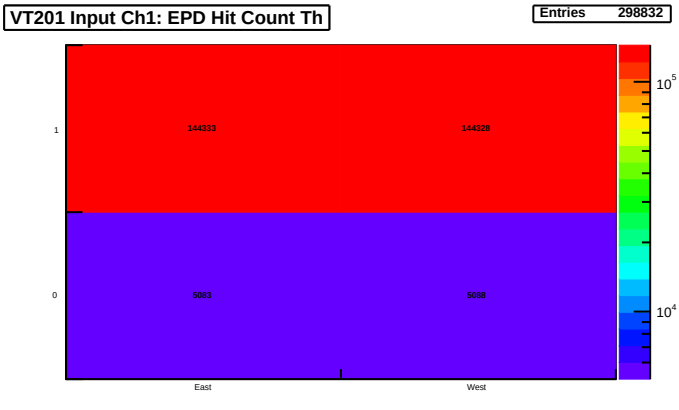

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

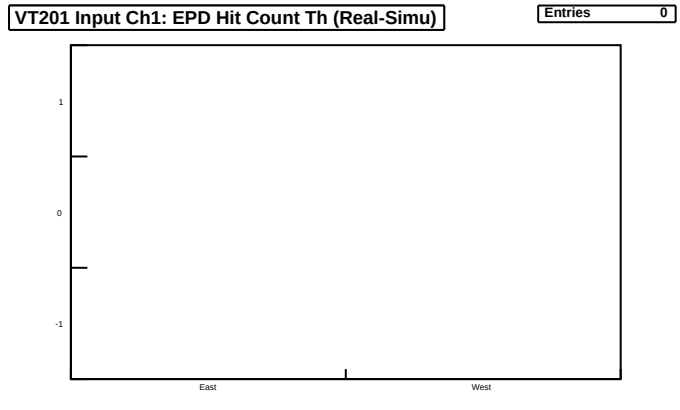

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 298832
149416
149416
East
West

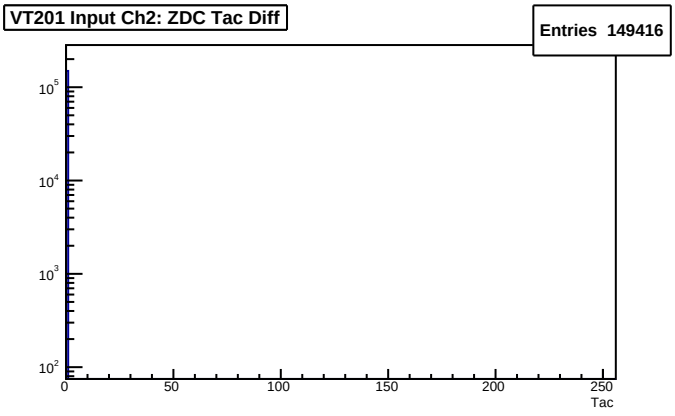

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

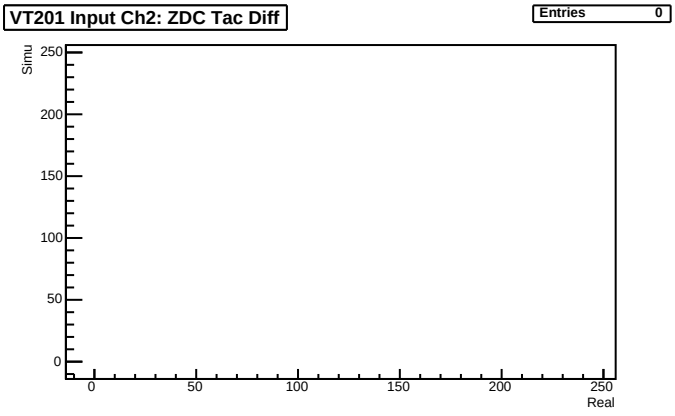

VT201 Input Ch1: EPD Tac Diff
Entries 149416
Tac

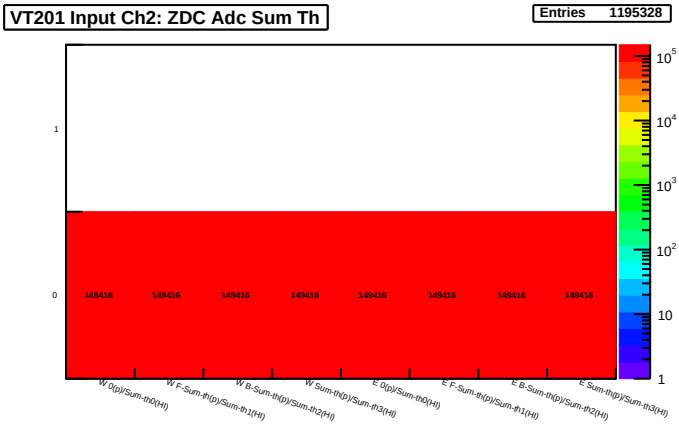

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

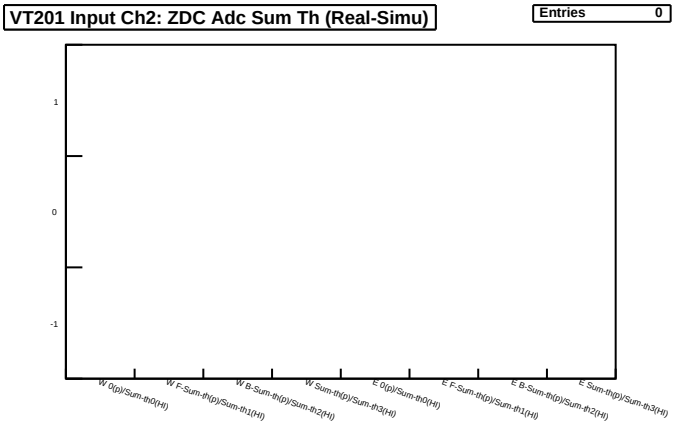

VT201 Input Ch1: EPD Hit Count Th
Entries 298832
144333
144328
5083
5088
East
West

