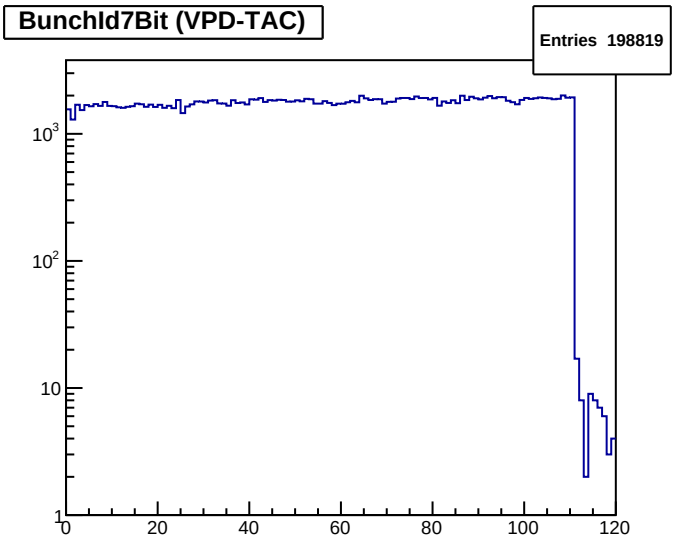
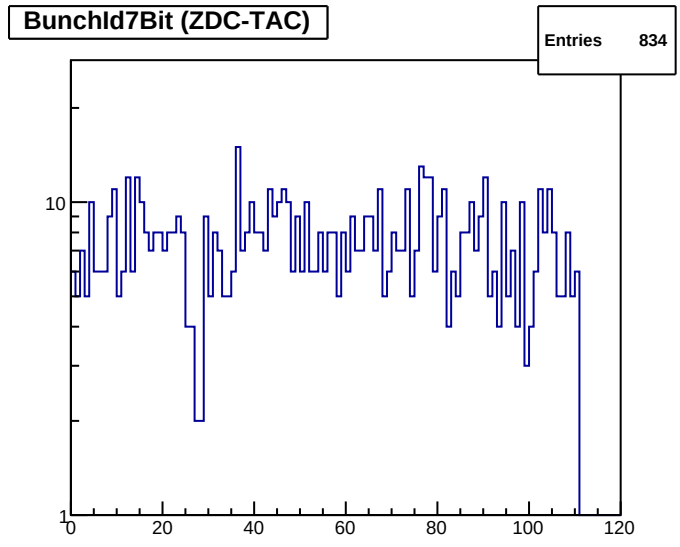
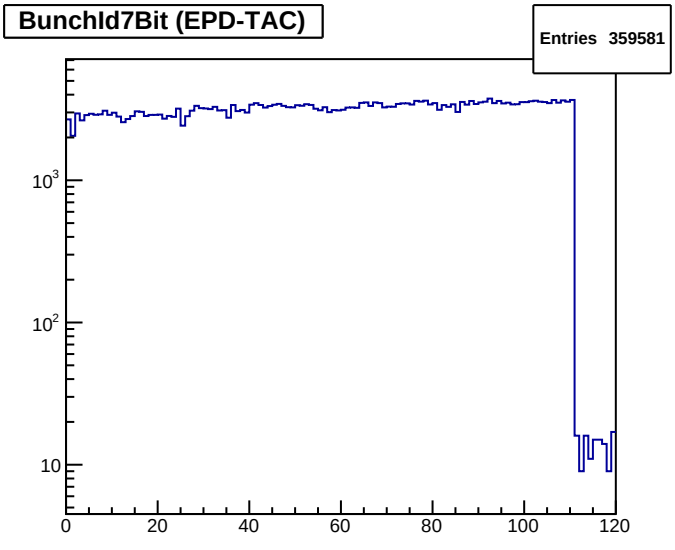
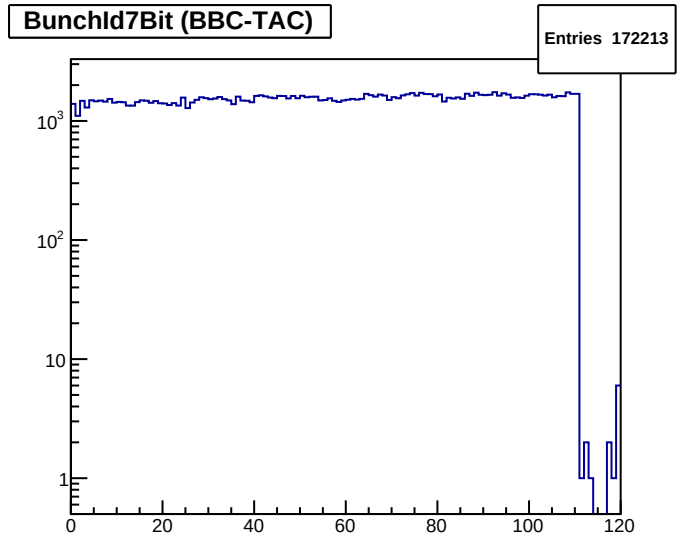
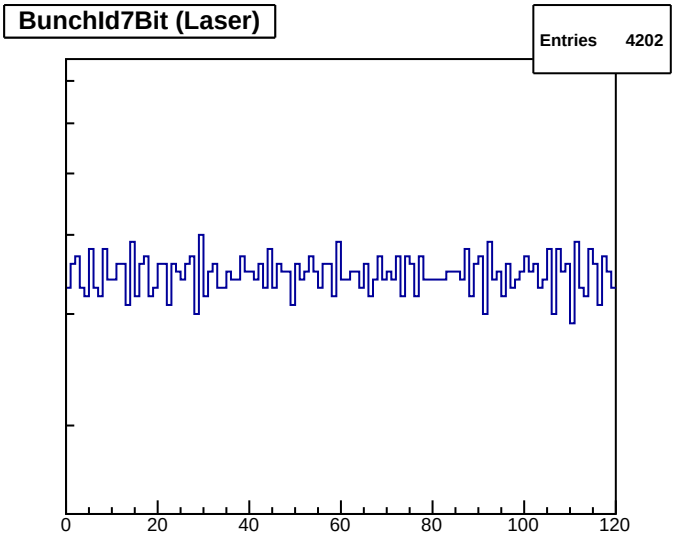
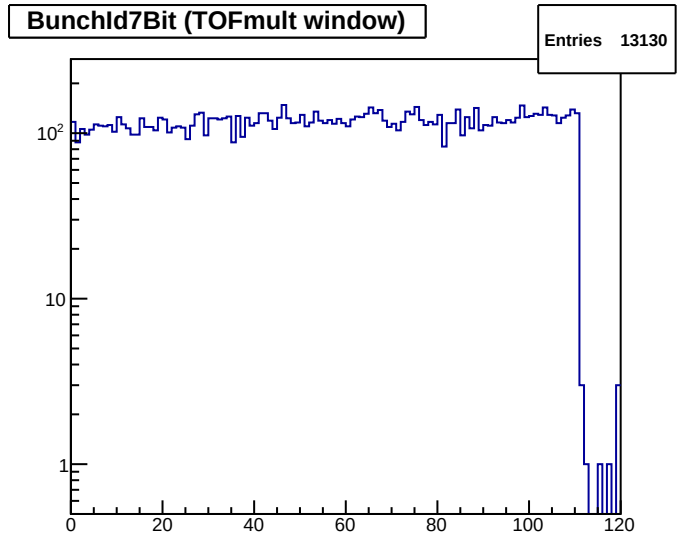