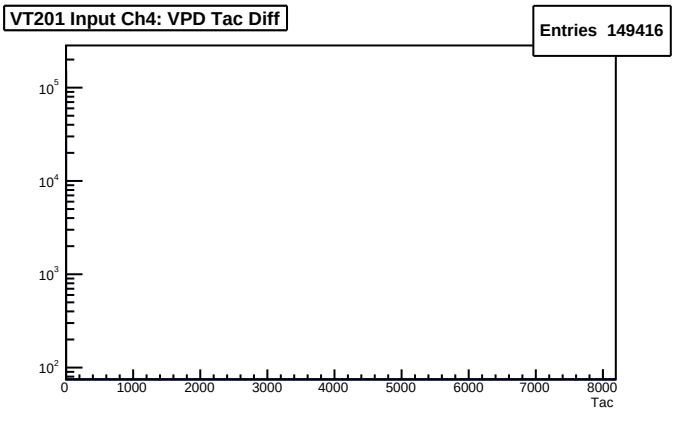

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

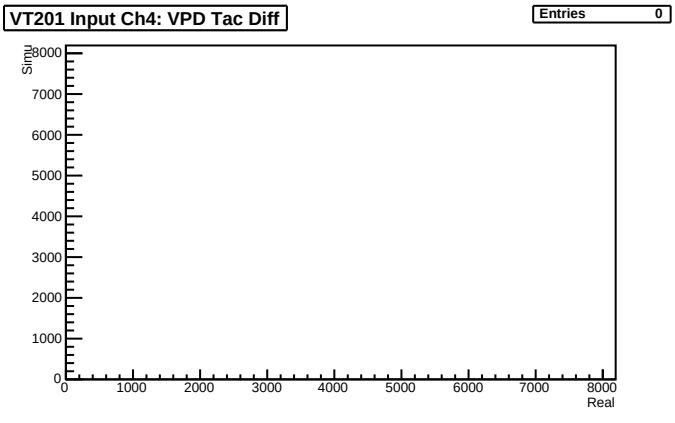

VT201 Input Ch2: ZDC Tac Diff
Entries 149416
Tac

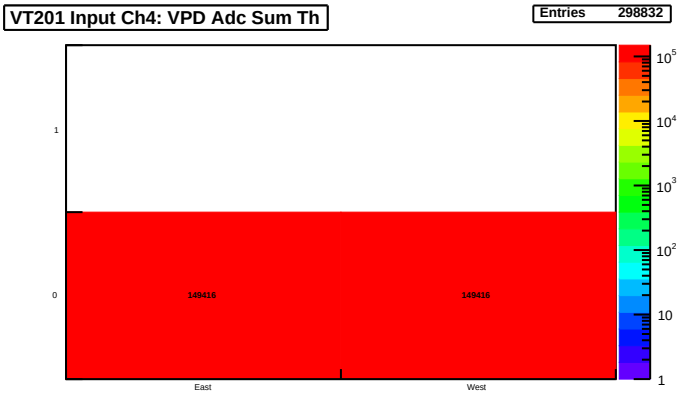

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

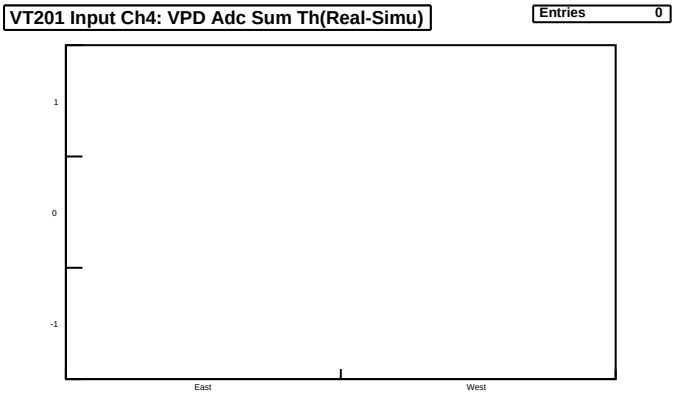

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1195328
149416
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

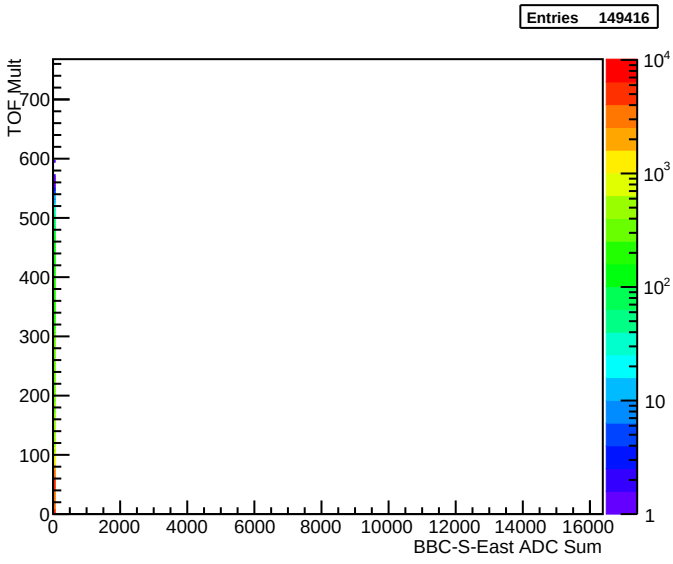

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

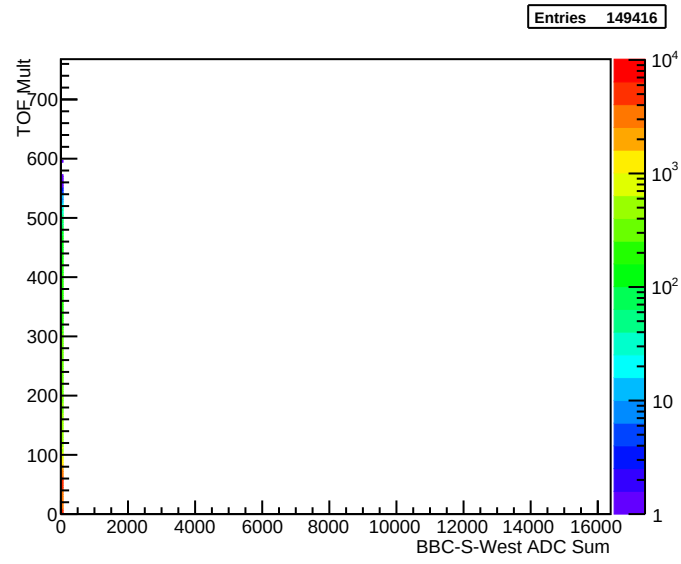

VT201 Input Ch4: VPD Tac Diff
Entries 149416
Tac

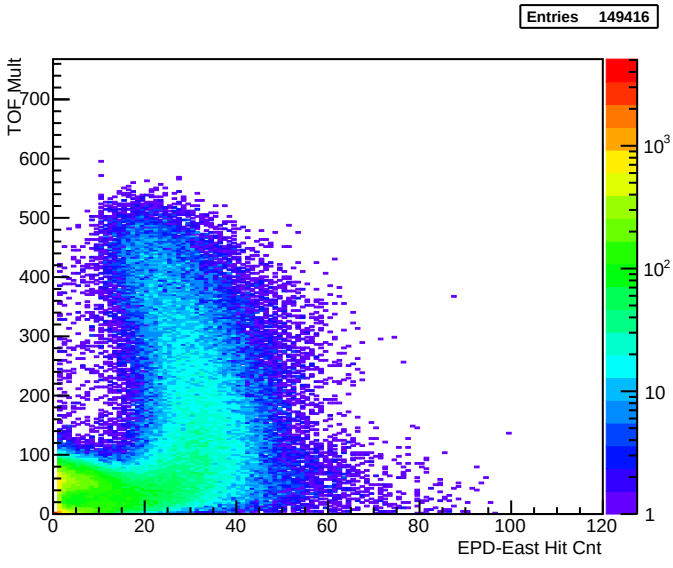

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

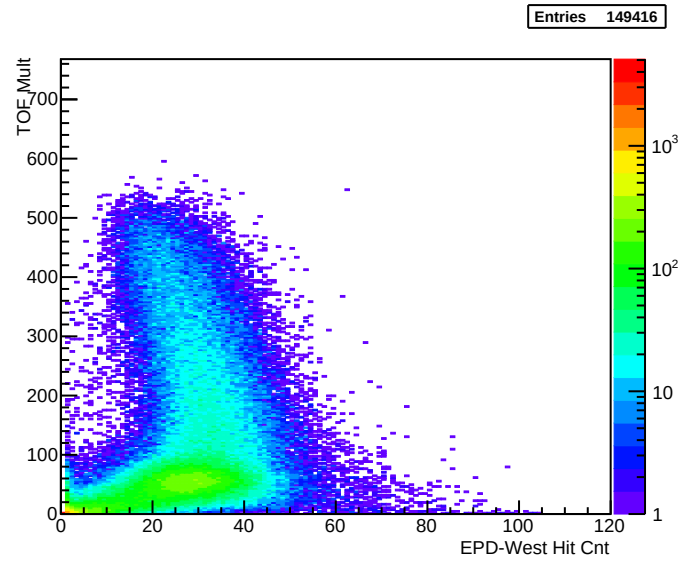

VT201 Input Ch4: VPD Adc Sum Th
Entries 298832
149416
149416
East
West

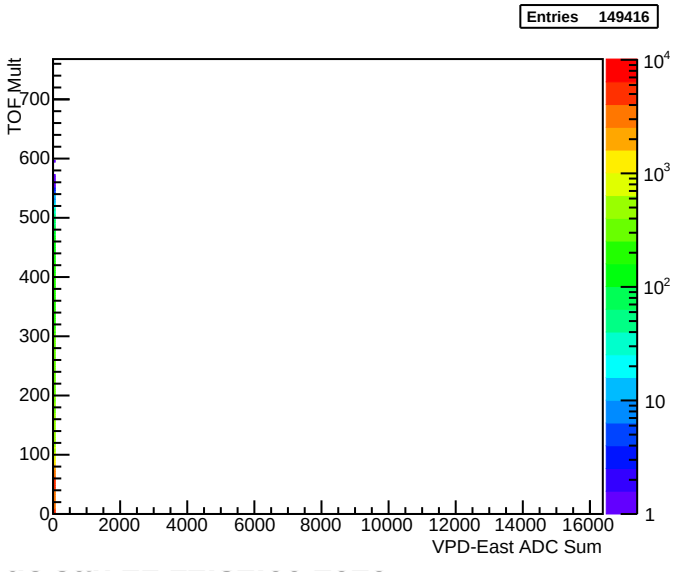