BunchId7Bit (VPD-TAC)
Entries 198819
10^3
10^2
10
1
0
20
40
60
80
100
120

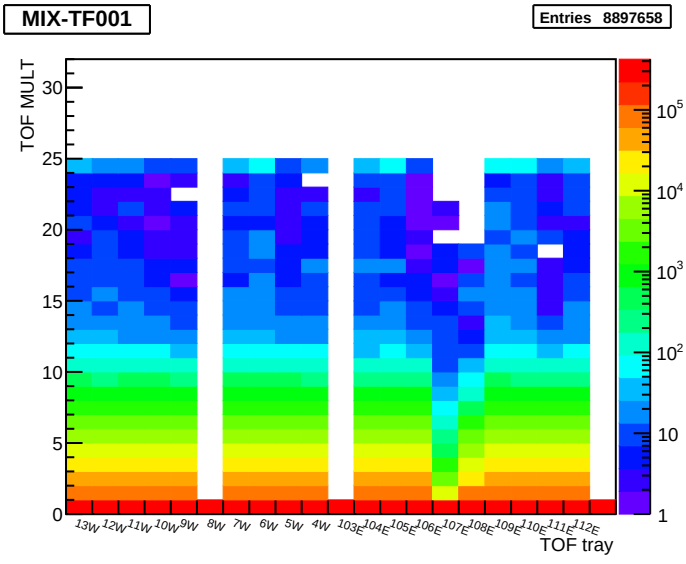

BunchId7Bit (ZDC-TAC)
Entries 834
10
1
0
20
40
60
80
100
120

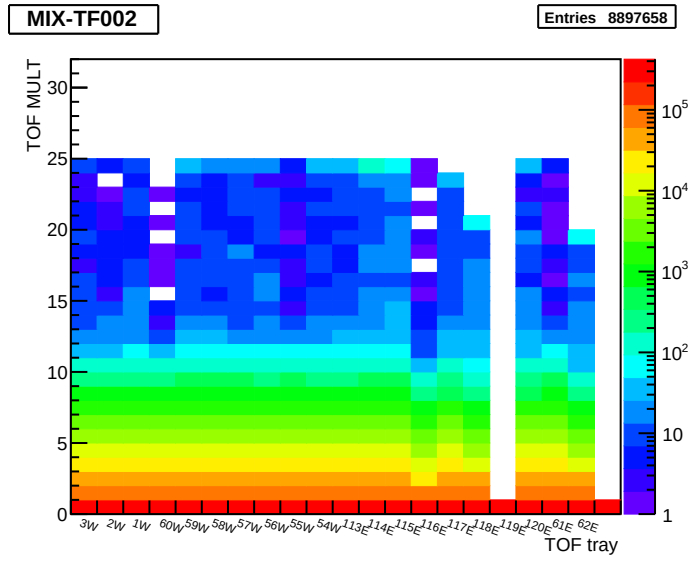

BunchId7Bit (EPD-TAC)
Entries 359581
10^3
10^2
10
0
20
40
60
80
100
120

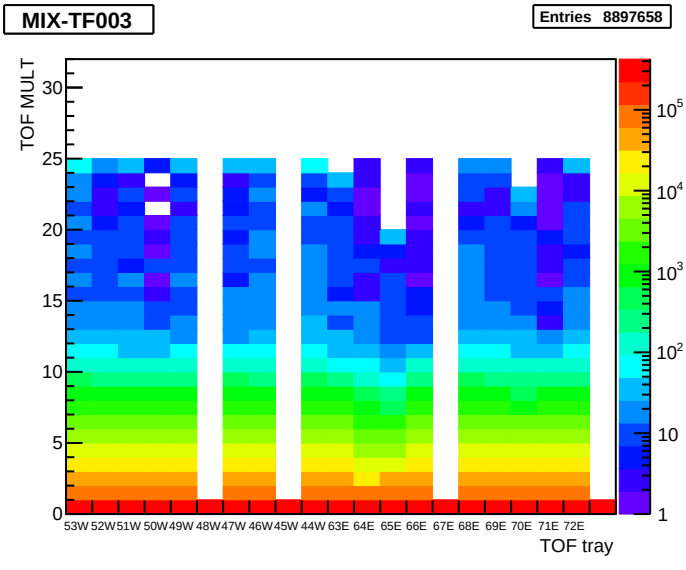

BunchId7Bit (BBC-TAC)
Entries 172213
10^3
10^2
10
1
0
20
40
60
80
100
120

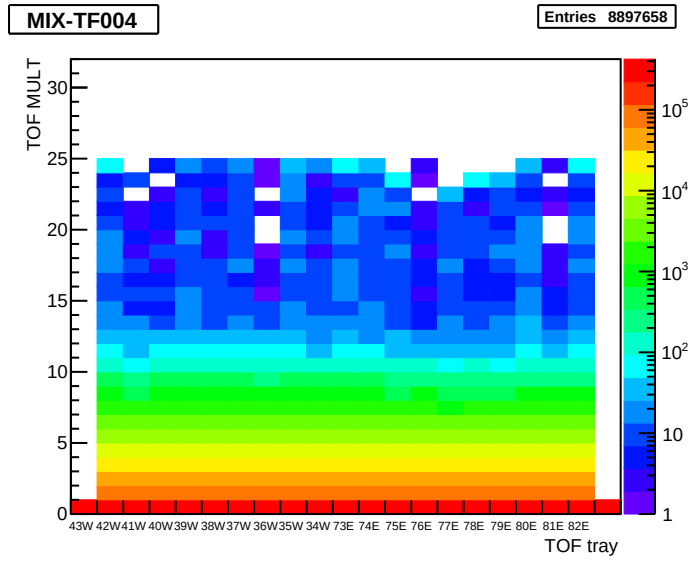

BunchId7Bit (Laser)
Entries 4202
0
20
40
60
80
100
120

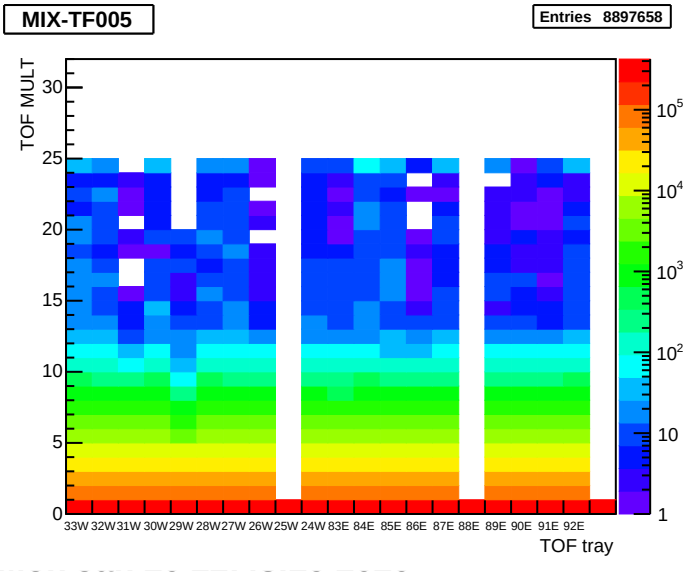

BunchId7Bit (TOFmult window)
Entries 13130
10^2
10
1
0
20
40
60
80
100
120

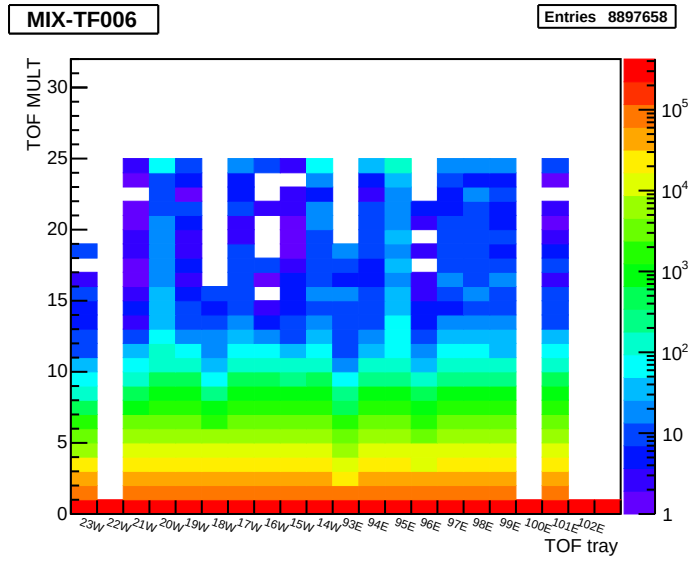

MIX-TF001
Entries 8897658
TOF MULT
TOF tray

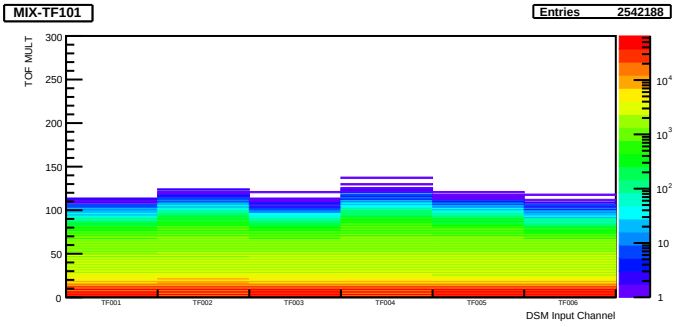

MIX-TF002
Entries 8897658
TOF MULT
TOF tray

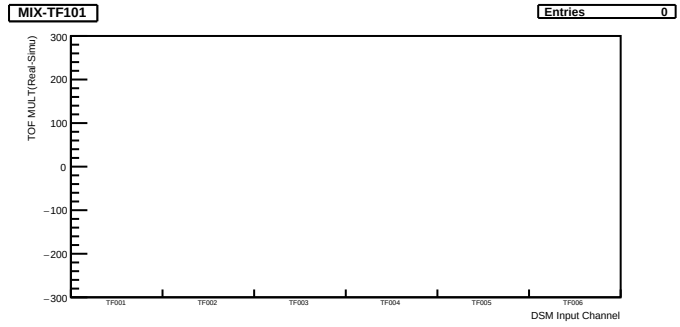

MIX-TF003
Entries 8897658
TOF MULT
TOF tray

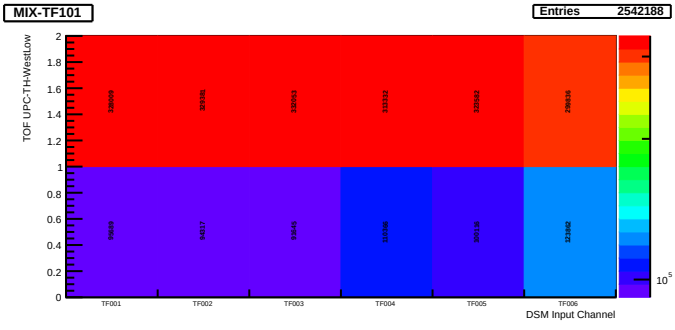

MIX-TF004
Entries 8897658
TOF MULT
TOF tray

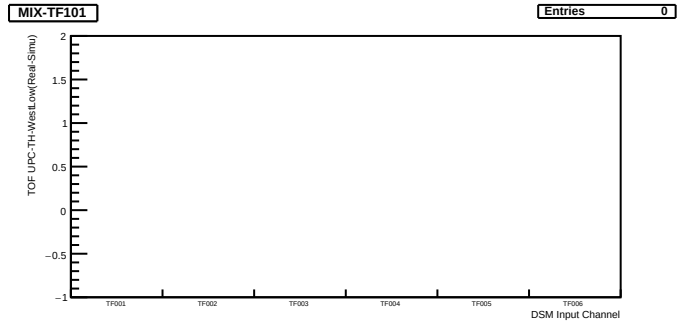

MIX-TF005
Entries 8897658
TOF MULT
TOF tray

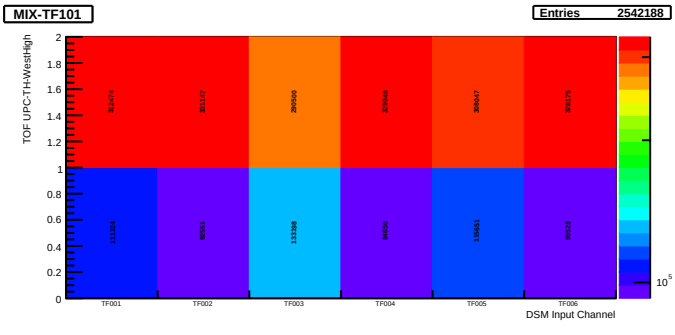

MIX-TF006
Entries 8897658
TOF MULT
TOF tray

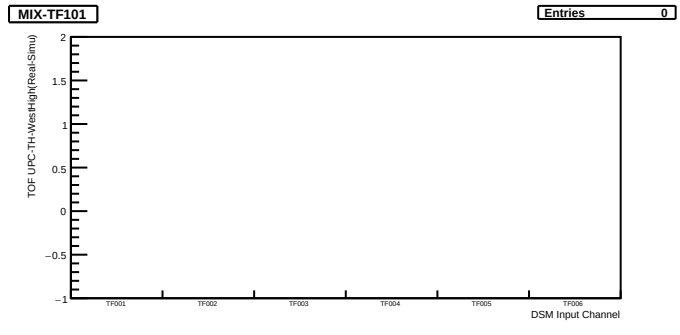

MIX-TF101
Entries 2542188
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

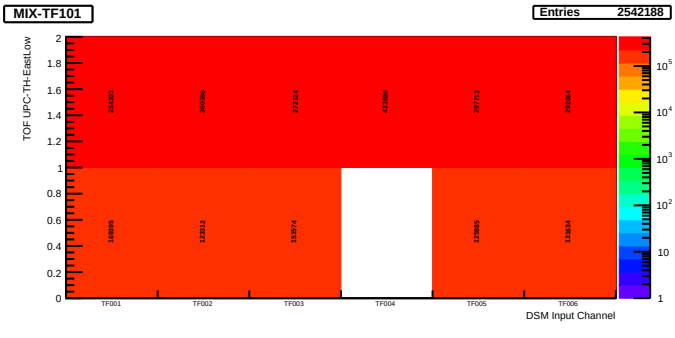

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

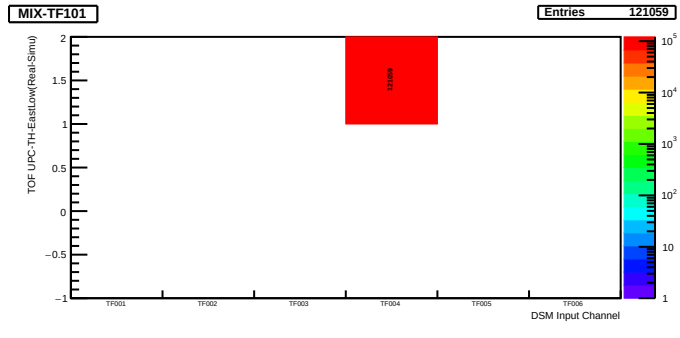

MIX-TF101
Entries 2542188
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

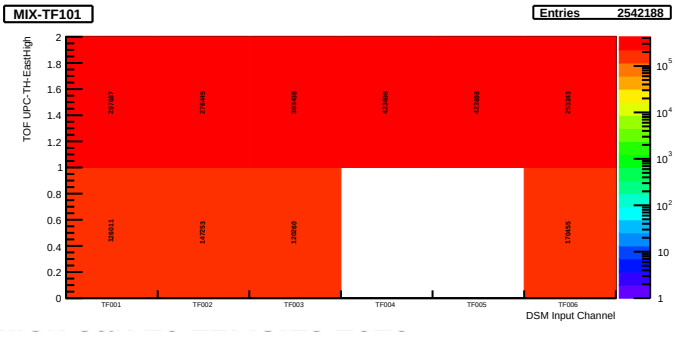

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

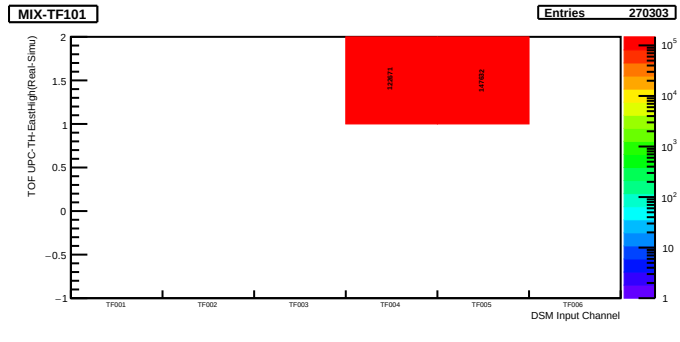

MIX-TF101
Entries 2542188
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

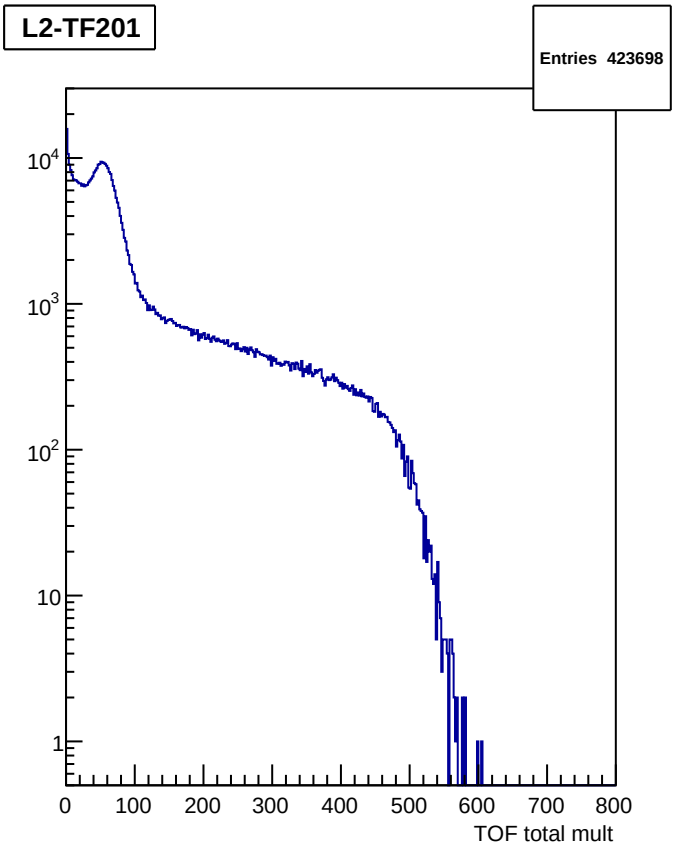

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

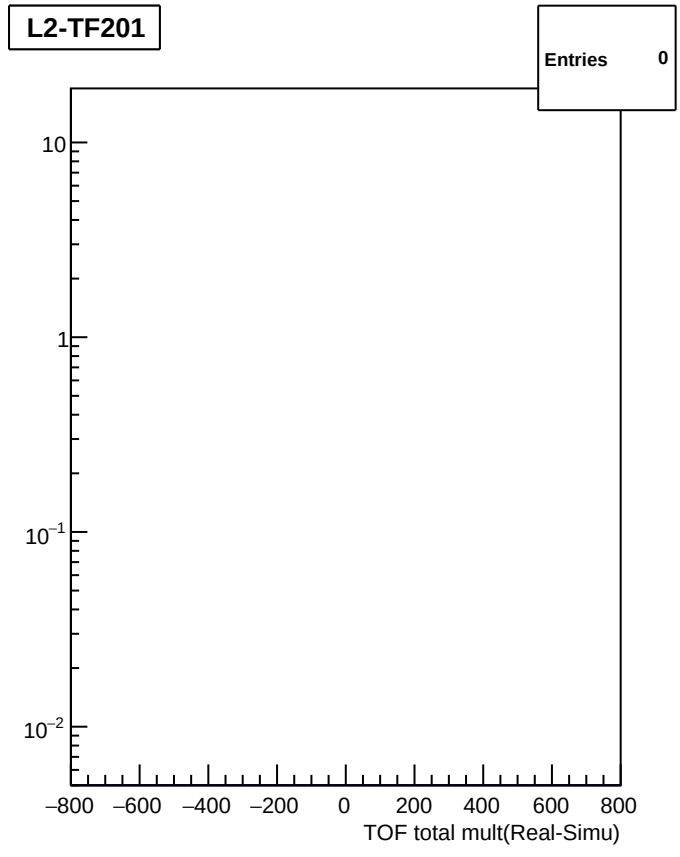

MIX-TF101
Entries 2542188
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

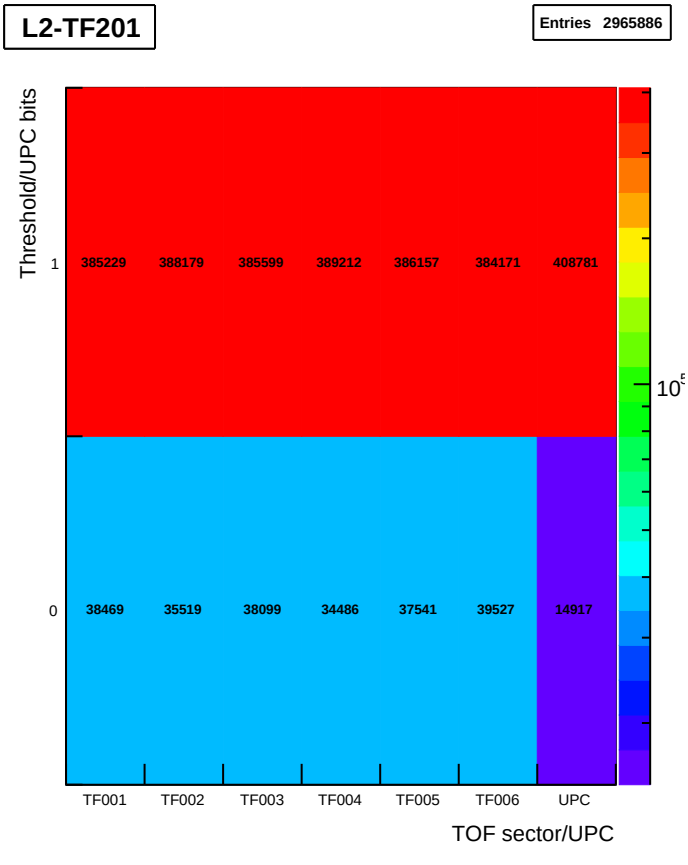

MIX-TF101
Entries 121059
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

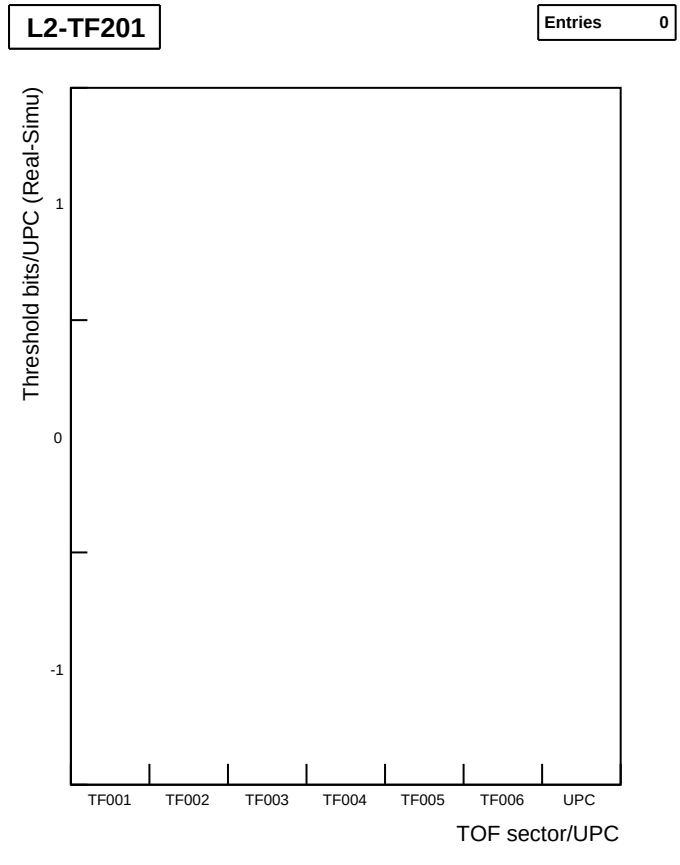

MIX-TF101
Entries 2542188
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

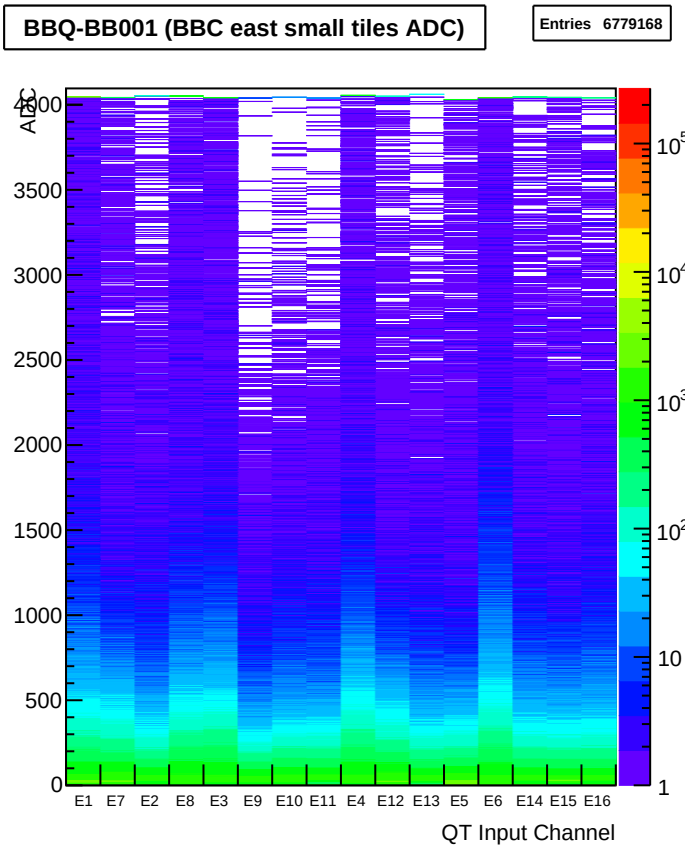

MIX-TF101
Entries 270303
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

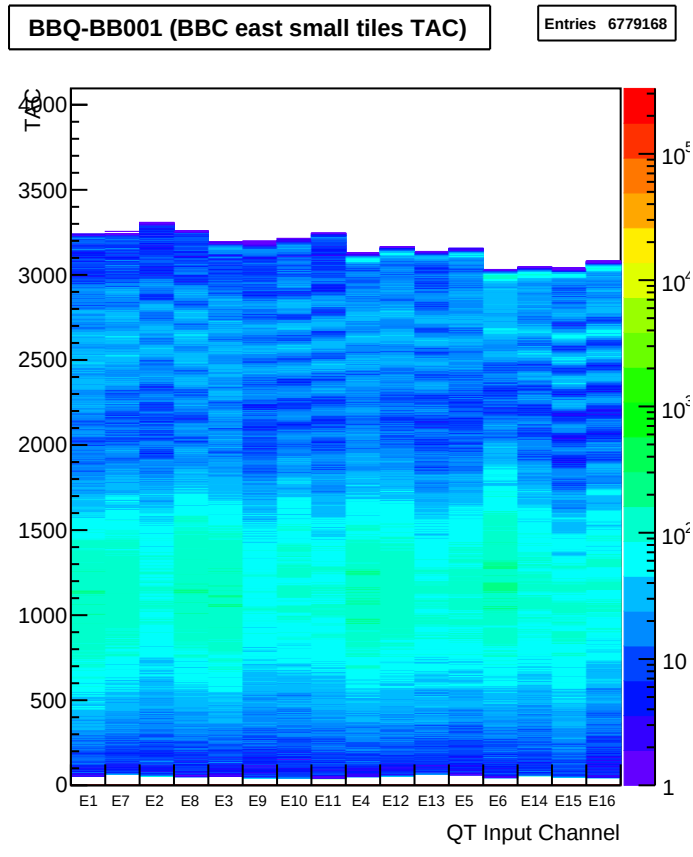

L2-TF201
Entries 423698
TOF total mult

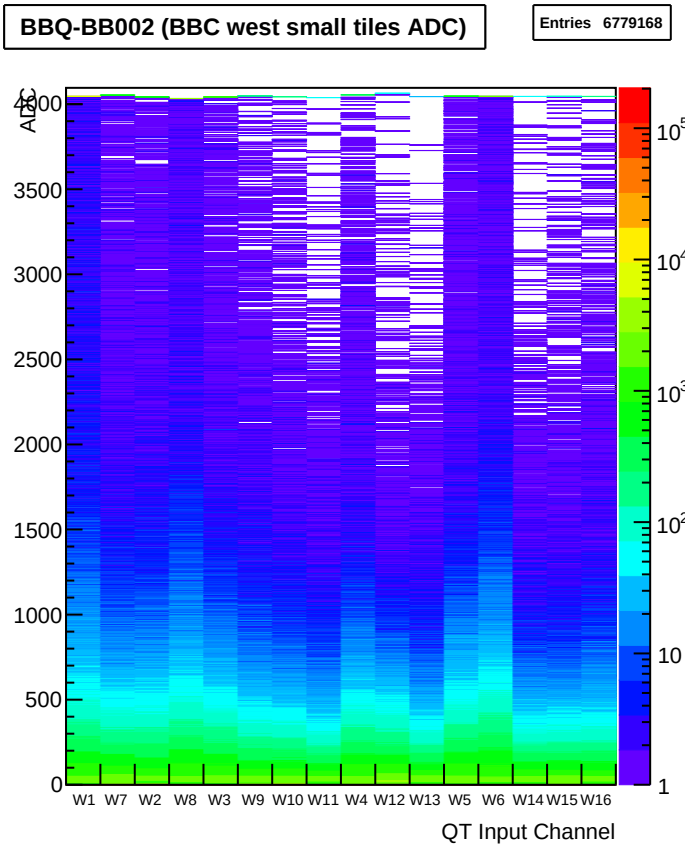

L2-TF201
Entries 0
TOF total mult(Real-Simu)

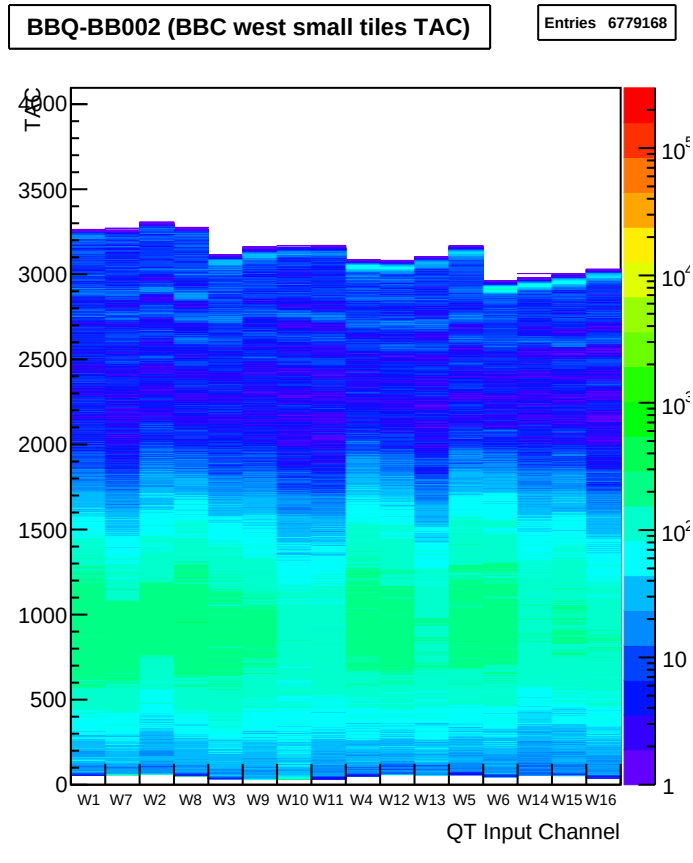

L2-TF201
Entries 2965886
Threshold/UPC bits
385229
388179
385599
389212
386157
384171
408781
38469
35519
38099
34486
37541
39527
14917
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

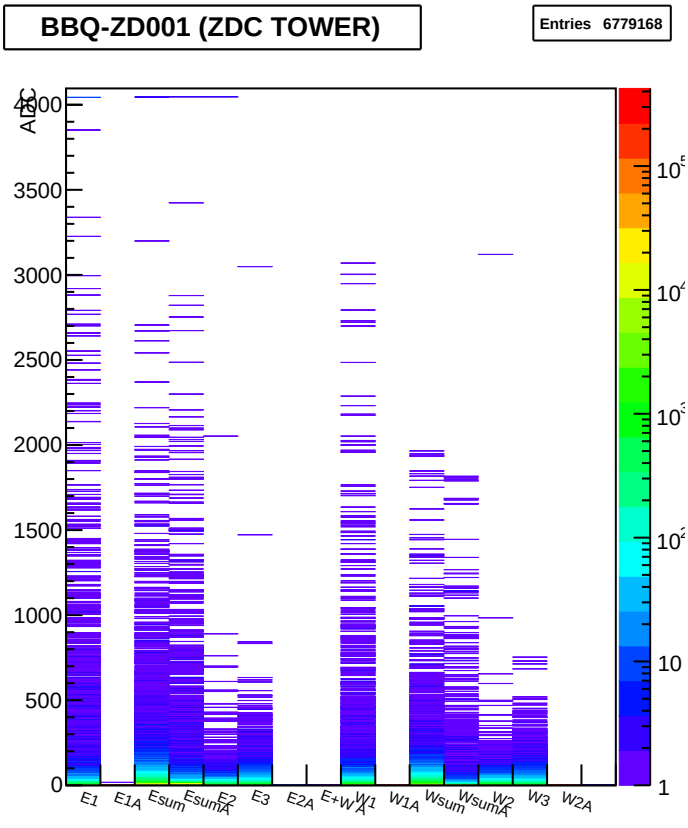

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

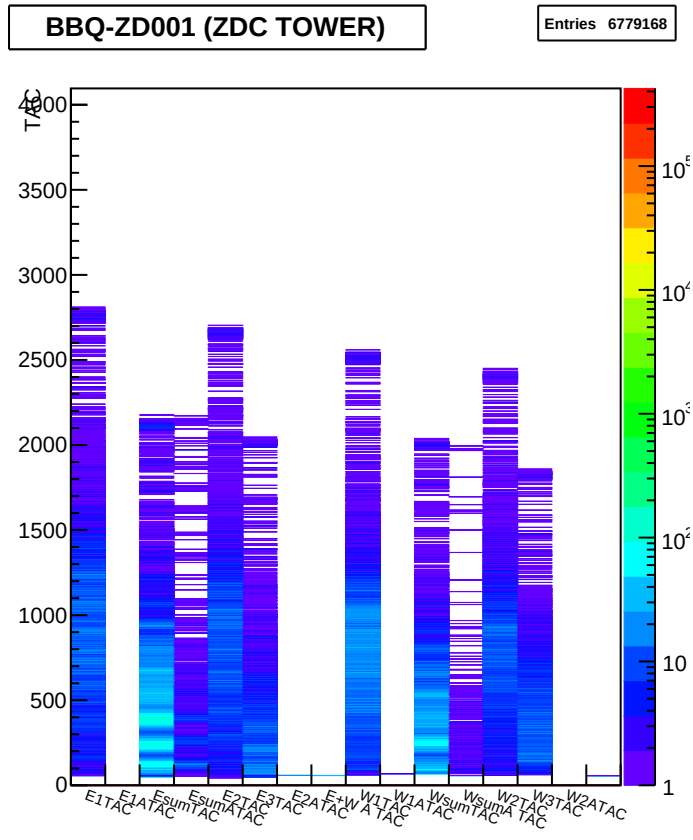

BBQ-BB001 (BBC east small tiles ADC)
Entries 6779168
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