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

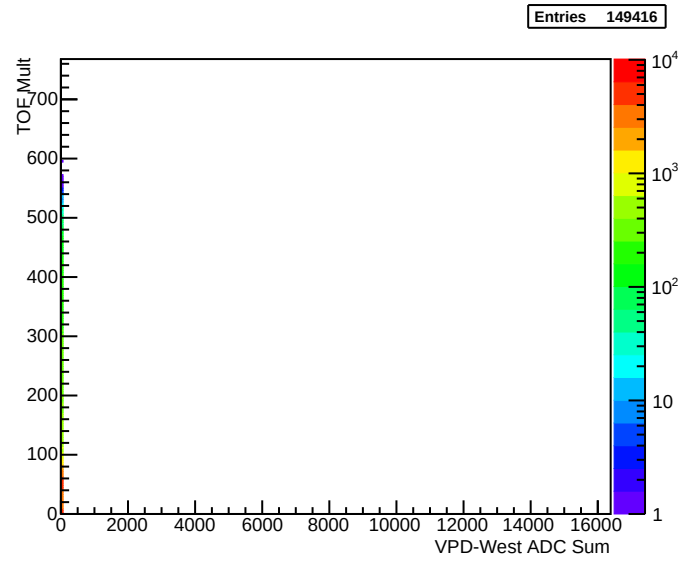

Entries 149416
TOF_Mult
BBC-S-East ADC Sum

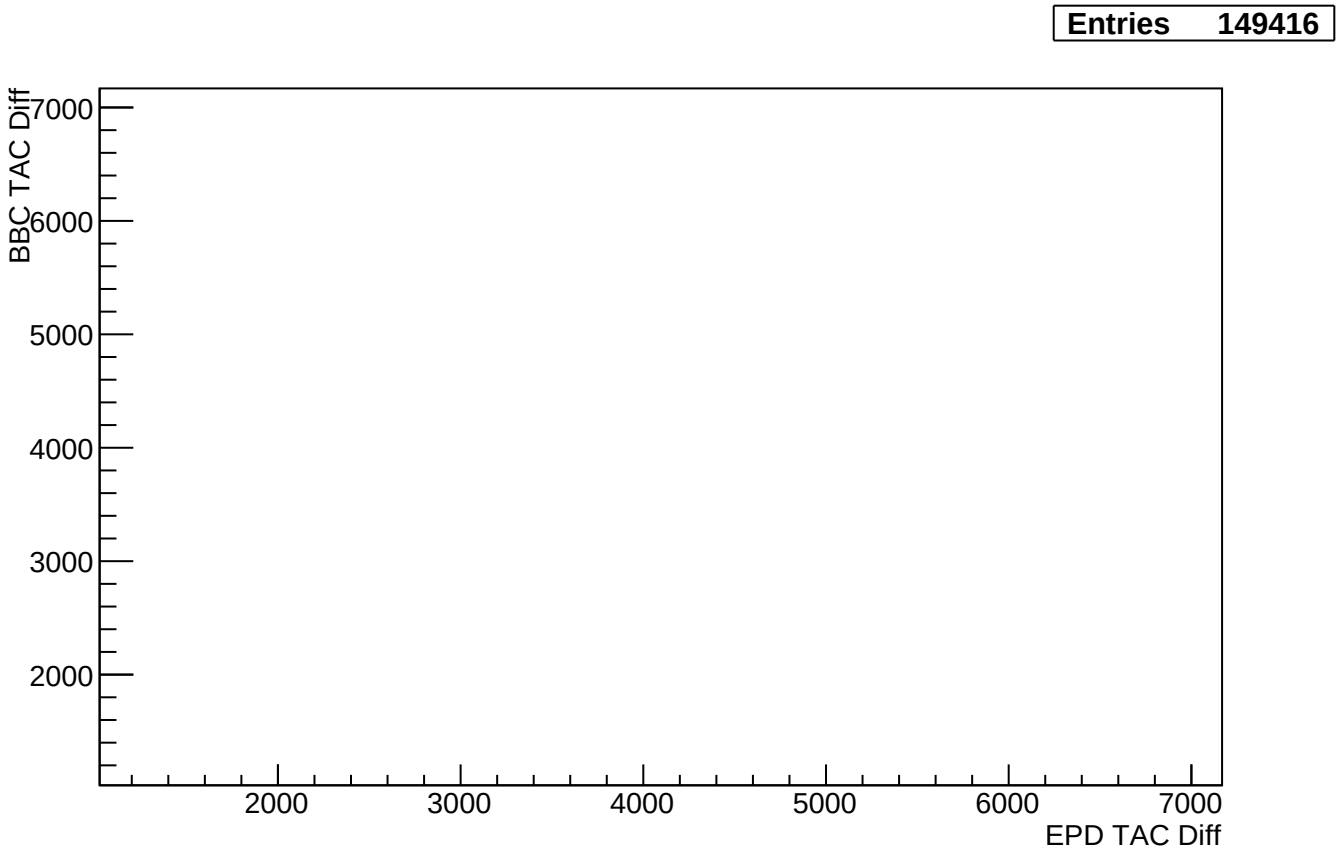

Entries 149416
TOF_Mult
BBC-S-West ADC Sum

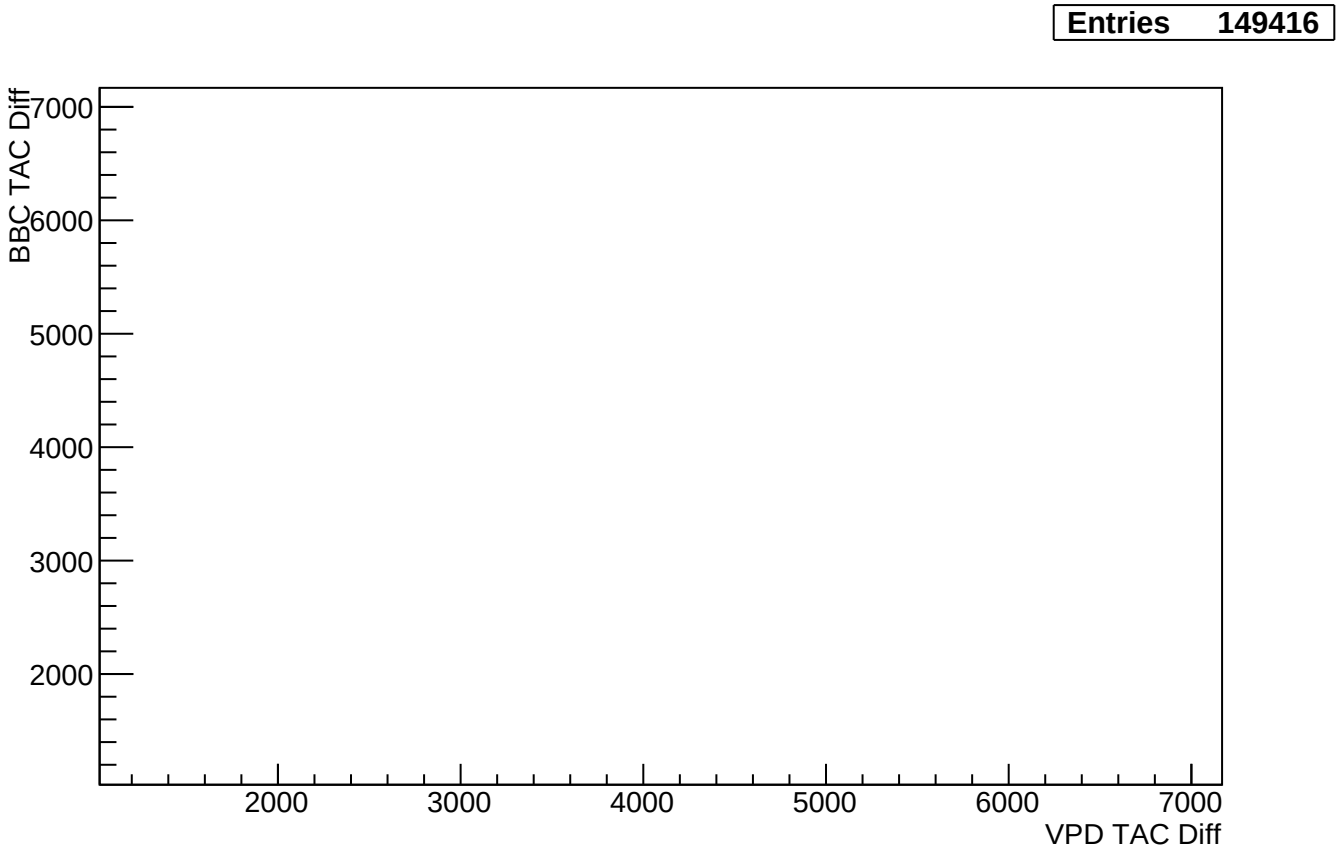

Entries 149416
TOF_Mult
EPD-East Hit Cnt

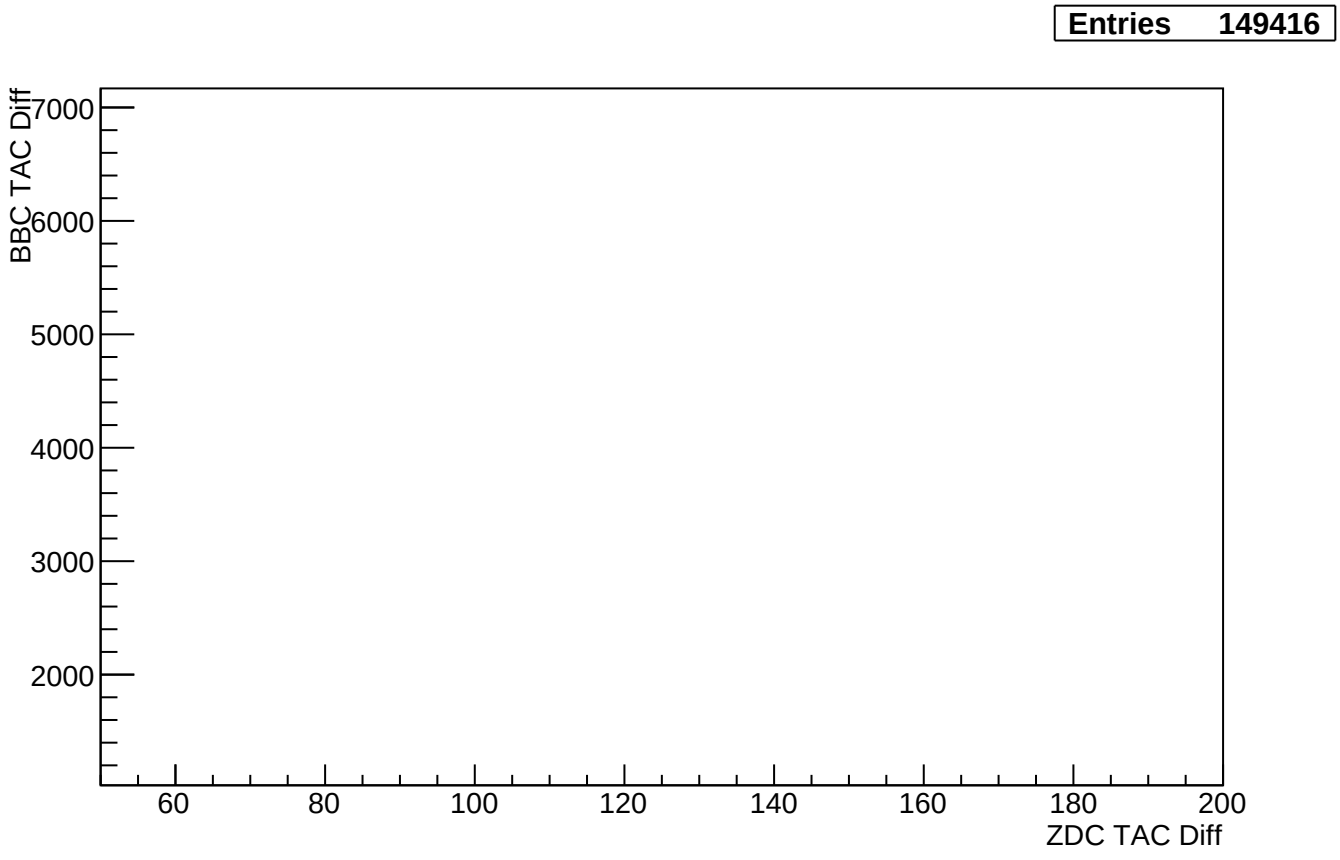

Entries 149416
TOF_Mult
EPD-West Hit Cnt