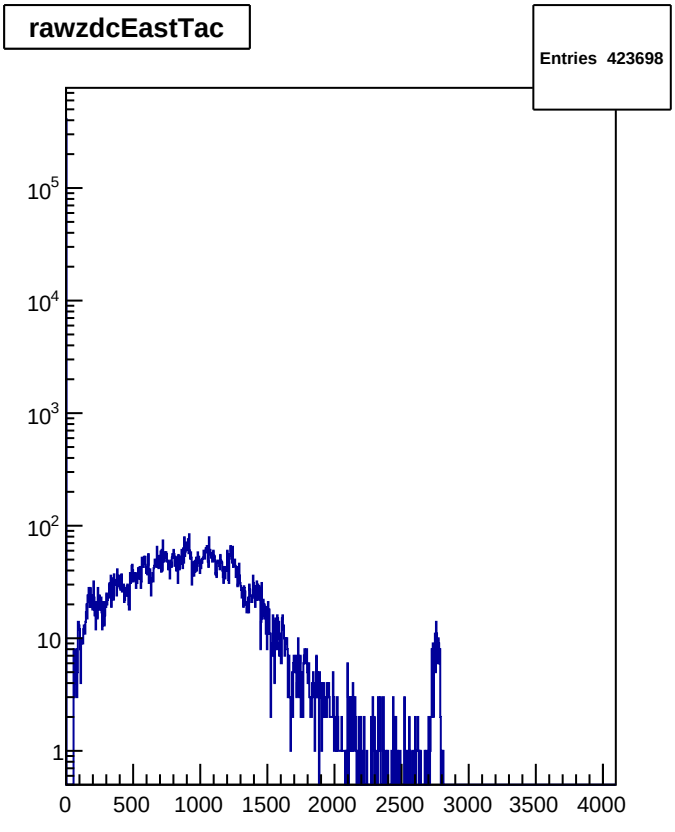

BBQ-BB001 (BBC east small tiles TAC)
Entries 6779168
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

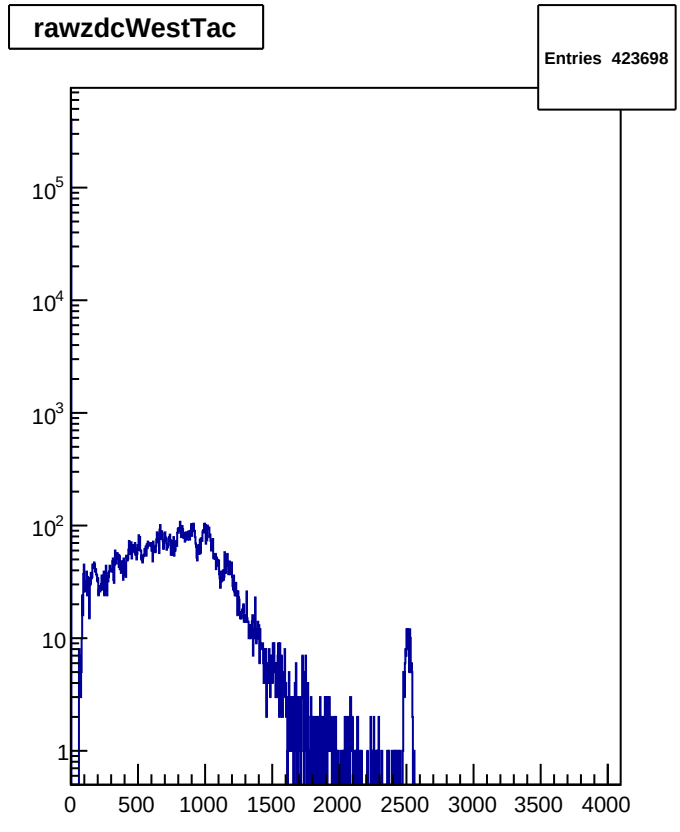

BBQ-BB002 (BBC west small tiles ADC)
Entries 6779168
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

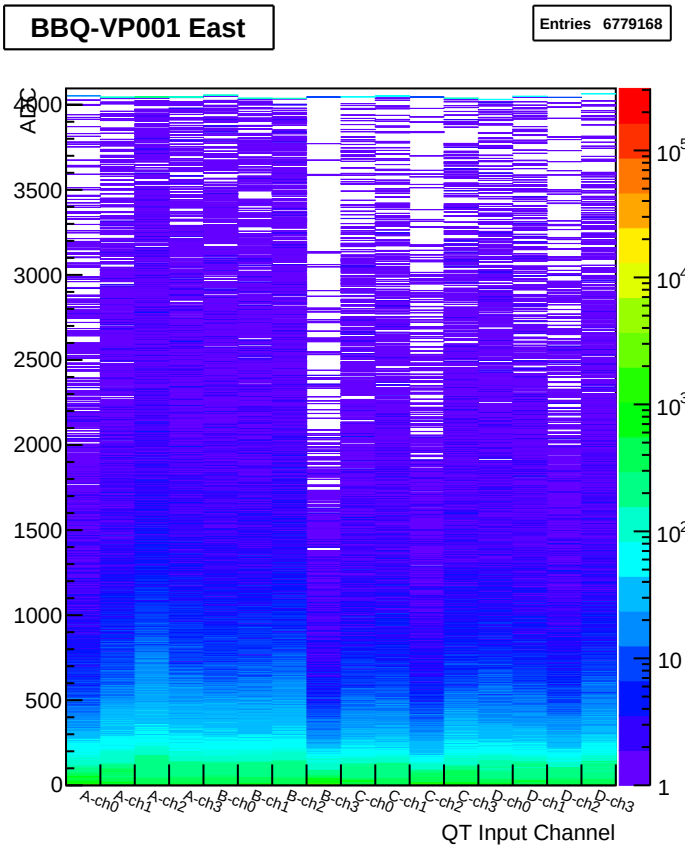

BBQ-BB002 (BBC west small tiles TAC)
Entries 6779168
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

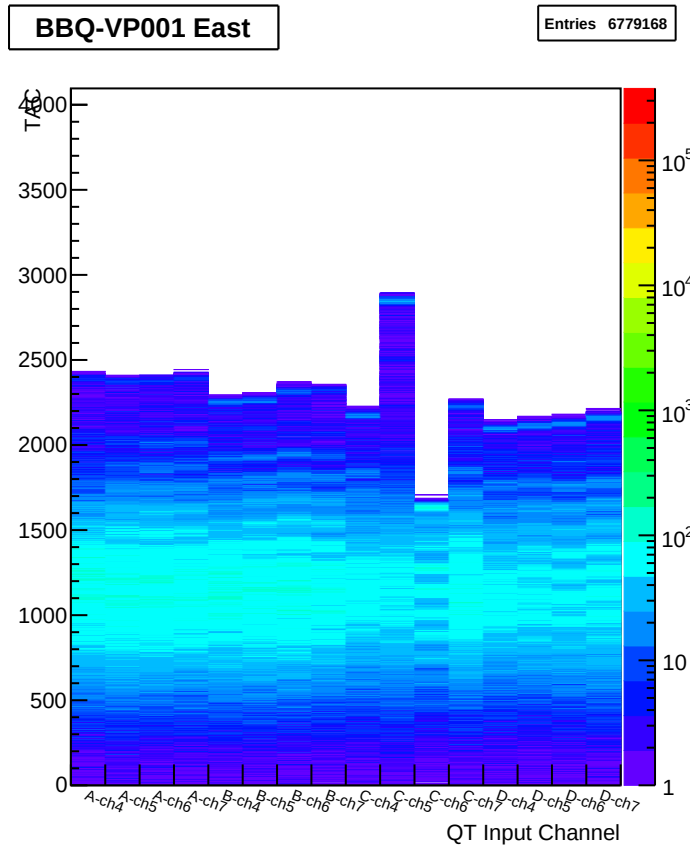

BBQ-ZD001 (ZDC TOWER)
Entries 6779168
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

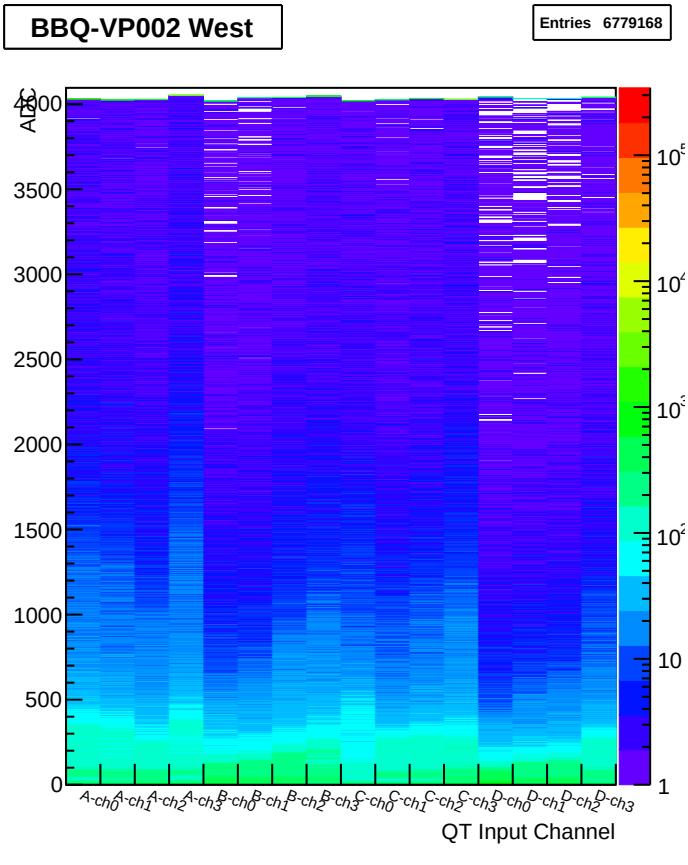

BBQ-ZD001 (ZDC TOWER)
Entries 6779168
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

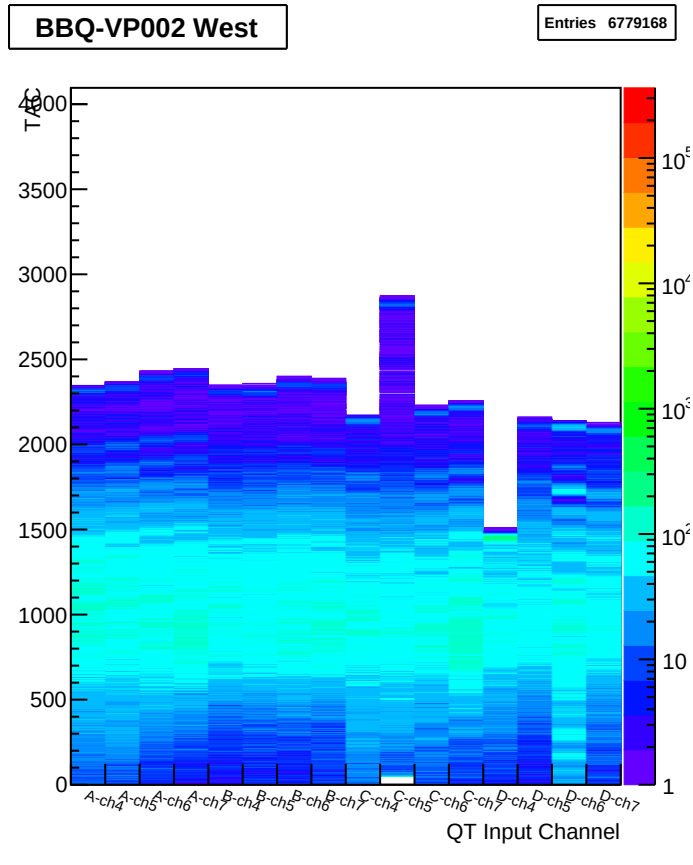

rawzdcEastTac
Entries 423698

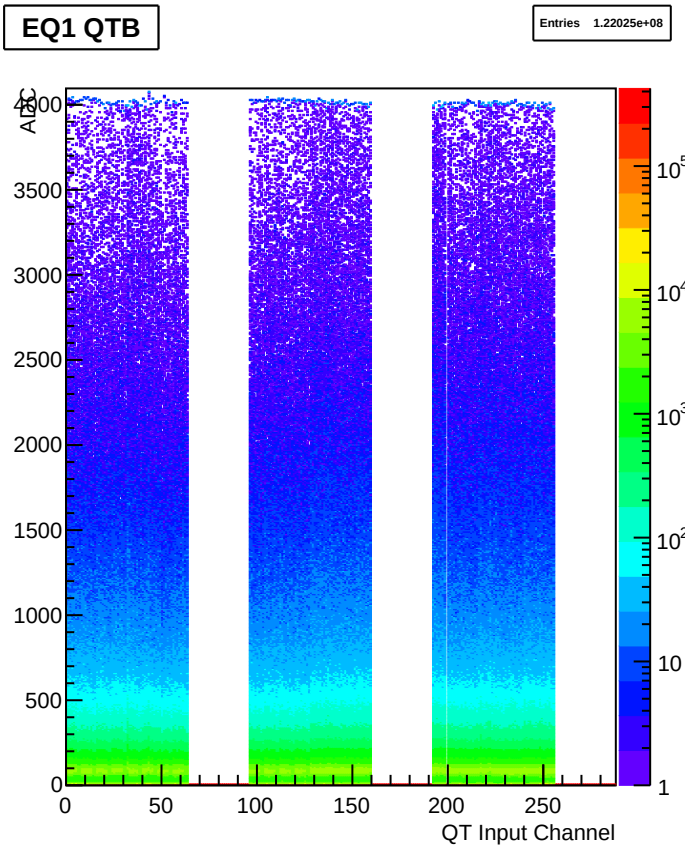

rawzdcWestTac
Entries 423698

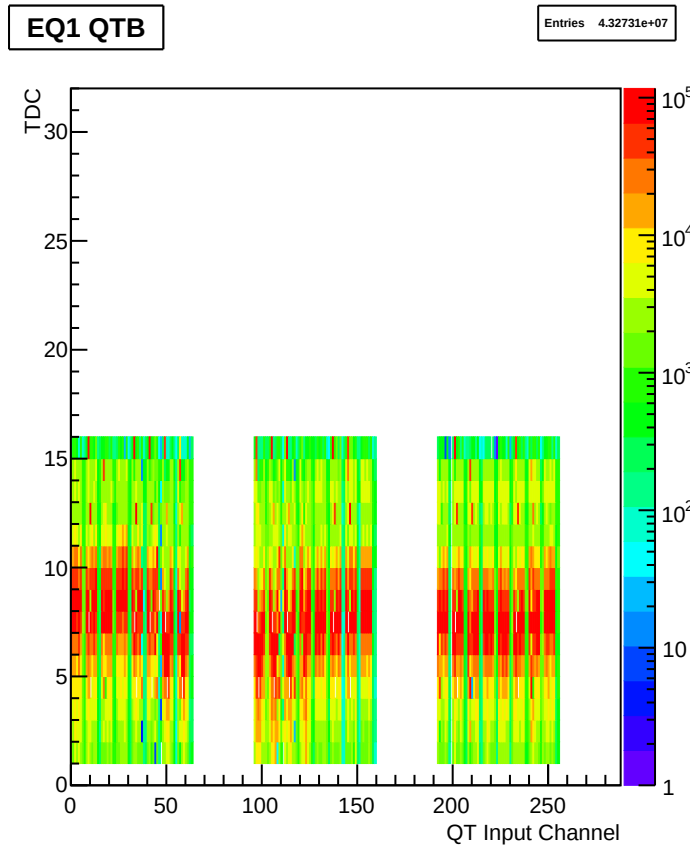

BBQ-VP001 East
Entries 6779168
ADC
QT Input Channel

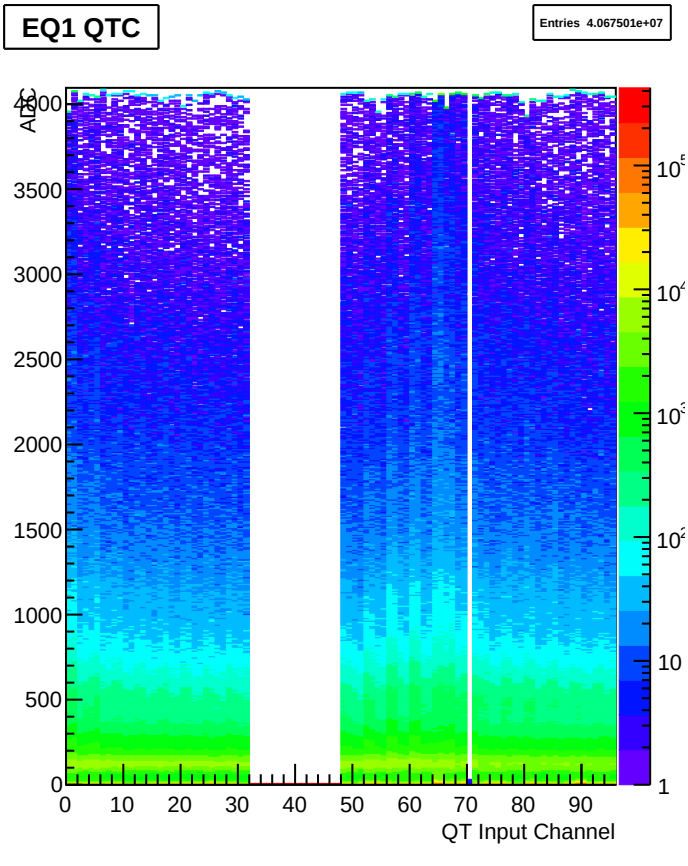

BBQ-VP001 East
Entries 6779168
ADC
QT Input Channel

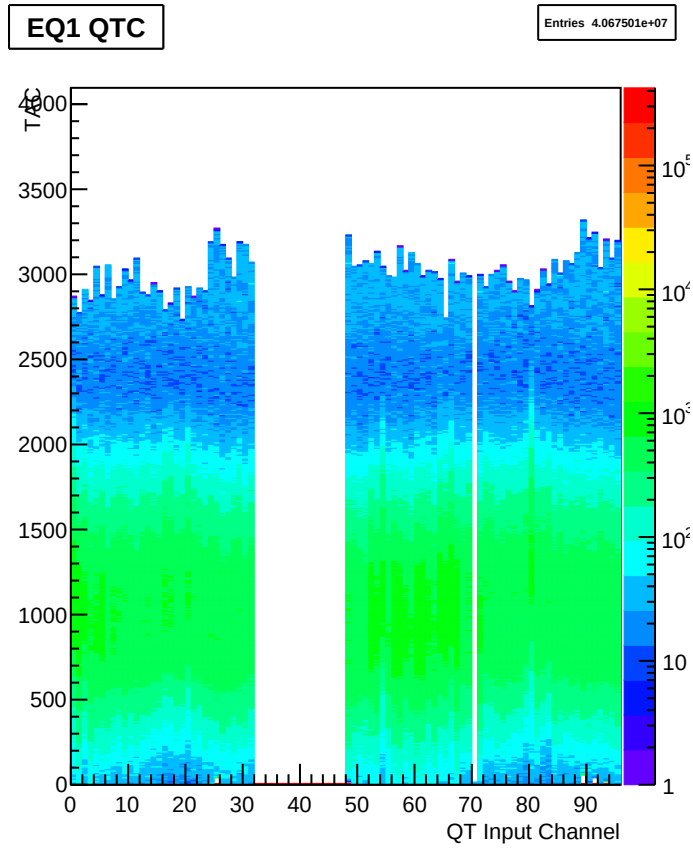

BBQ-VP002 West
Entries 6779168
ADC
QT Input Channel

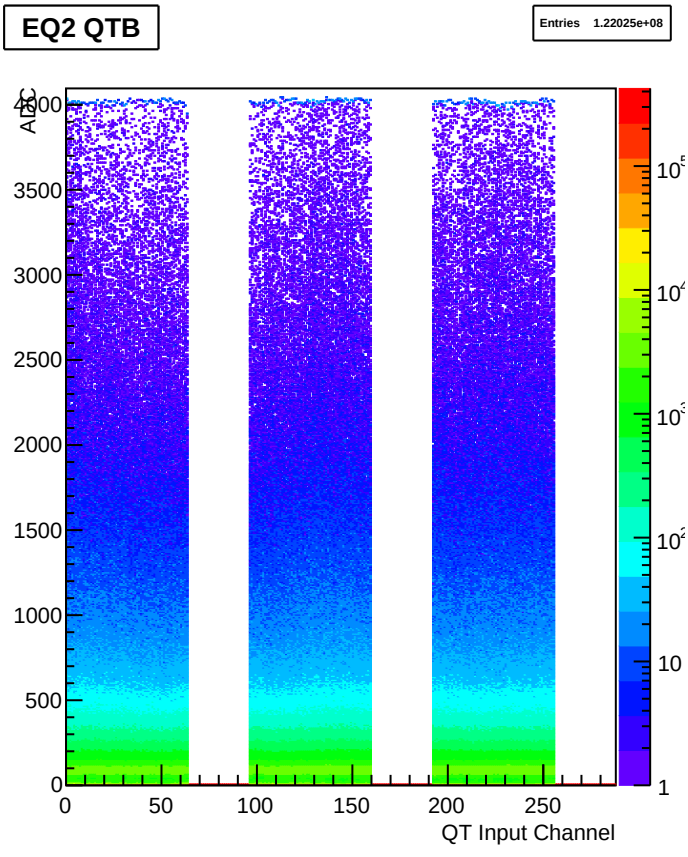

BBQ-VP002 West
Entries 6779168
ADC
QT Input Channel

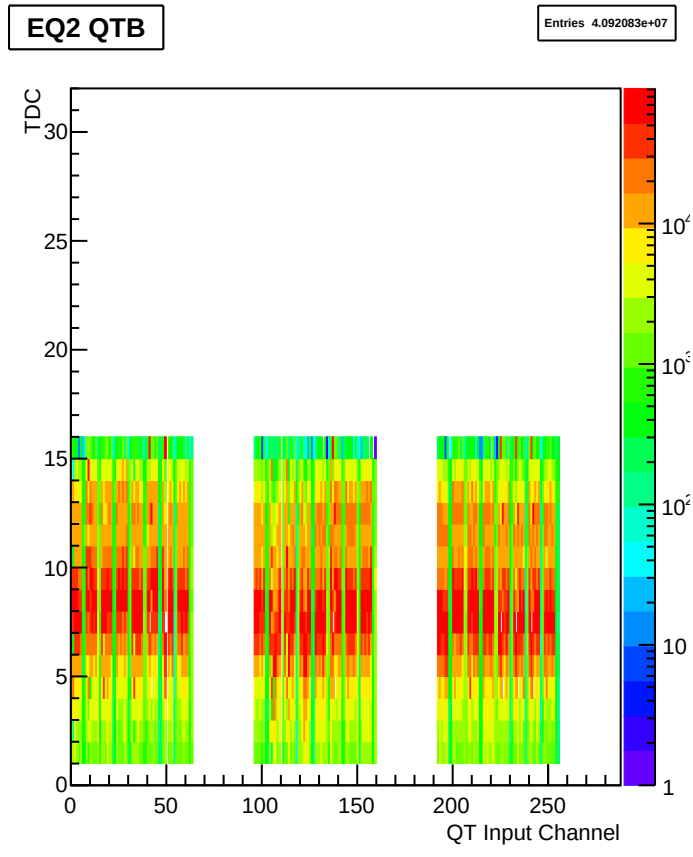

EQ1 QTB
Entries 1.22025e+08
ADC
QT Input Channel

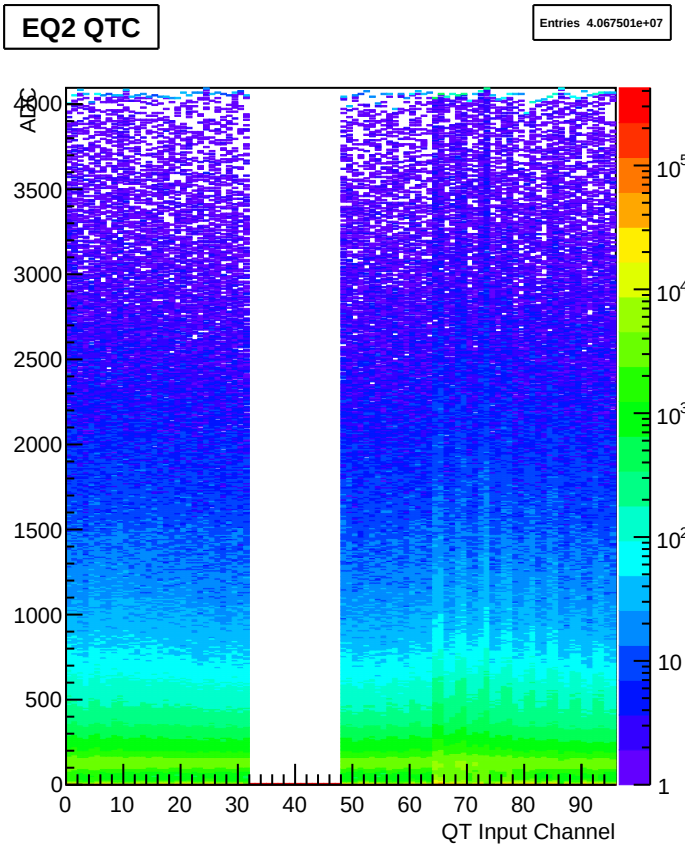

EQ1 QTB
Entries 4.32731e+07
TDC
QT Input Channel

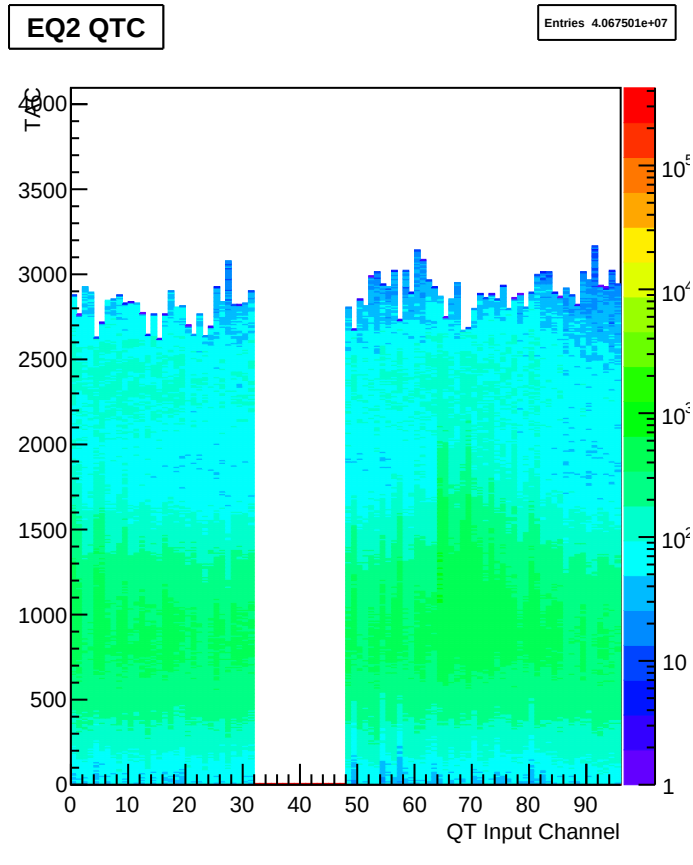

EQ1 QTC
Entries 4.067501e+07
ADC
QT Input Channel

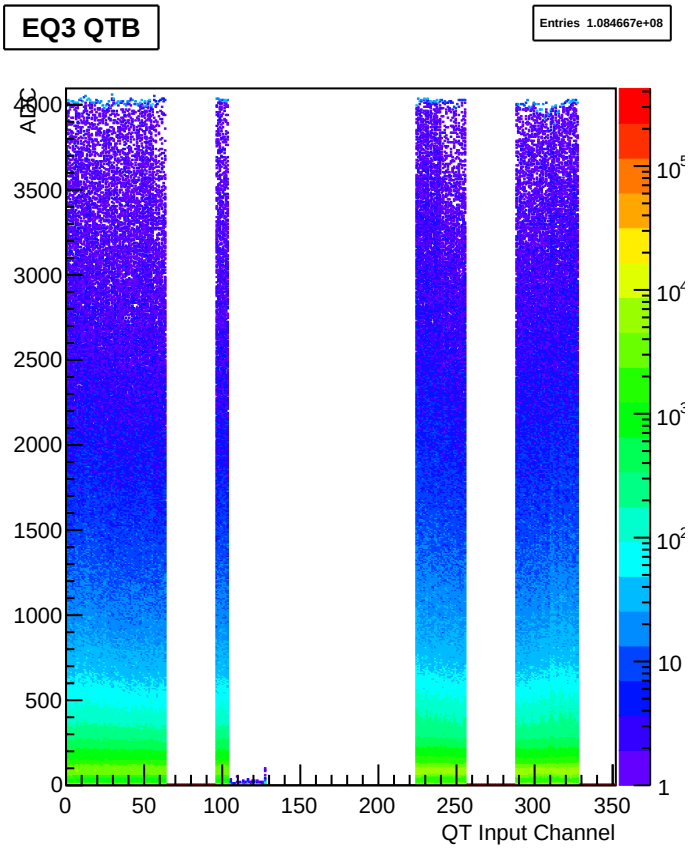

EQ1 QTC
Entries 4.067501e+07
TADC
QT Input Channel

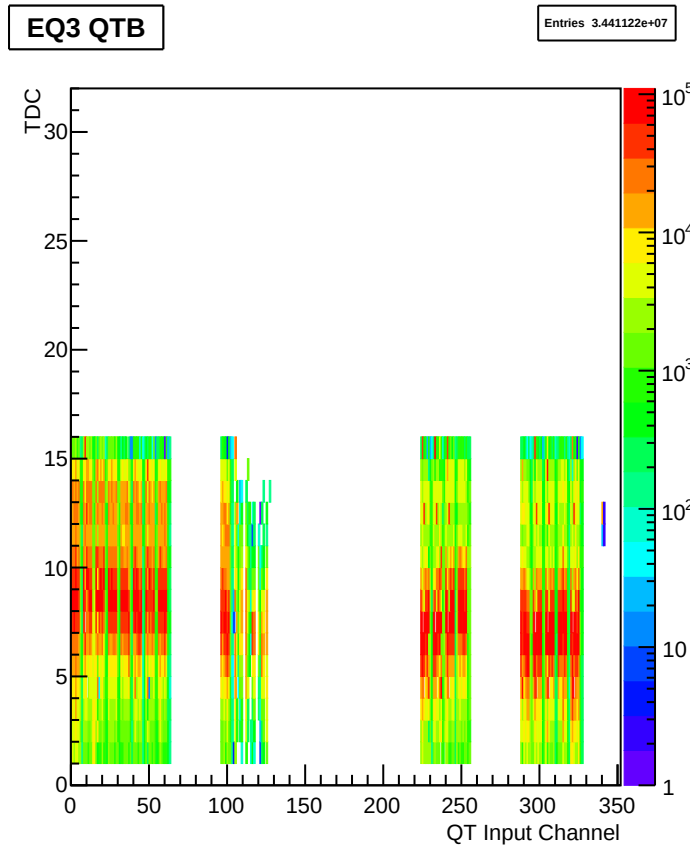

EQ2 QTB
Entries 1.22025e+08
ADC
QT Input Channel

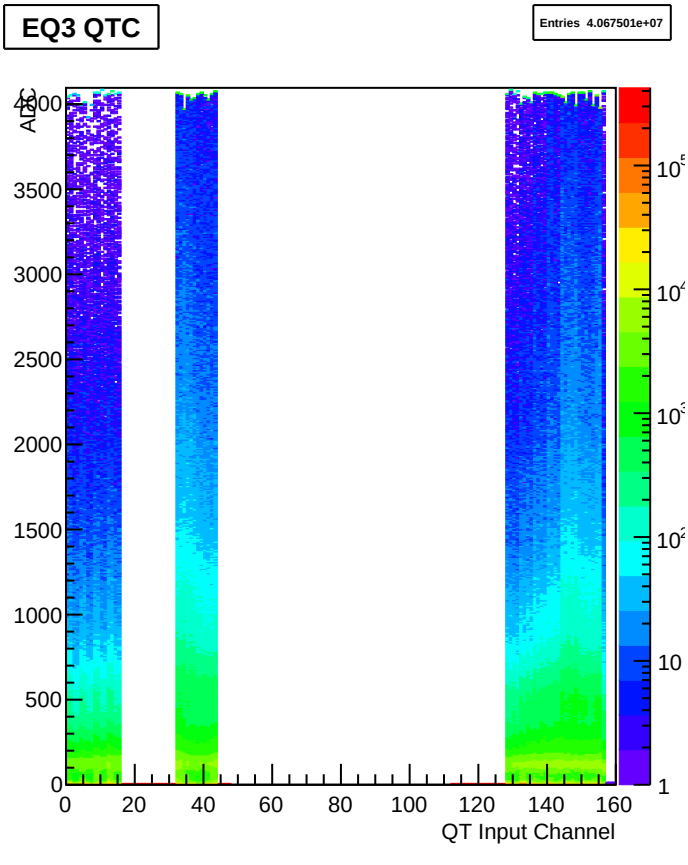

EQ2 QTB
Entries 4.092083e+07
TDC
QT Input Channel

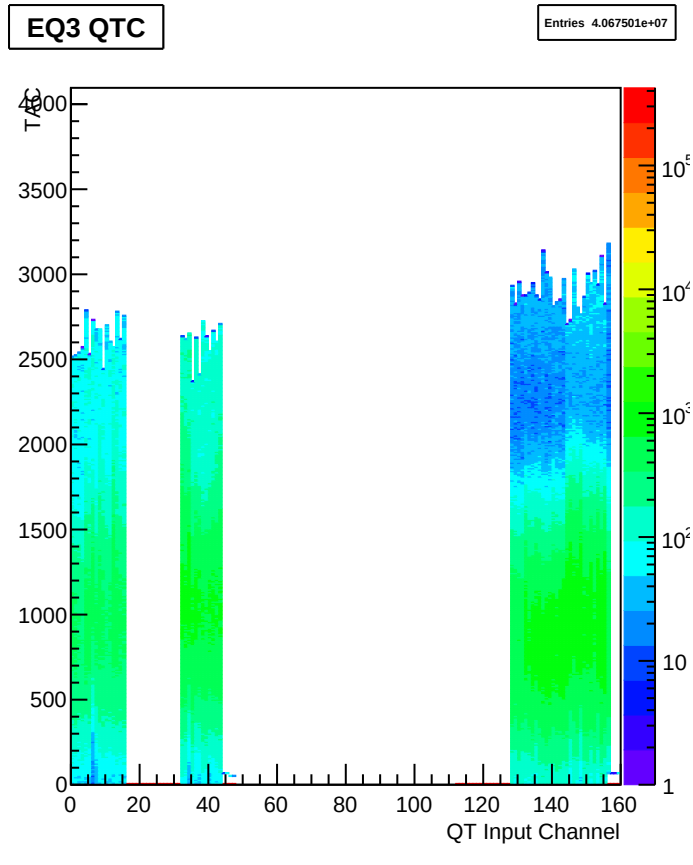

EQ2 QTC
Entries 4.067501e+07
ADC
QT Input Channel

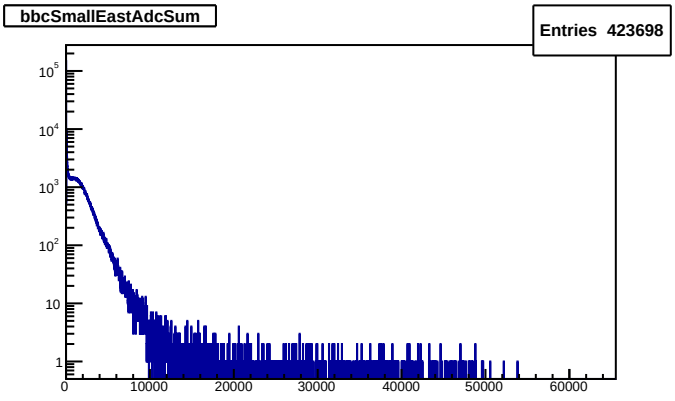

EQ2 QTC
Entries 4.067501e+07
TADC
QT Input Channel

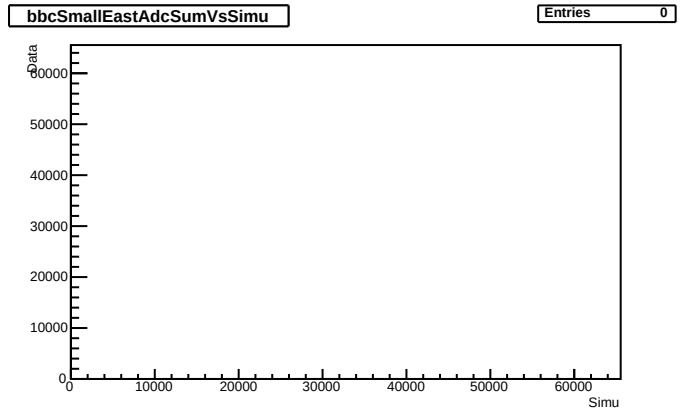

EQ3 QTB
Entries 1.084667e+08
ADC
QT Input Channel

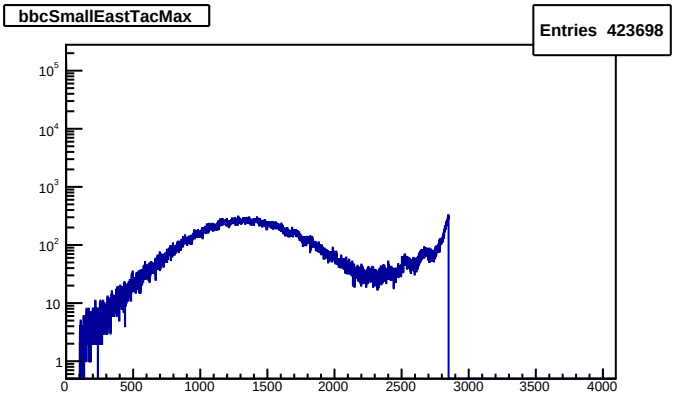

EQ3 QTB
Entries 3.441122e+07
TDC
QT Input Channel

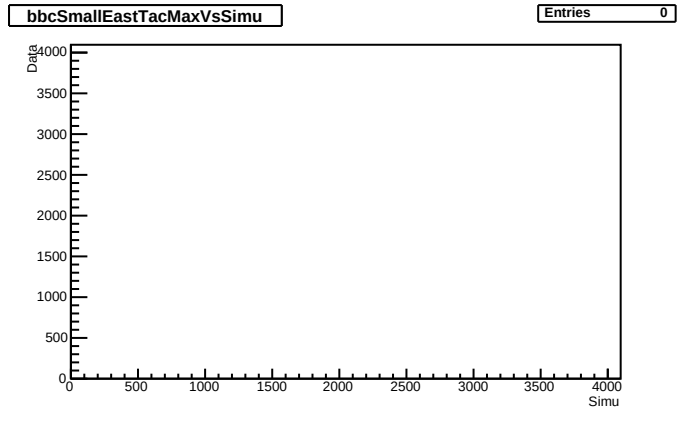

EQ3 QTC
Entries 4.067501e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.067501e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 423698