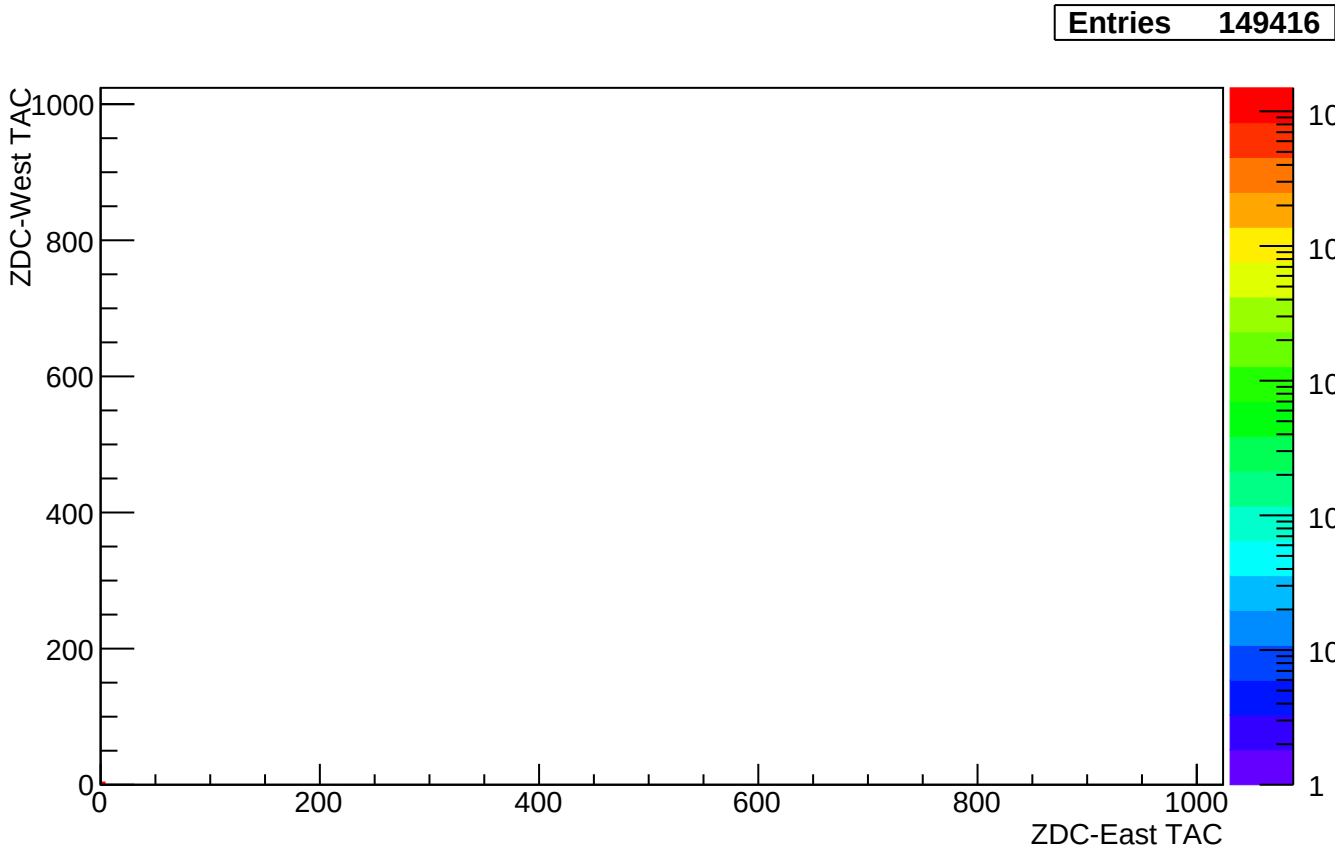

Entries 149416
TOF_Mult
VPD-East ADC Sum

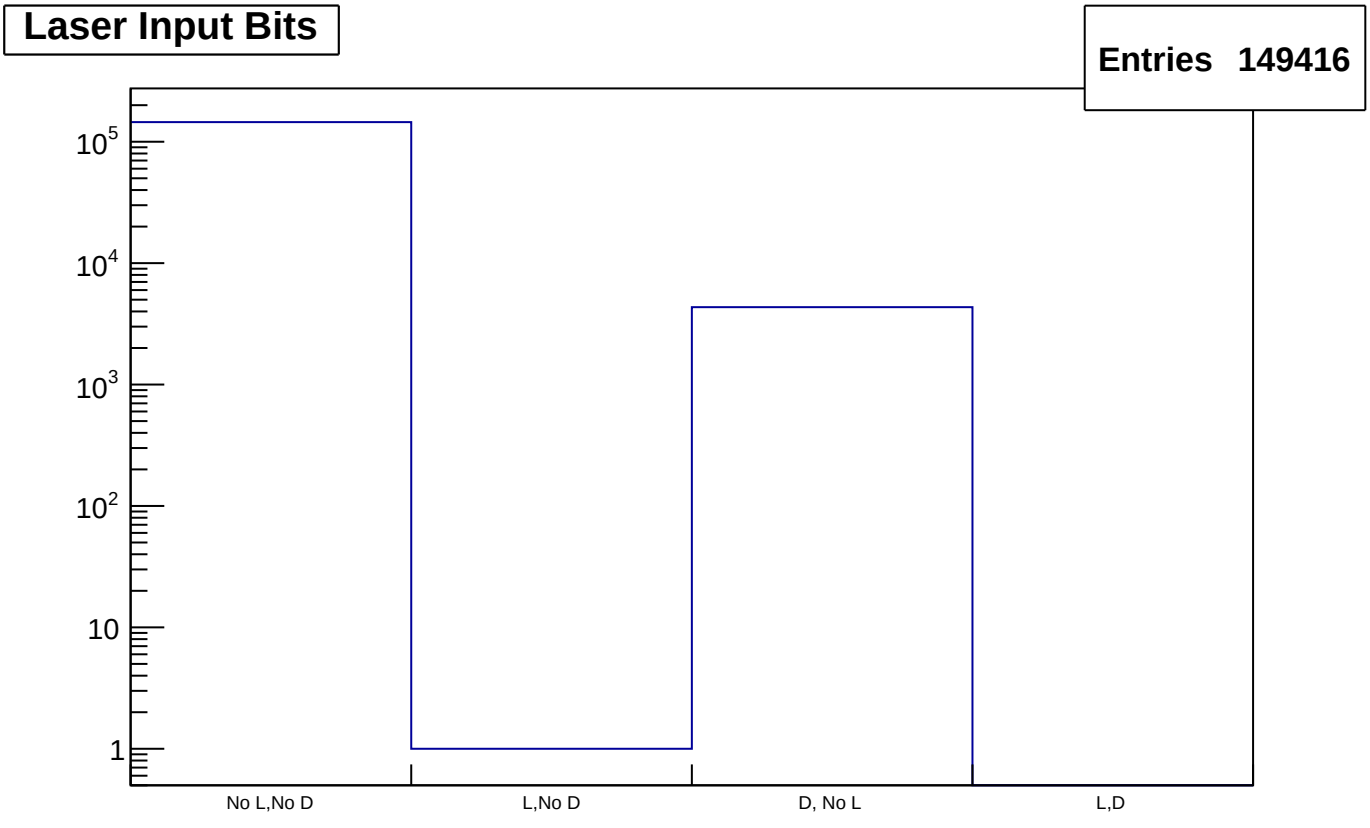

Entries 149416
TOF_Mult
VPD-West ADC Sum

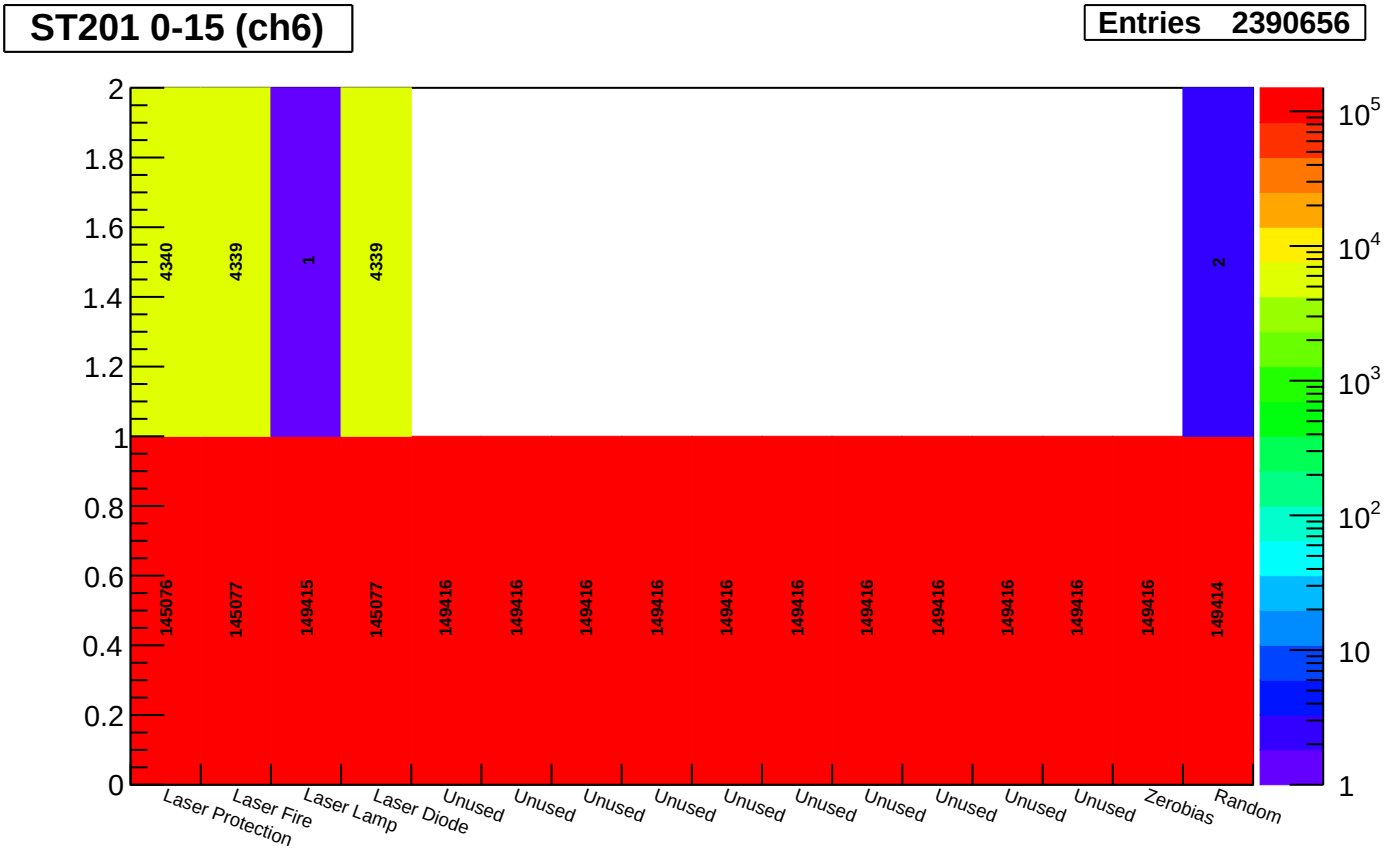

Entries 149416
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff

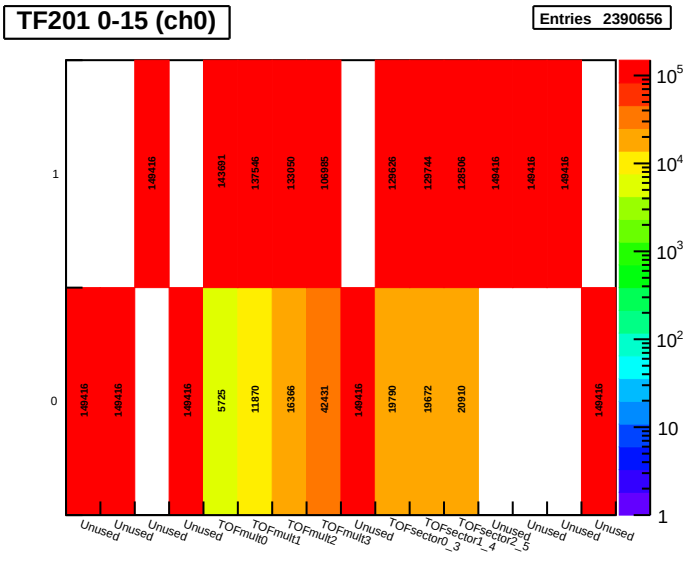

Entries 149416
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff

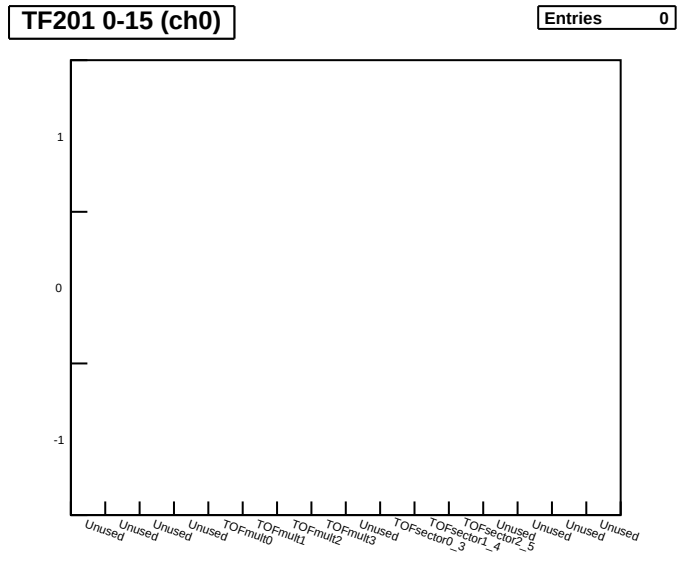