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 423698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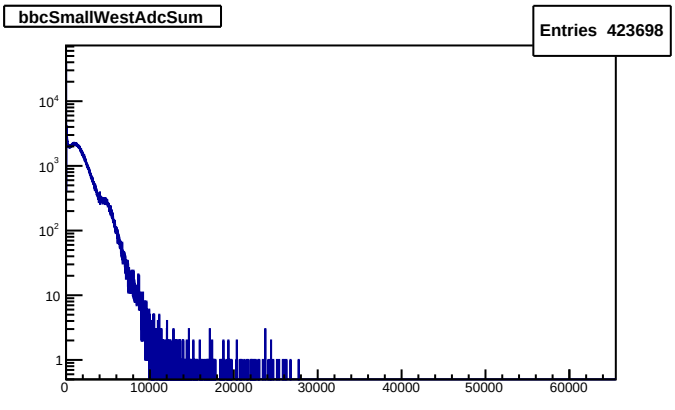
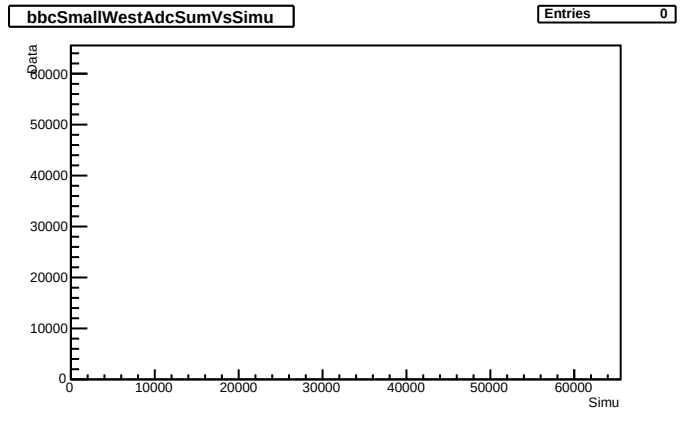

bbcSmallWestAdcSum
Entries 423698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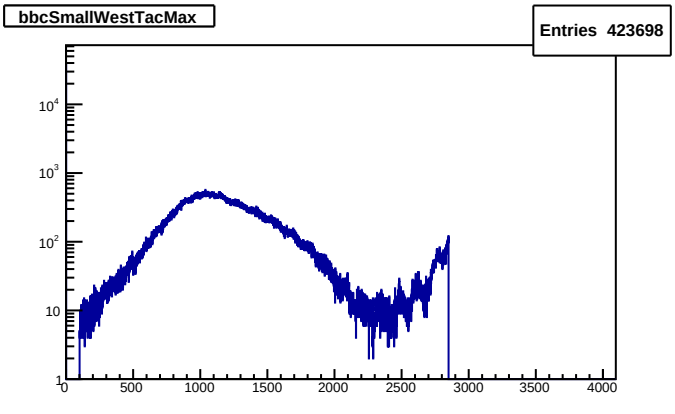
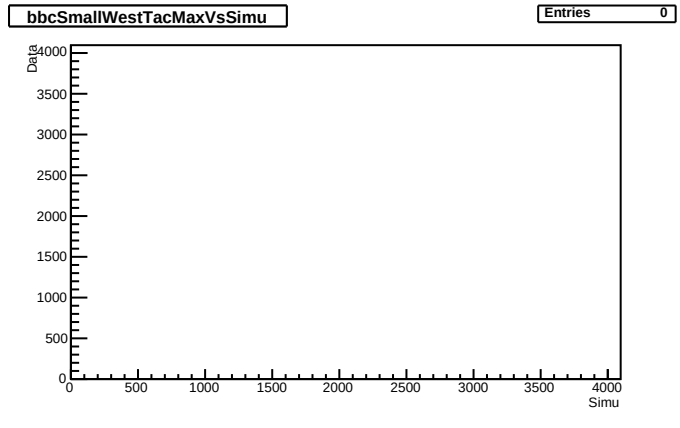
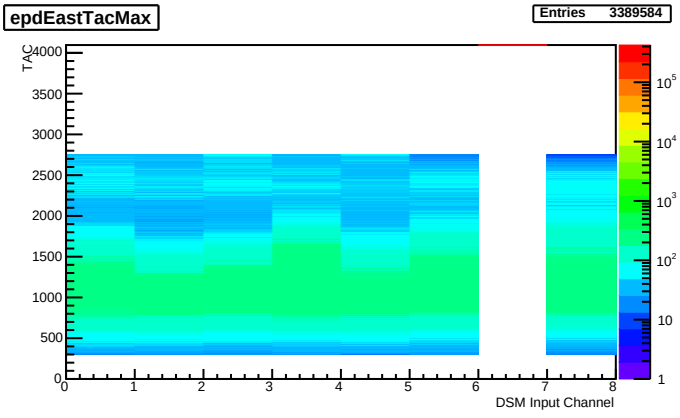
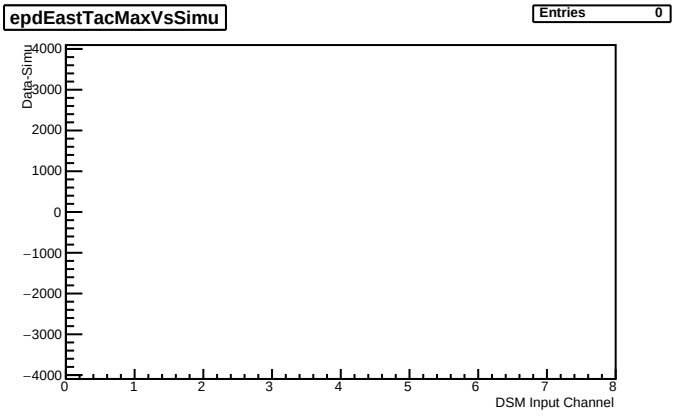
Simu


bbcSmallWestTacMax
Entries 423698


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3389584
TAC
DSM Input Channel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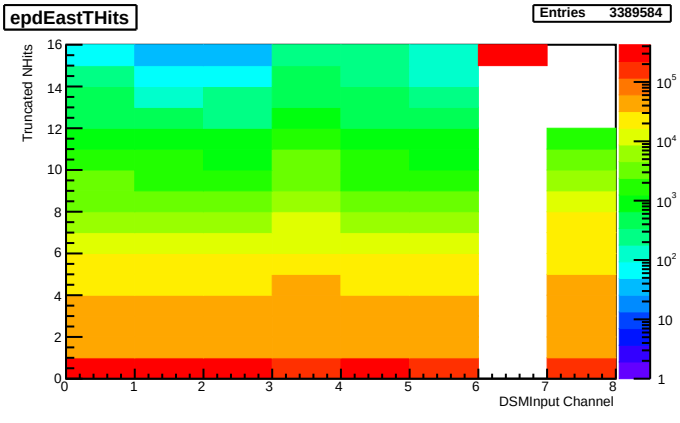
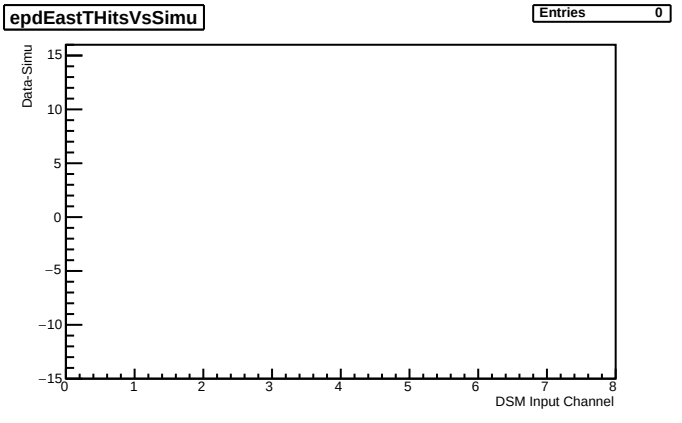
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3389584
Truncated NHits
DSMInput Channel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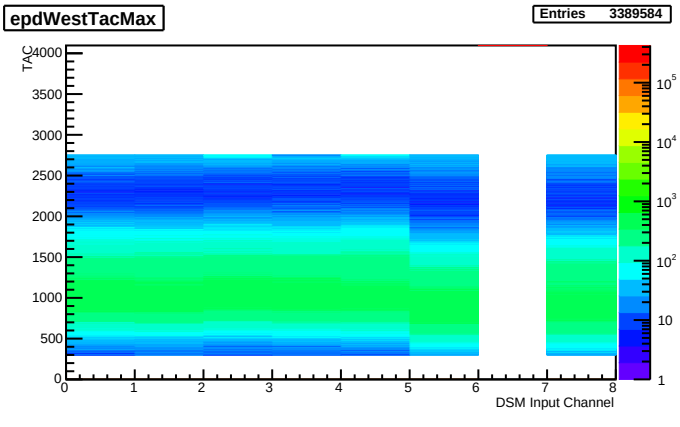
DSM Input Channel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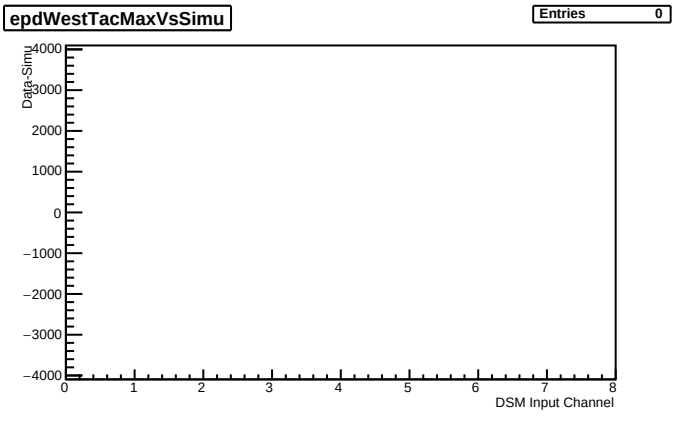
Entries 3389584
TAC
DSM Input Channel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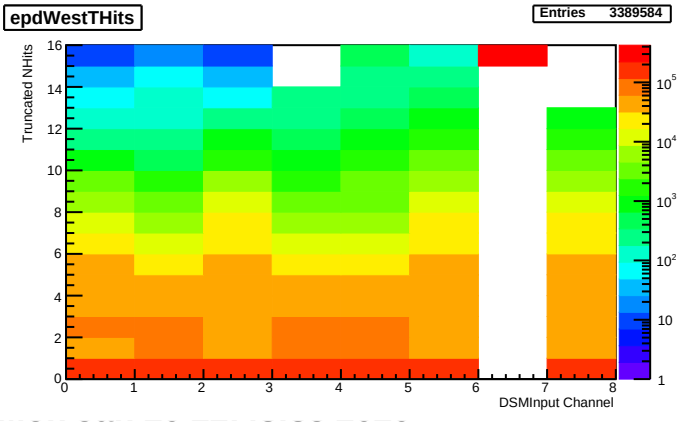
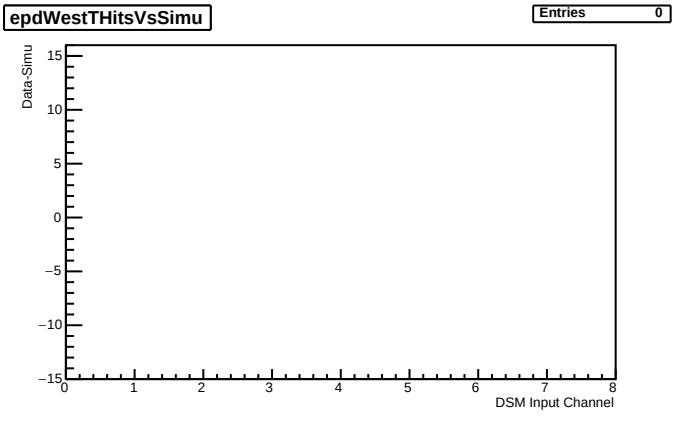
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3389584
Truncated NHits
DSMInput Channel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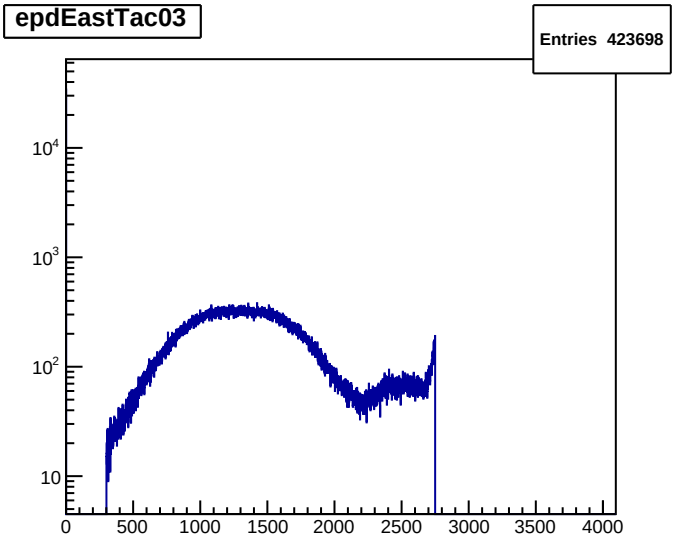
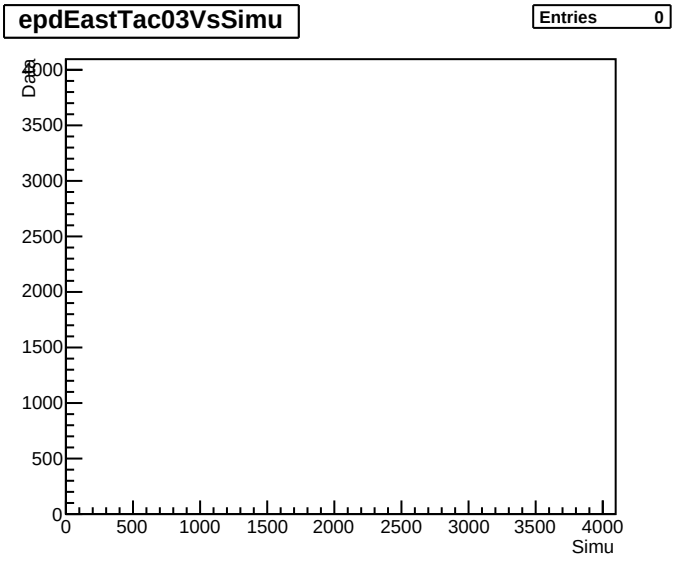
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 423698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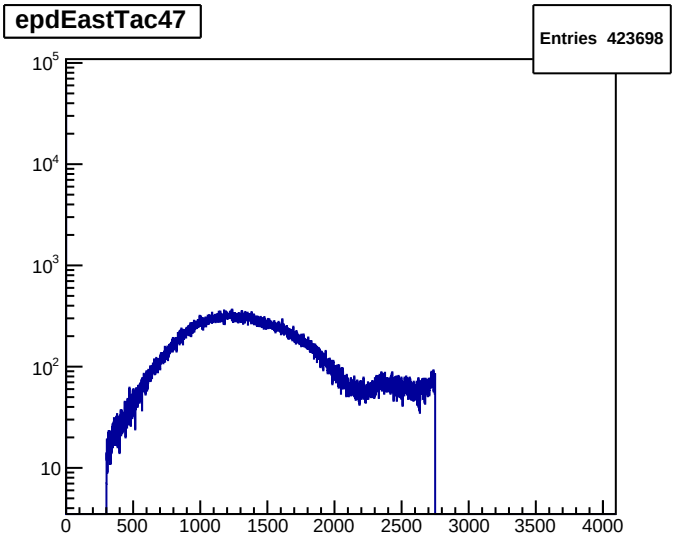
Entries 0
Data
Simu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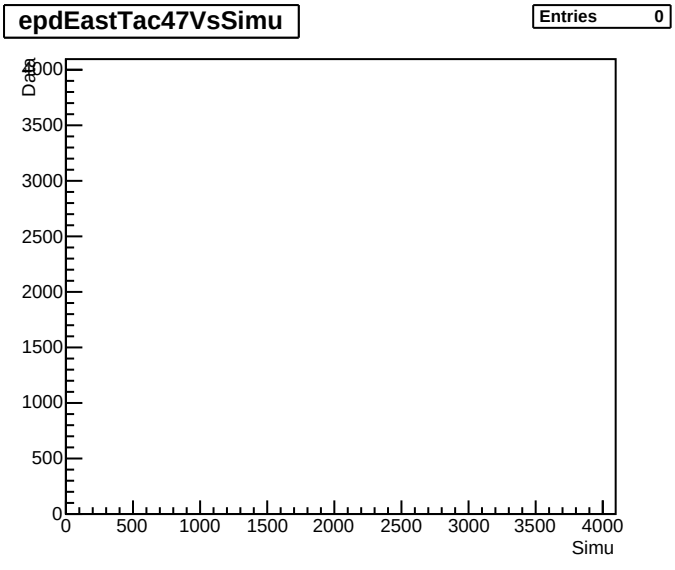
Entries 423698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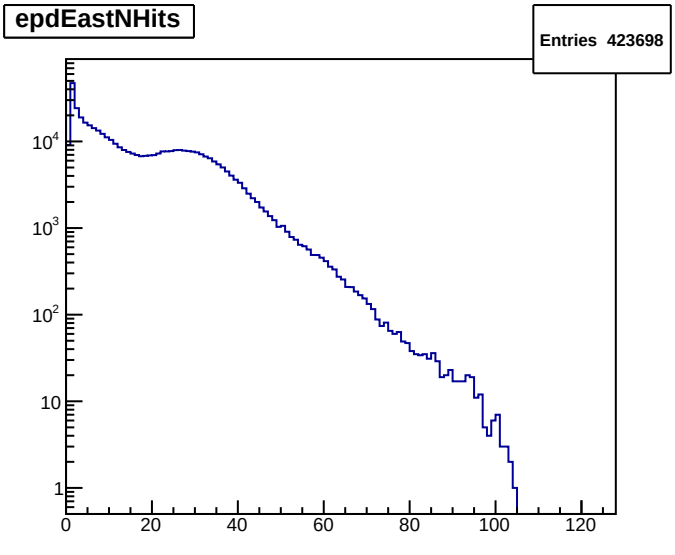
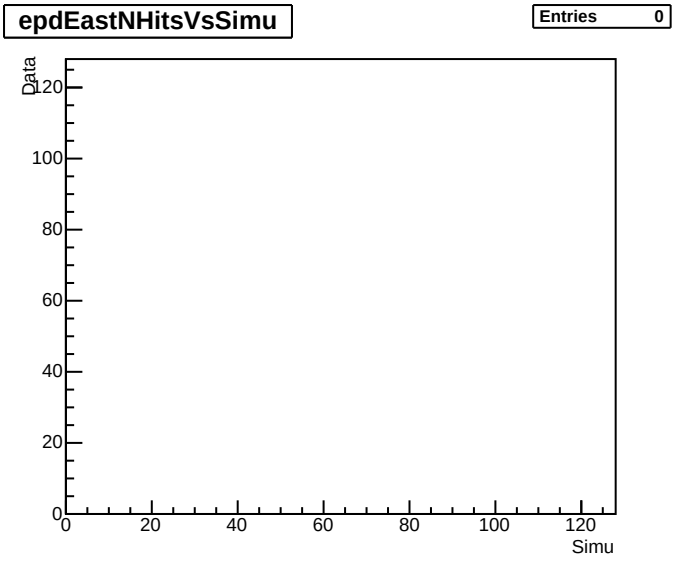
Entries 0
Data
Simu


epdEastNHits
Entries 423698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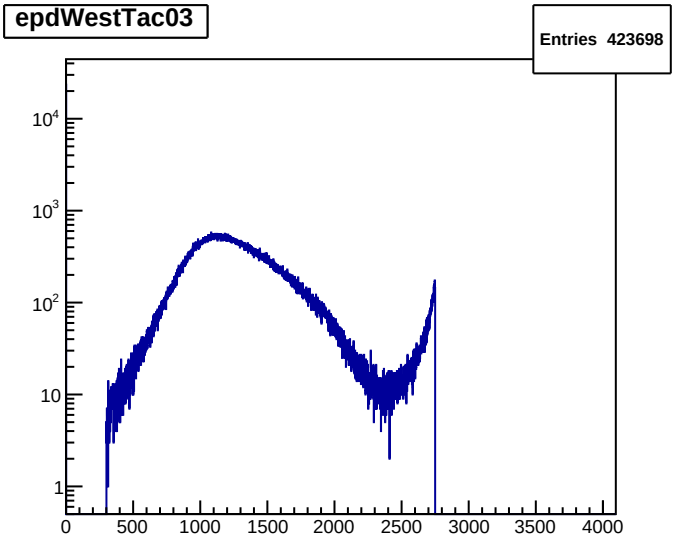
Entries 0
Data
Simu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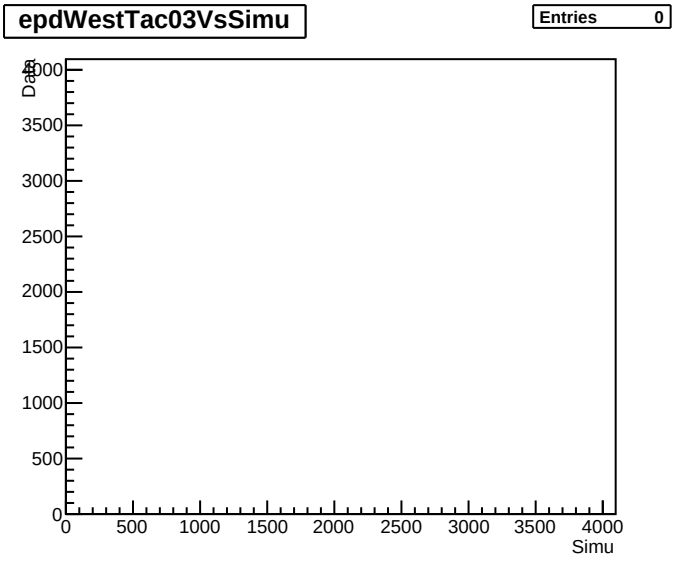
Entries 423698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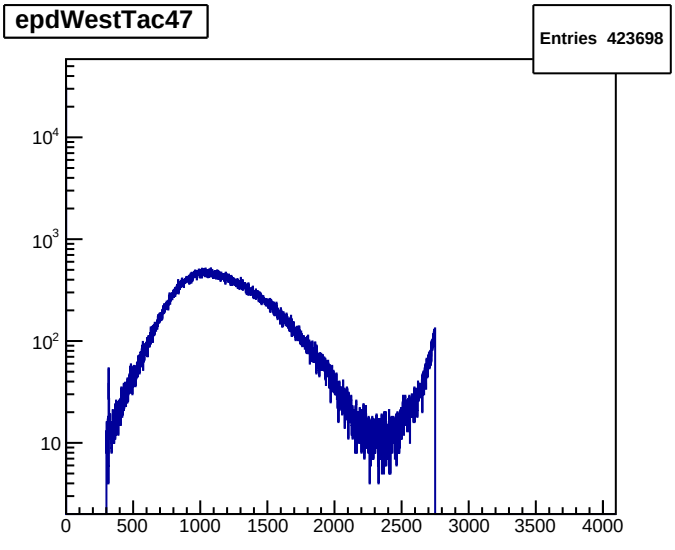
Entries 0
Data
Simu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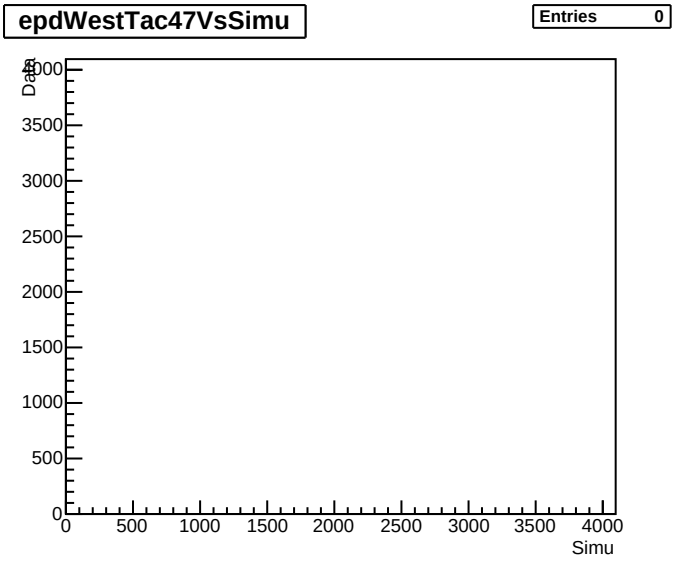
Entries 423698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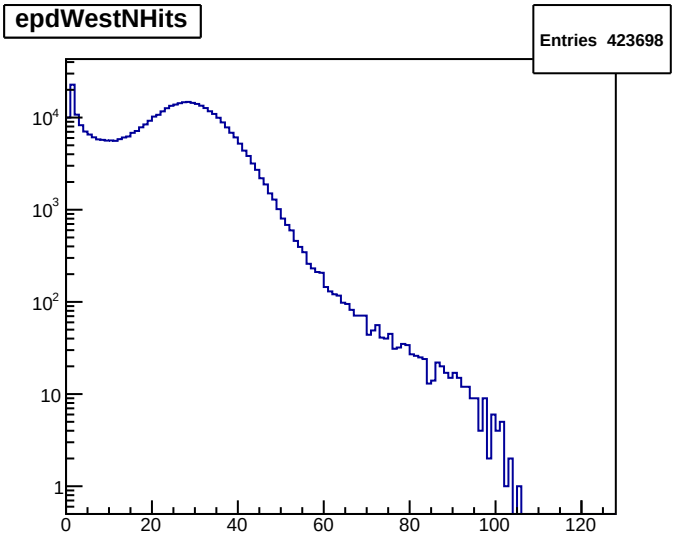
Entries 0
Data
Simu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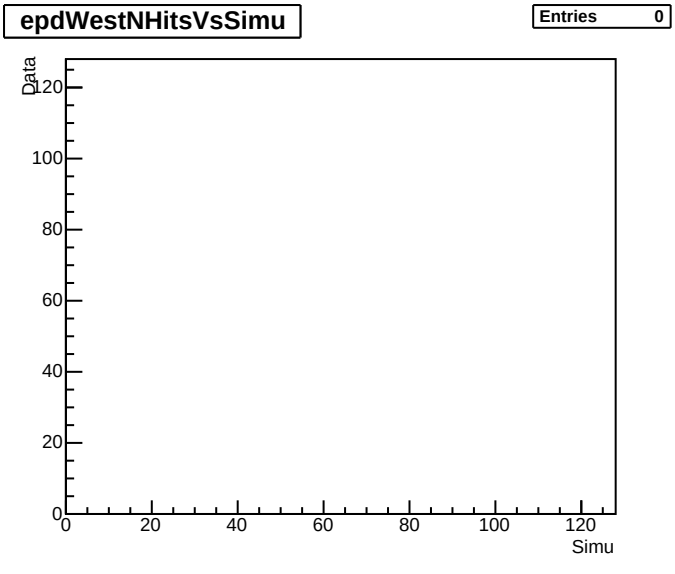
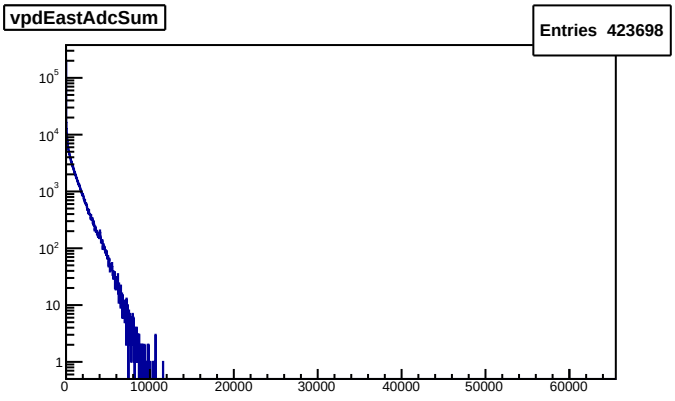
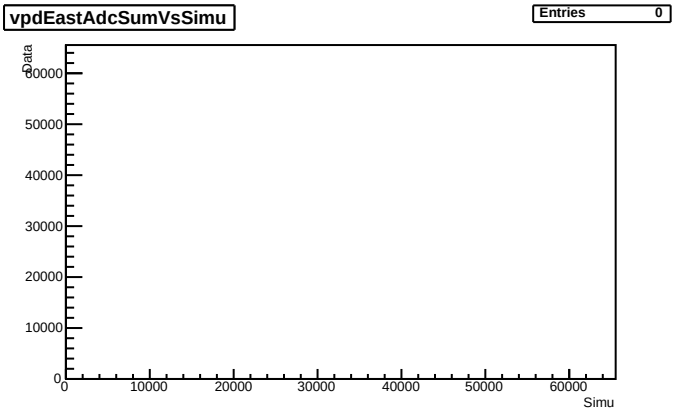
Entries 423698


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 423698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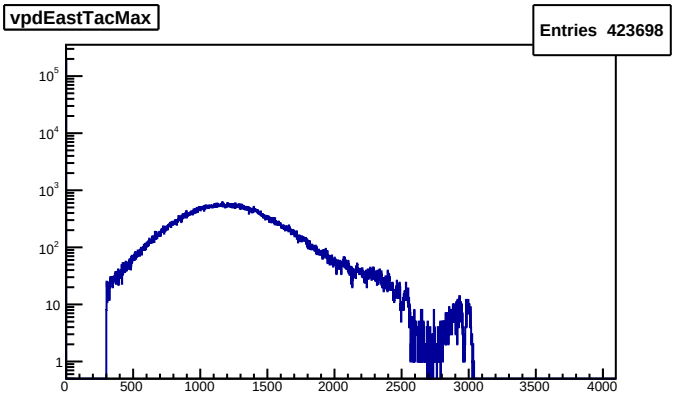
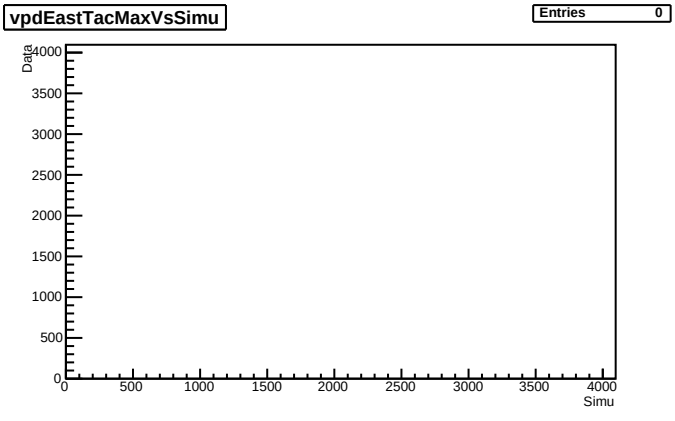
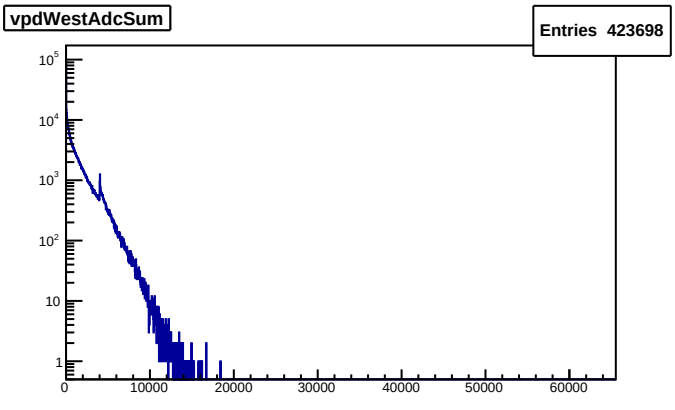
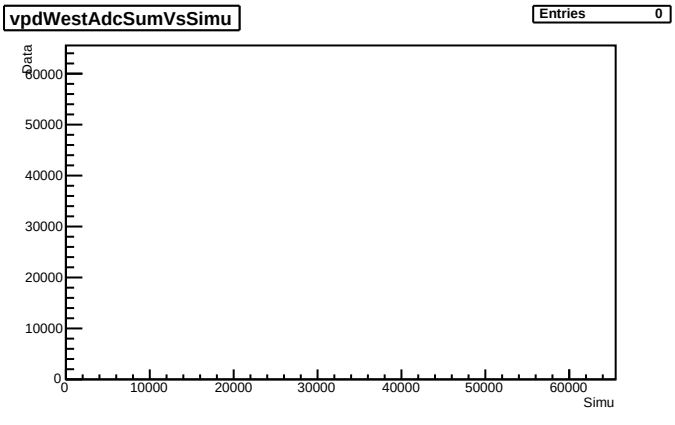
Entries 0
Data
Simu


vpdEastTacMax
Entries 423698


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 423698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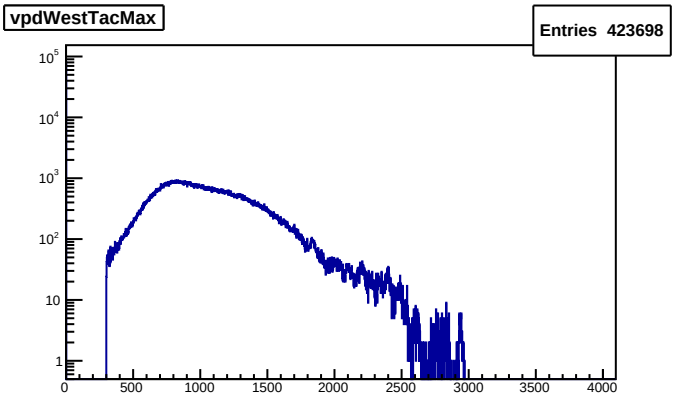
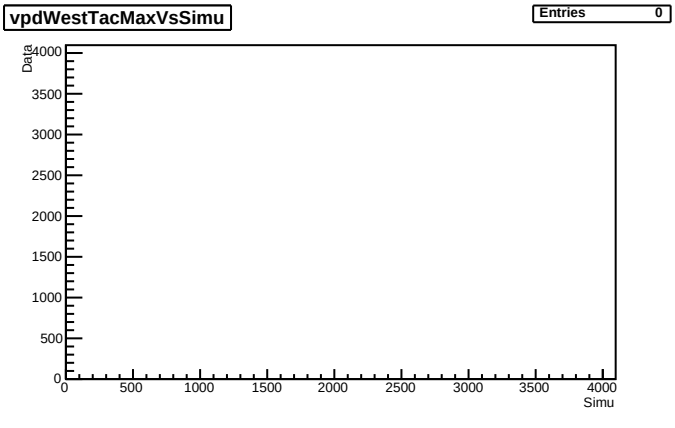
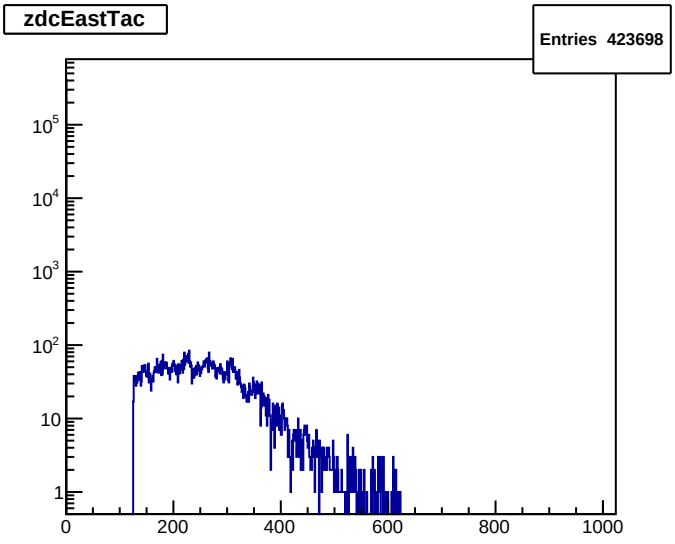
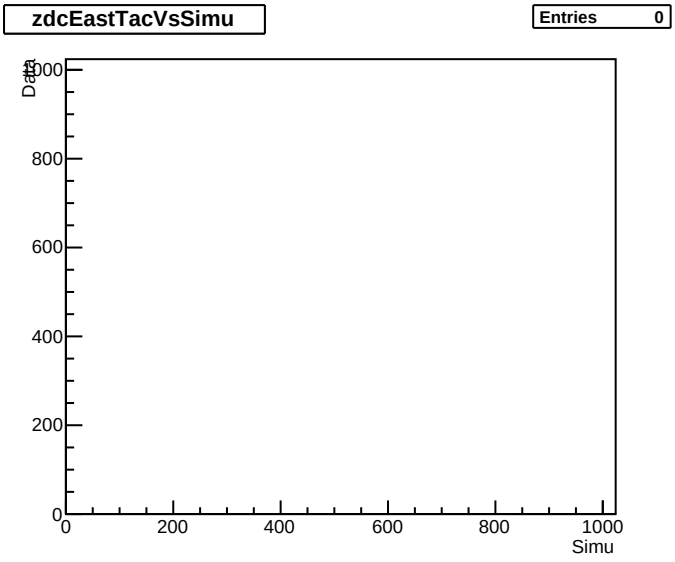
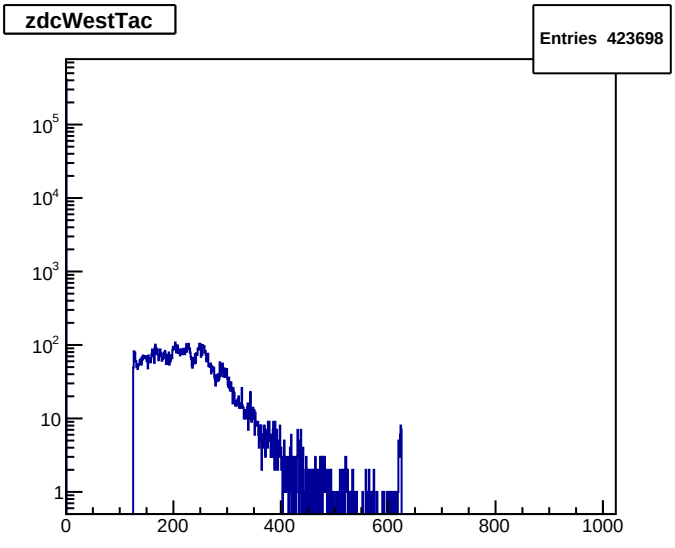
Entries 0
Data
Simu

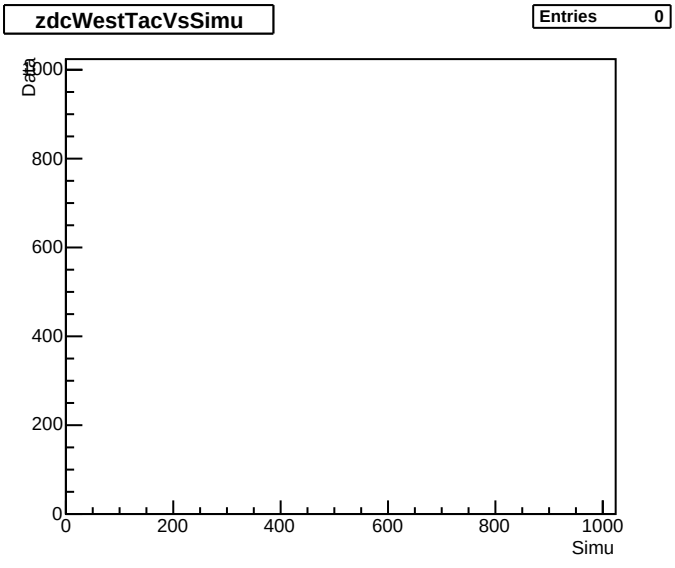

vpdWestTacMax
Entries 423698

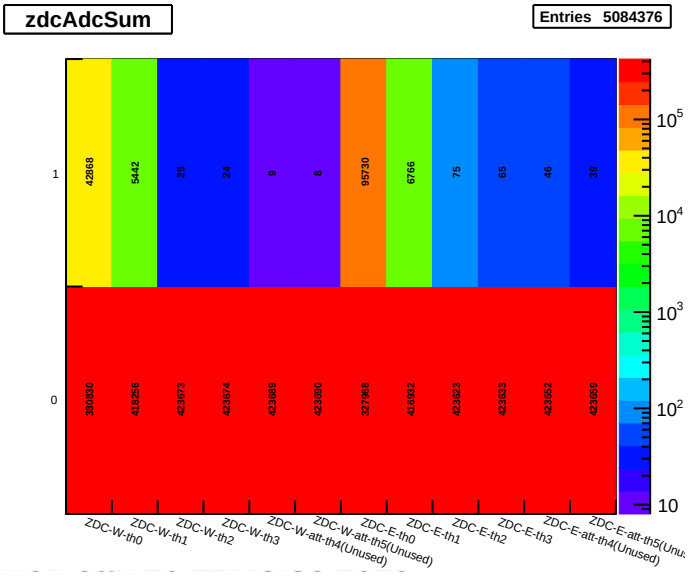

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 423698
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 423698
10^5
10^4
10^3
10^2
10
1
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 5084376
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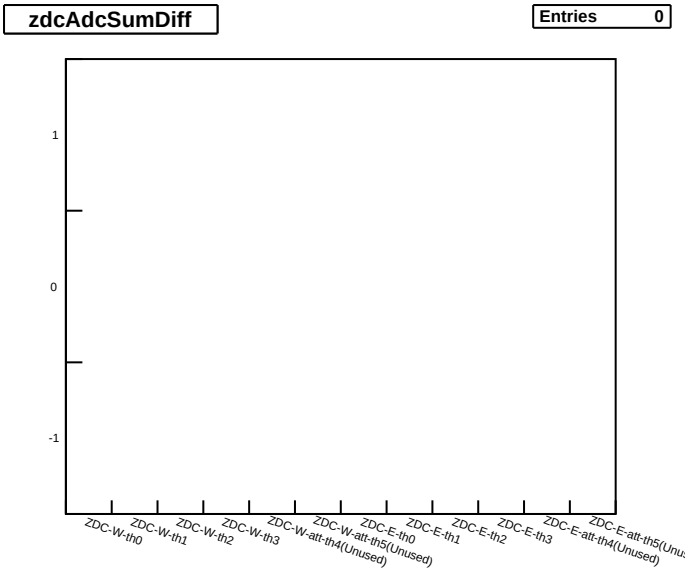
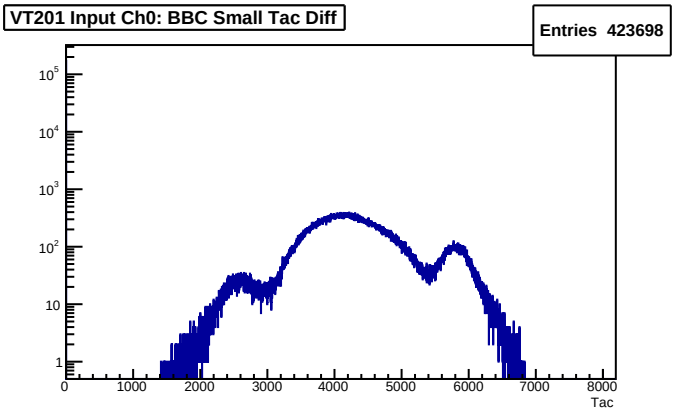
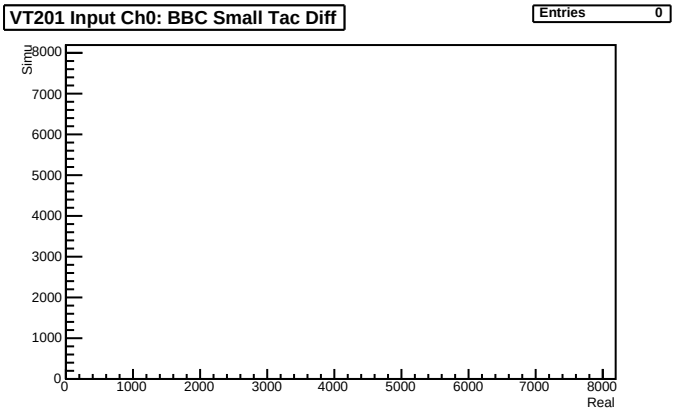
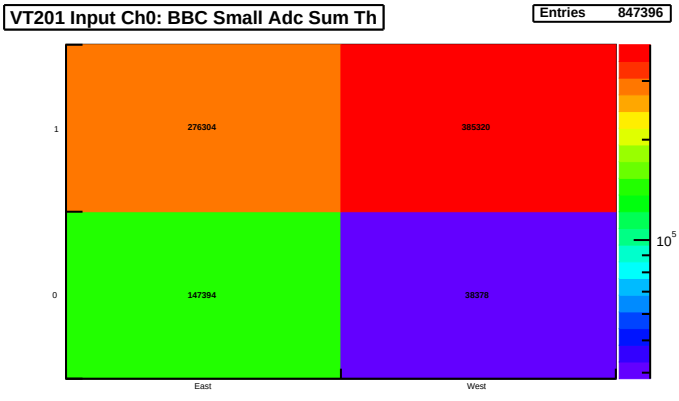
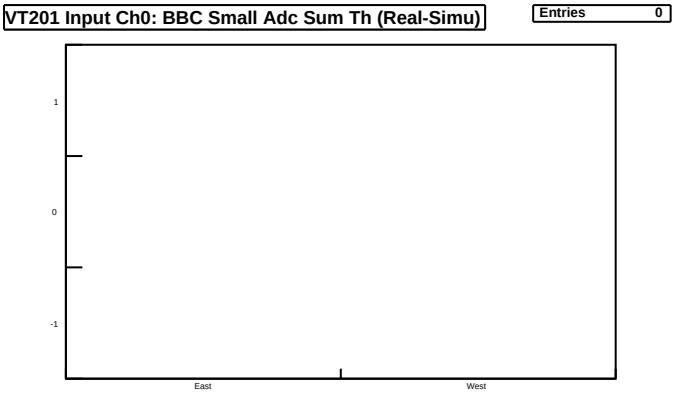
0
42868
5442
25
24
9
8
95730
6766
75
65
46
39
380830
418256
423673
423674
423689
423690
327568
416832
423623
423633
423652
423669
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