Entries 149416
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

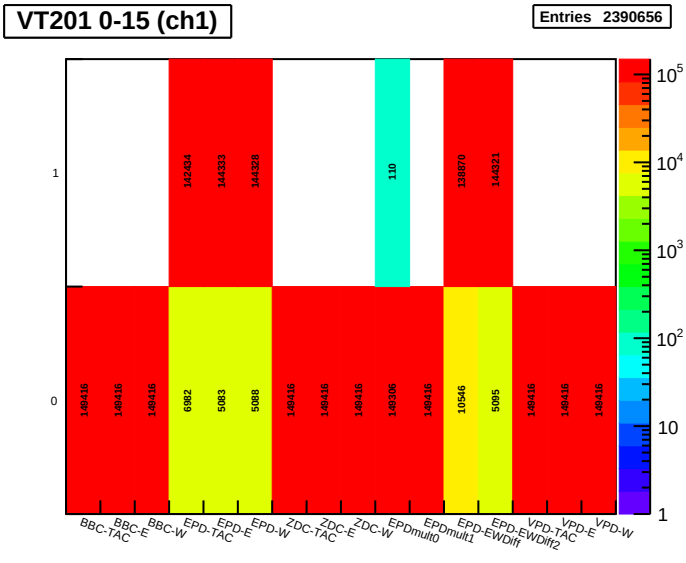

Entries 149416
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

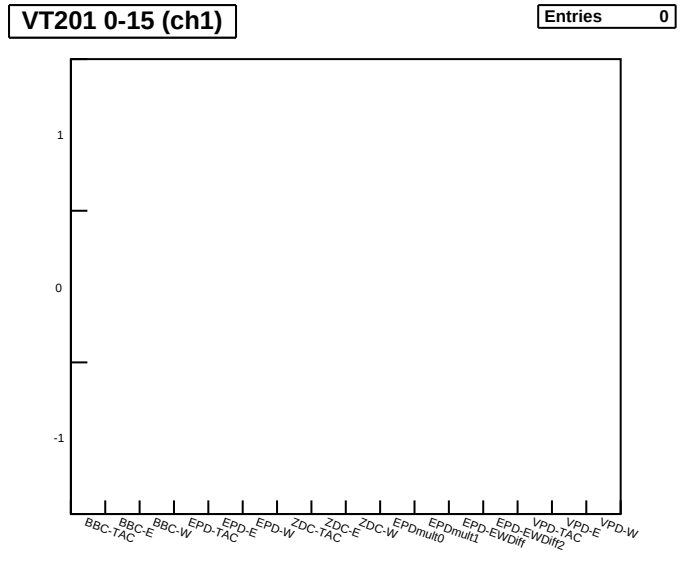

Laser Input Bits
Entries 149416
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

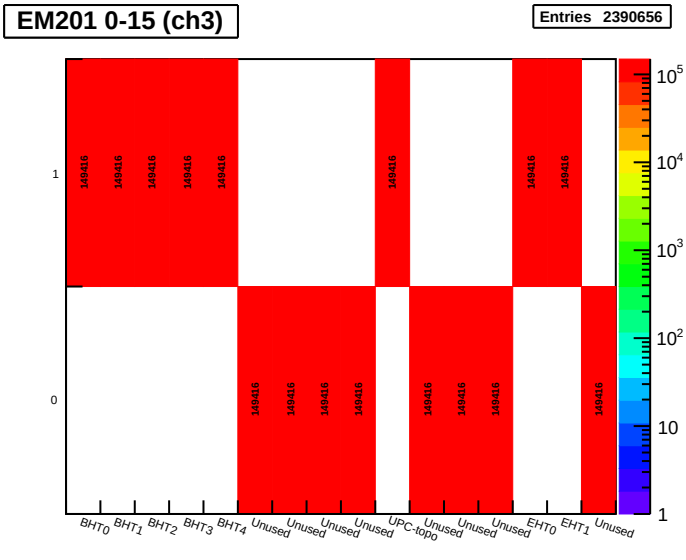

ST201 0-15 (ch6)
Entries 2390656
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4340