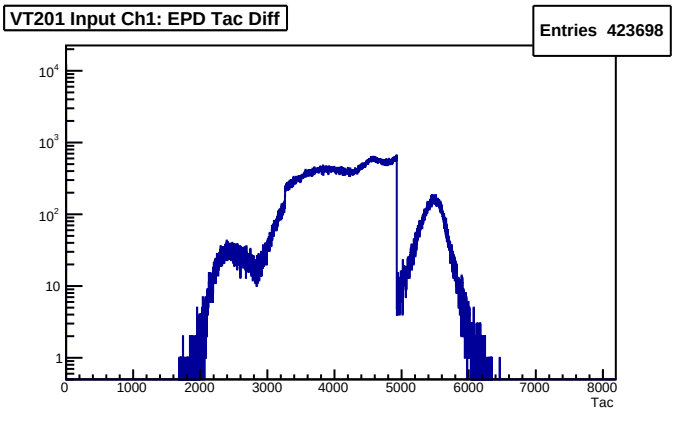

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

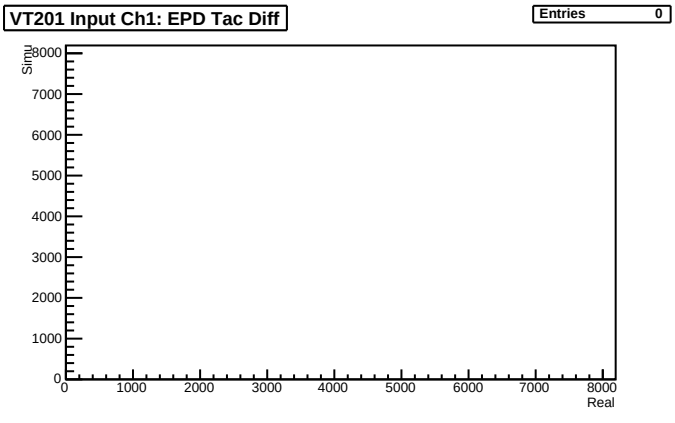

VT201 Input Ch0: BBC Small Tac Diff
Entries 423698
Tac

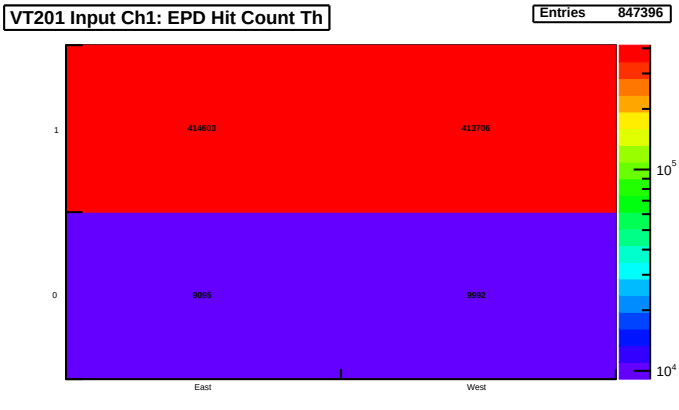

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

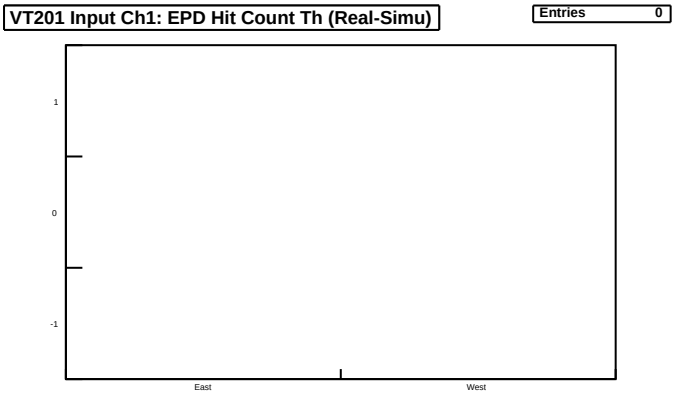

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 847396
276304
385320
147394
38378
East
West

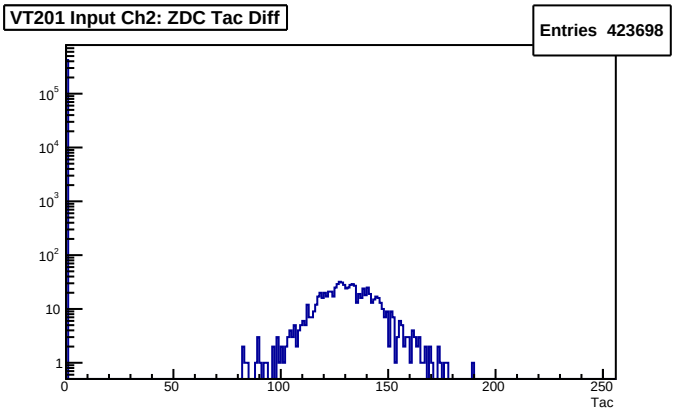

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

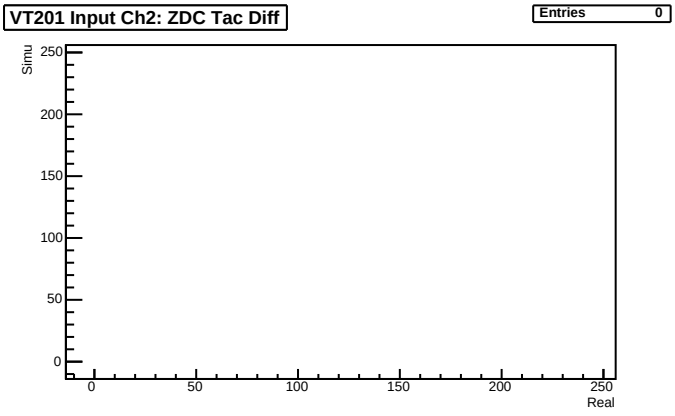

VT201 Input Ch1: EPD Tac Diff
Entries 423698
Tac

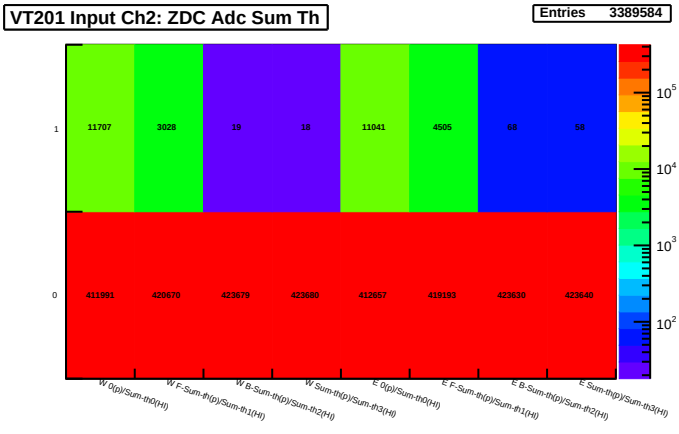

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

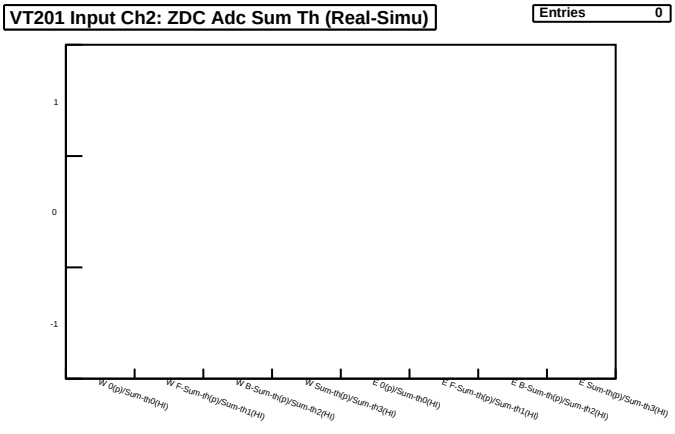

VT201 Input Ch1: EPD Hit Count Th
Entries 847396
414603
413706
9095
9992
East
West

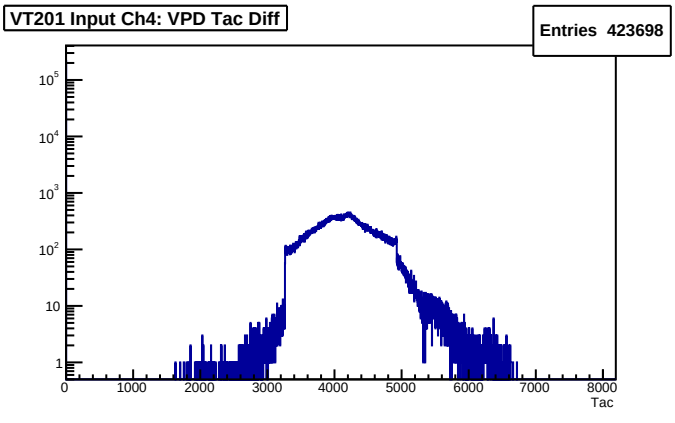

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

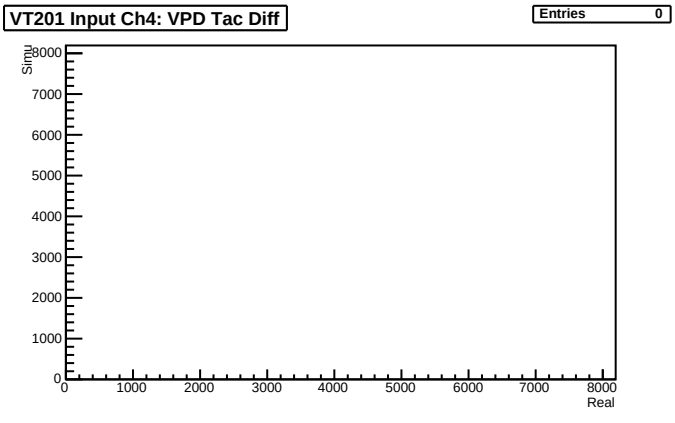

VT201 Input Ch2: ZDC Tac Diff
Entries 423698
Tac

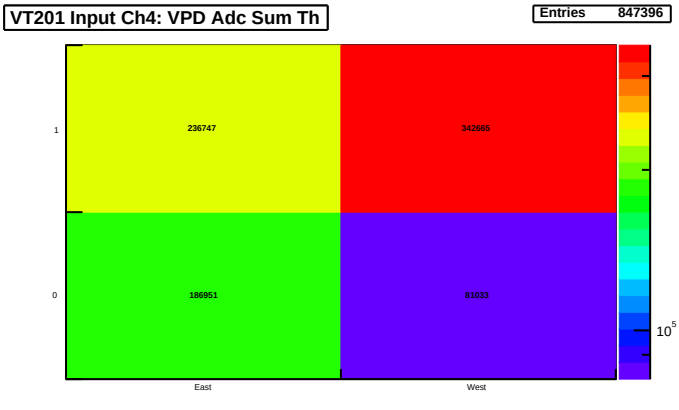

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

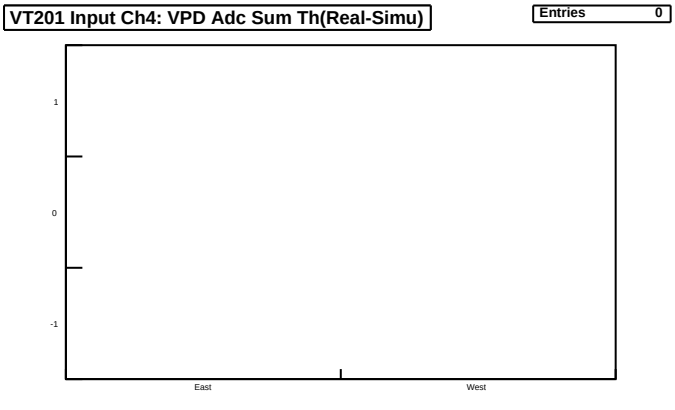

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3389584
11707
3028
19
18
11041
4505
68
68
411991
420670
423679
423680
412657
419193
423630
423640
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

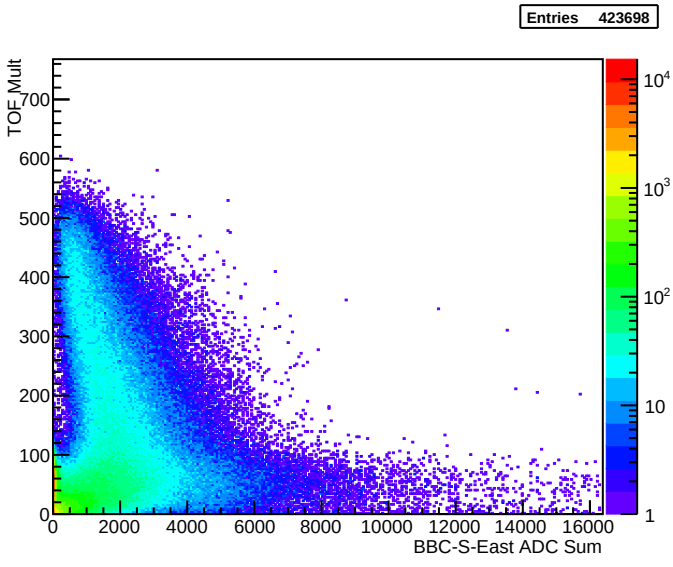

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

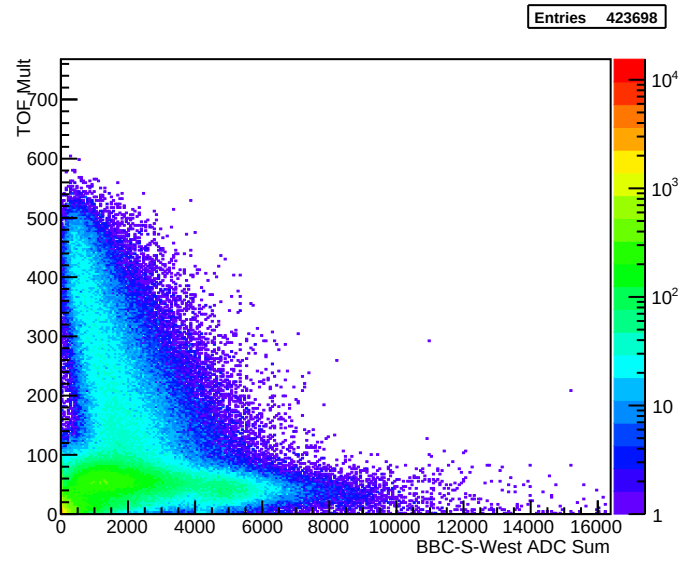

VT201 Input Ch4: VPD Tac Diff
Entries 423698
Tac

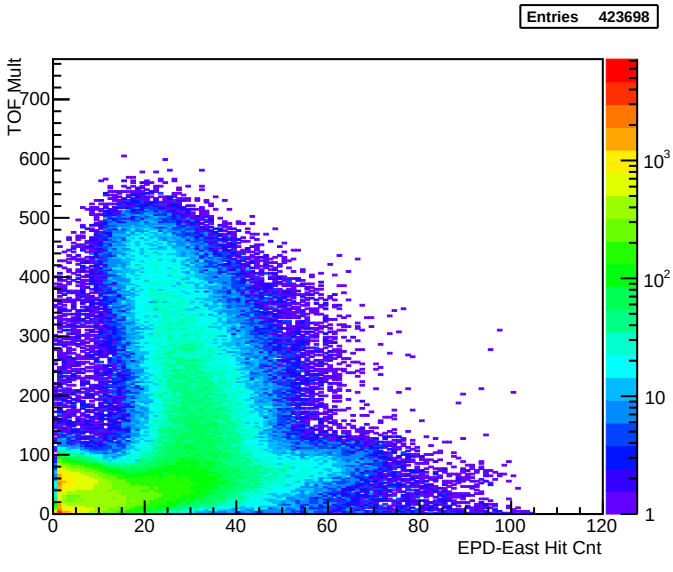

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

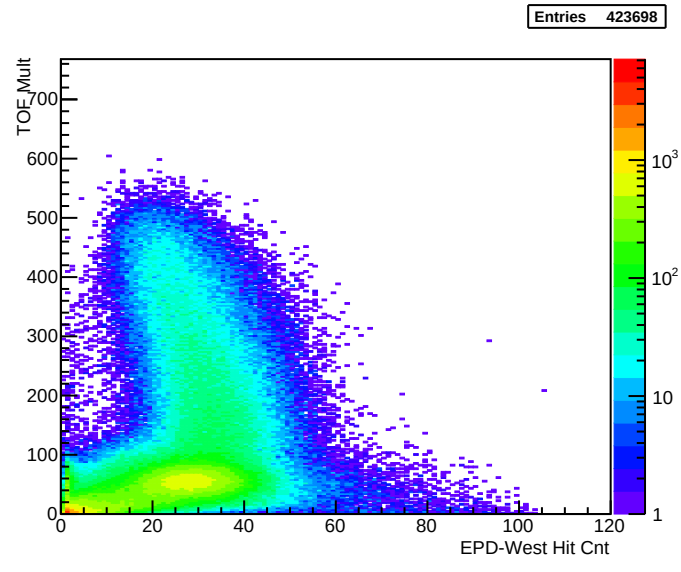

VT201 Input Ch4: VPD Adc Sum Th
Entries 847396
236747
342665
186951
81033
East
West