4339
1
4339
2
145076
145077
149415
145077
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149414
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

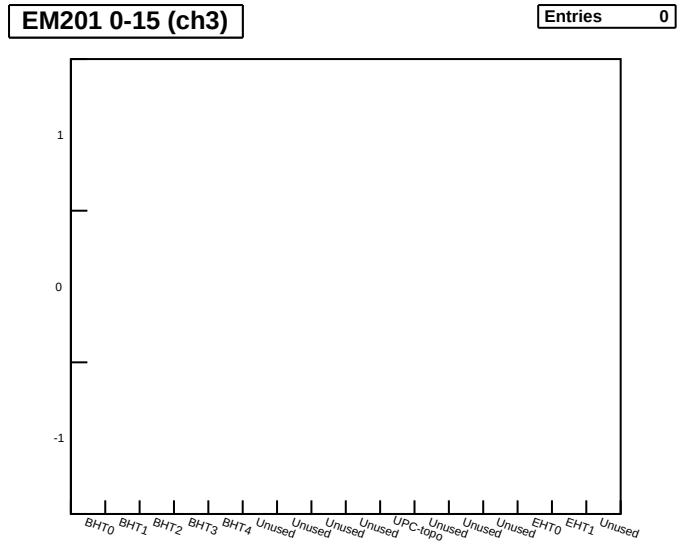

TF201 0-15 (ch0)
Entries 2390656
1
0
149416
143891
137546
133060
106985
129626
129744
128506
149416
149416
149416
149416
149416
5725
11870
16366
42431
149416
19790
19672
20910
149416
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 2390656
1
0
142434
144333
144328
110
138870
144321
149416
149416
149416
6982
5083
5088
149416
149416
149416
149306
149416
10546
5095
149416
149416
149416
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 2390656
1
0
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
149416
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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