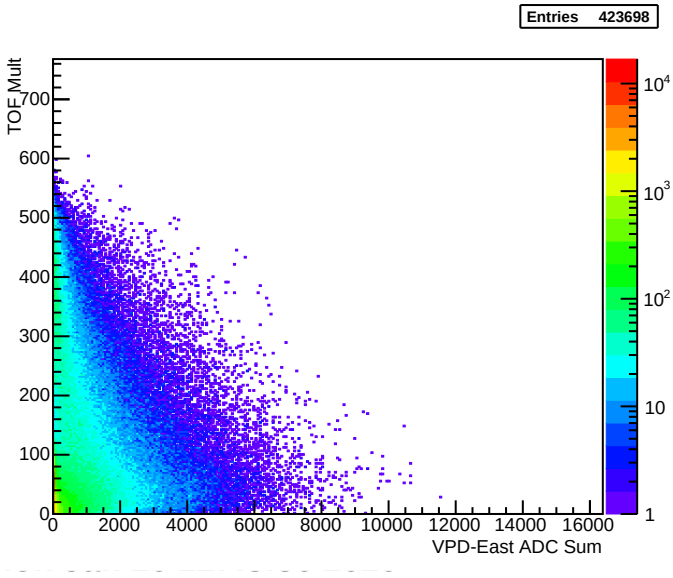

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

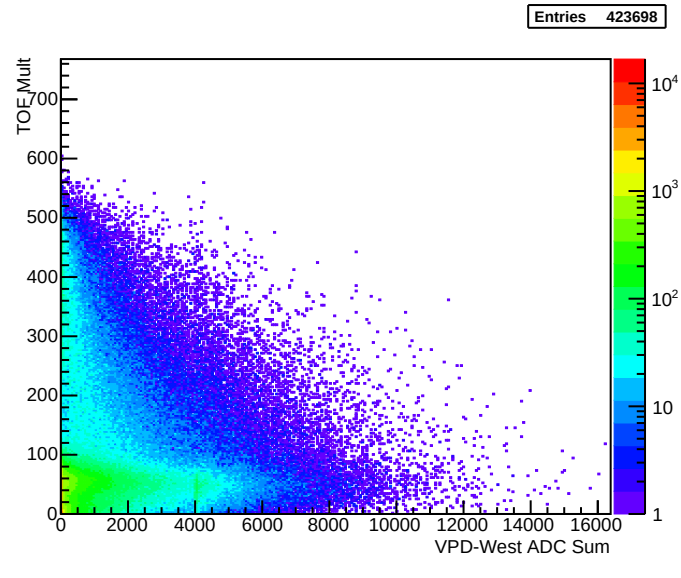

Entries 423698
TOF_Mult
BBC-S-East ADC Sum

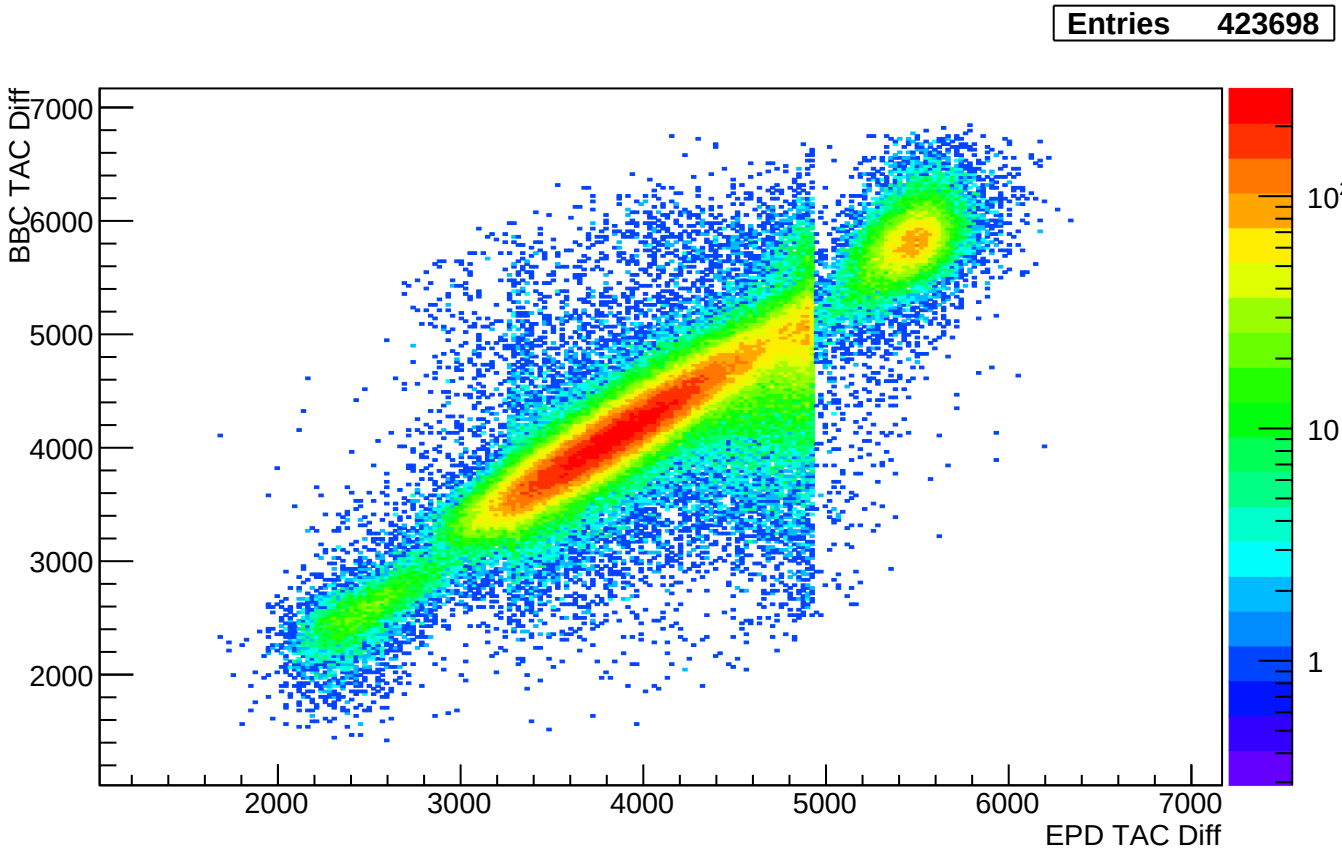

Entries 423698
TOF_Mult
BBC-S-West ADC Sum

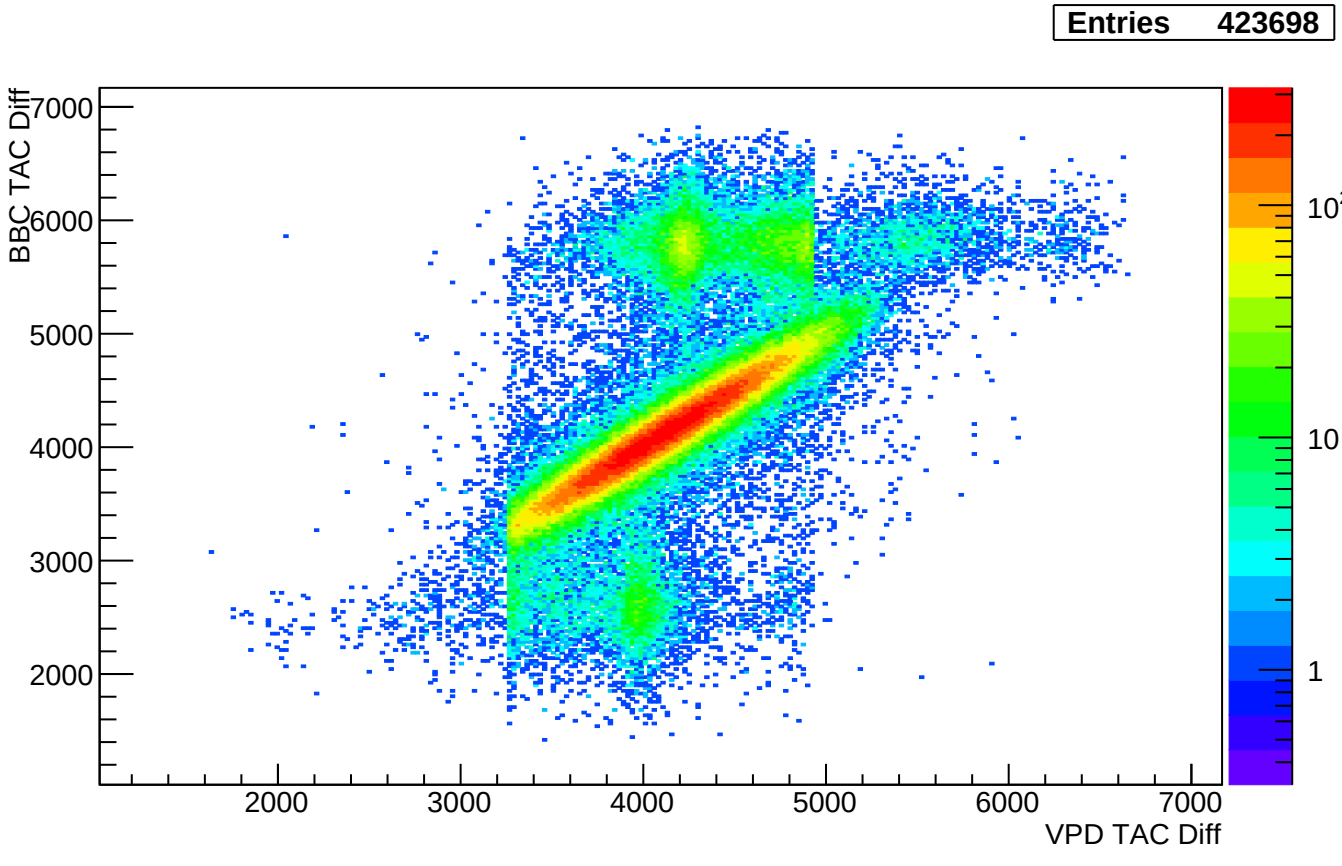

Entries 423698
TOF_Mult
EPD-East Hit Cnt

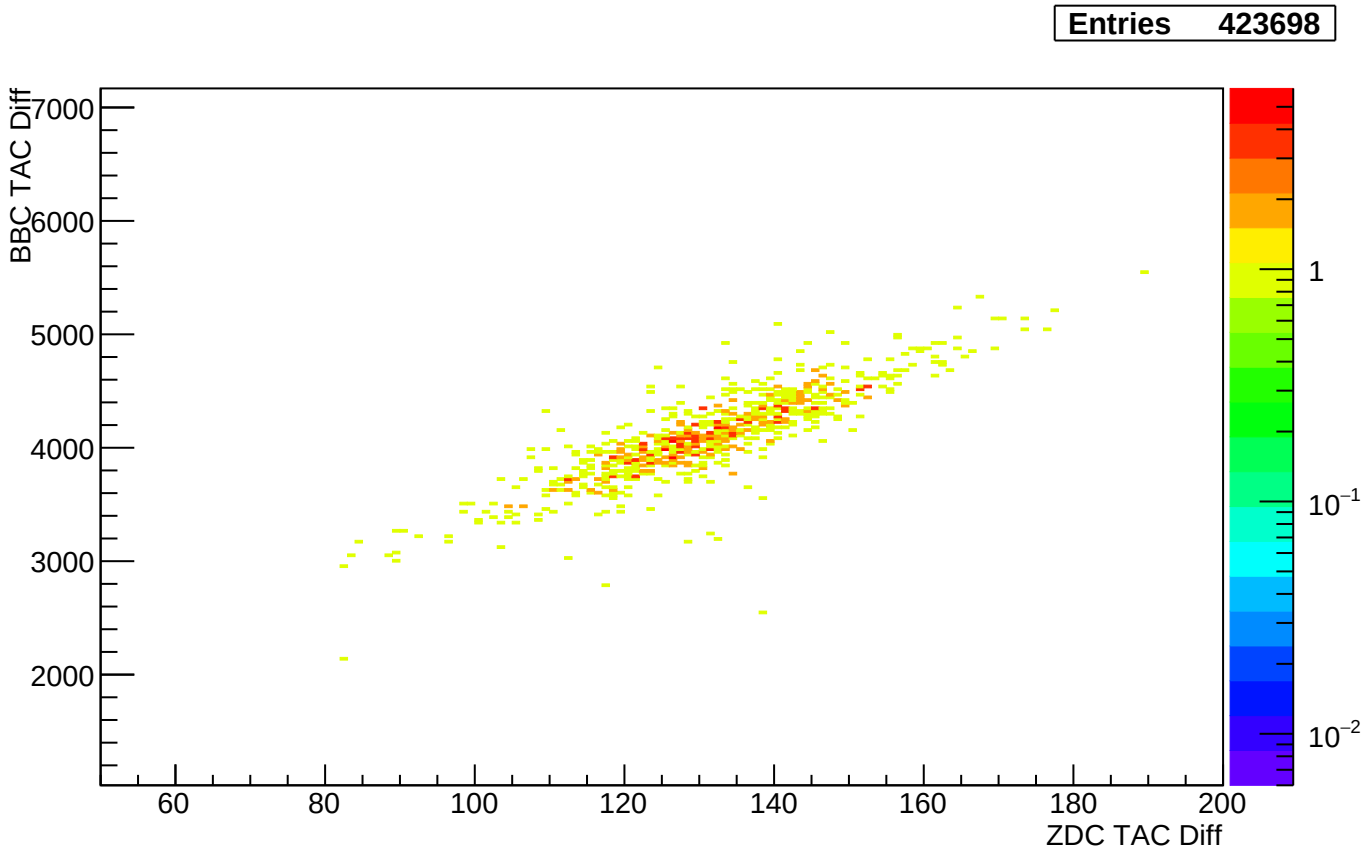

Entries 423698
TOF_Mult
EPD-West Hit Cnt

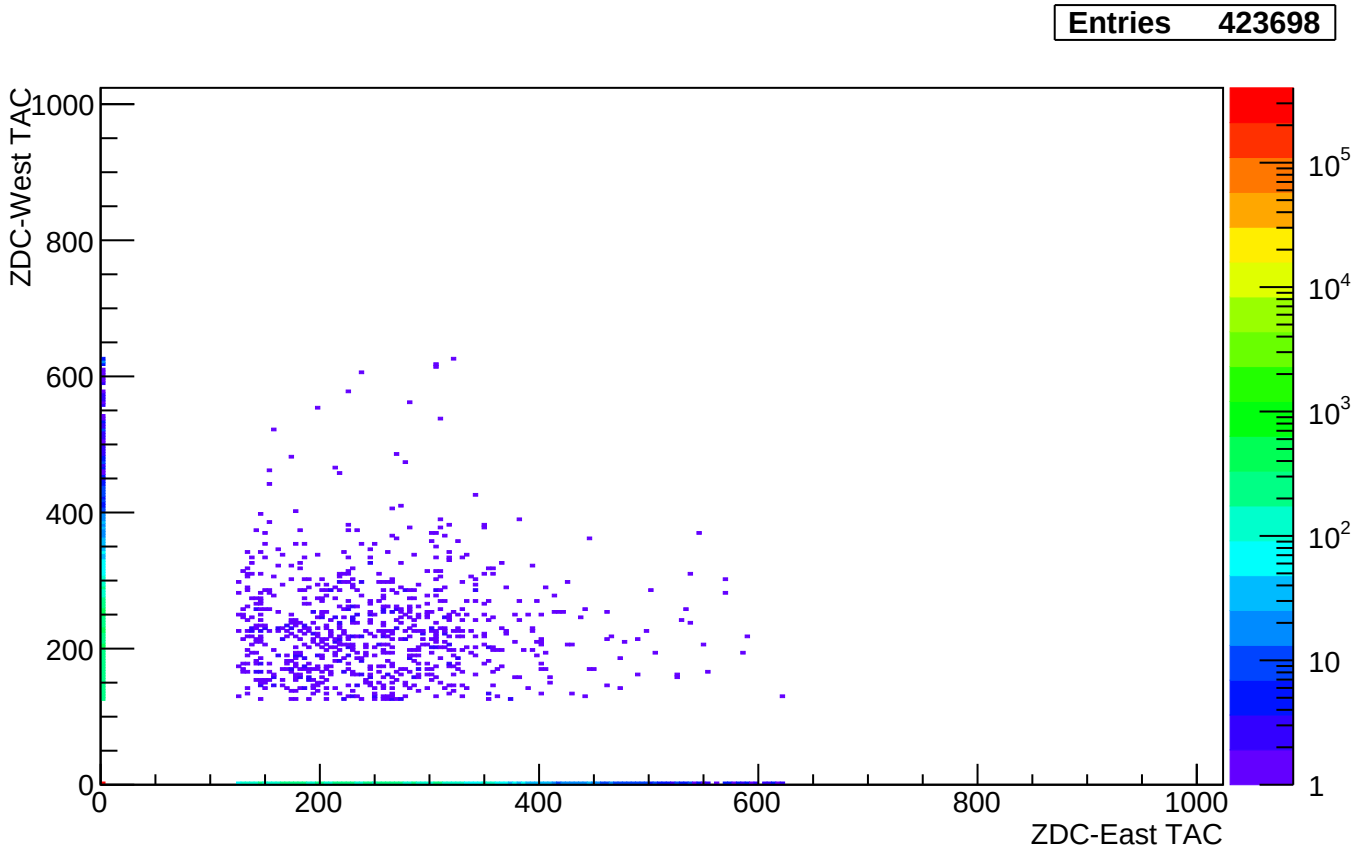

Entries 423698
TOF_Mult
VPD-East ADC Sum

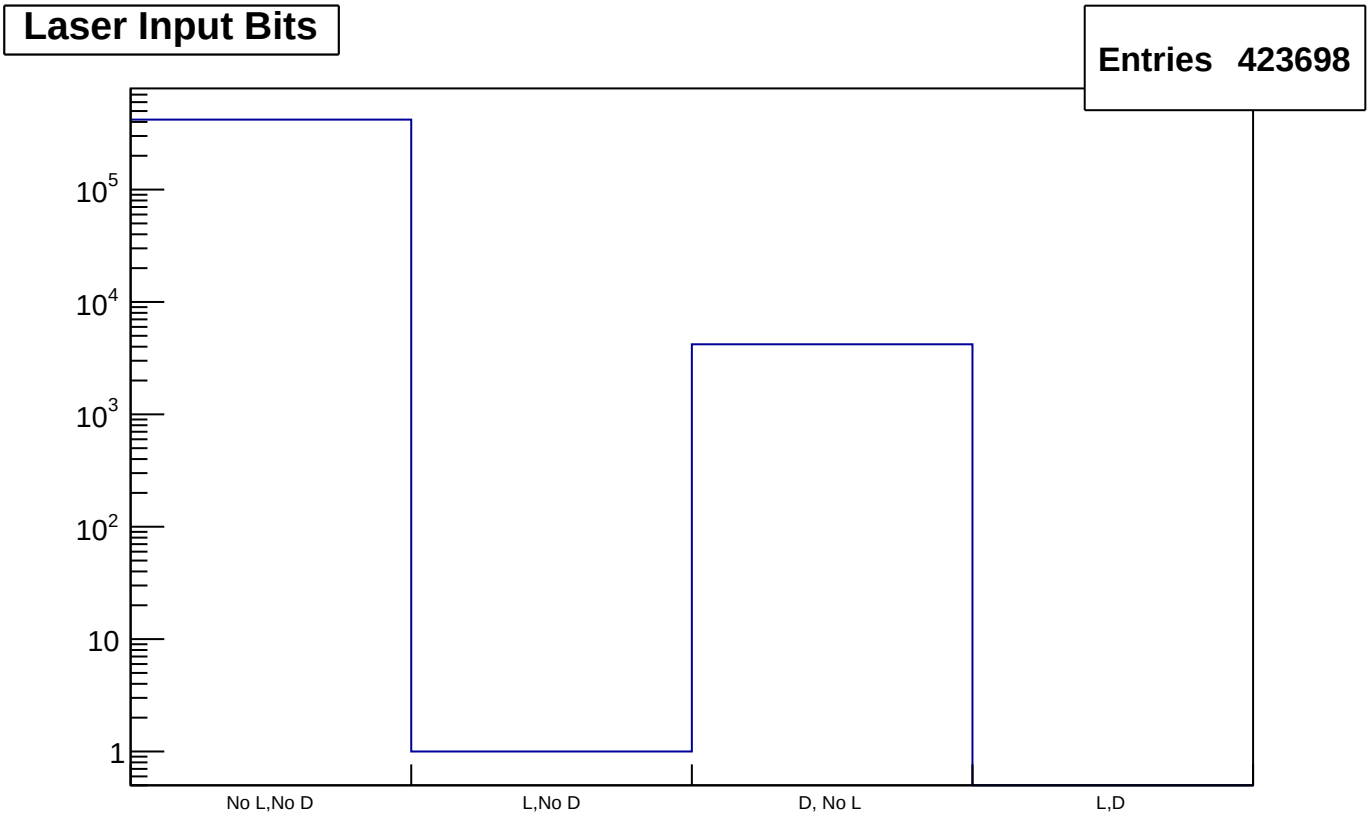

Entries 423698
TOF_Mult
VPD-West ADC Sum

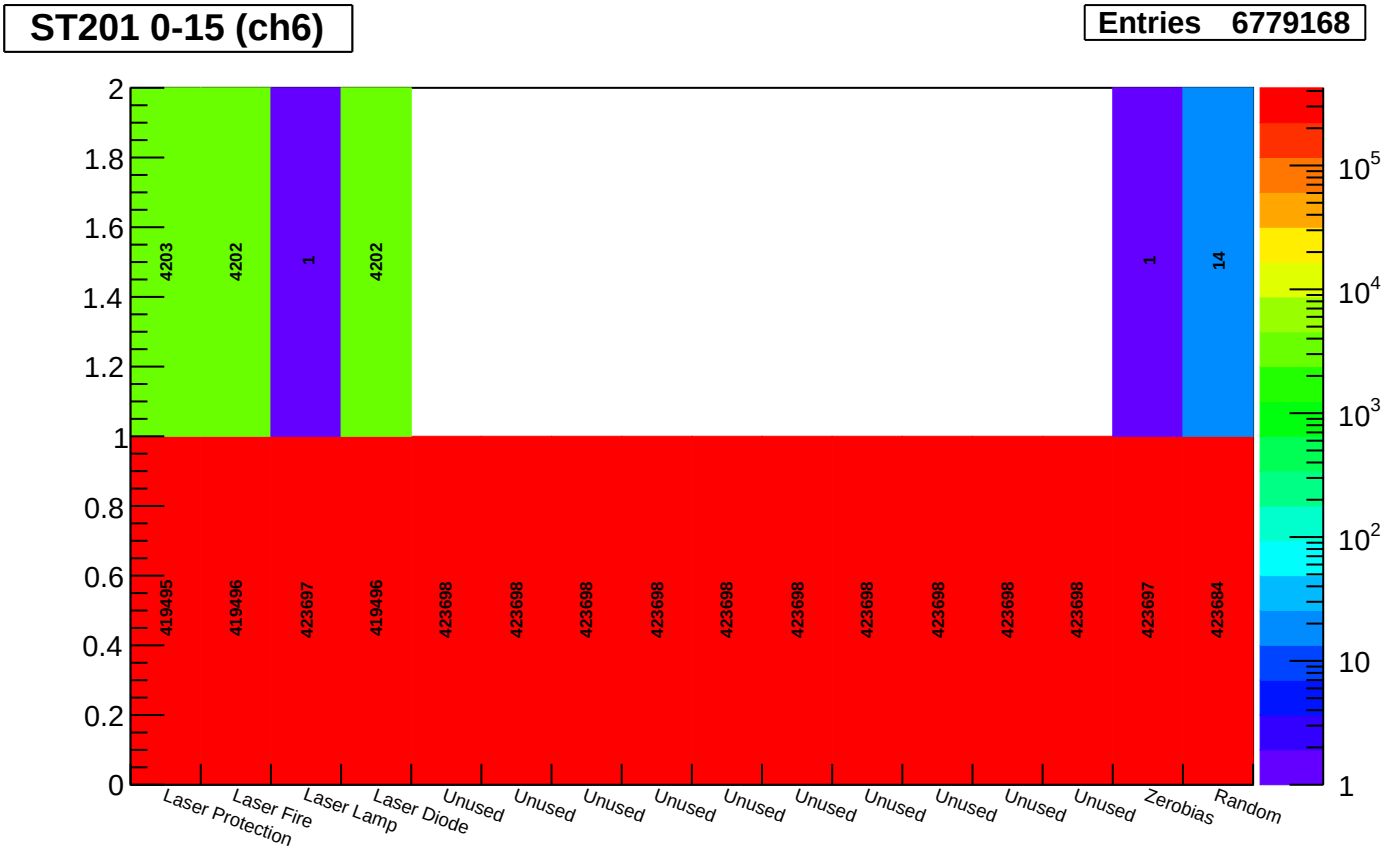

Entries 423698
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

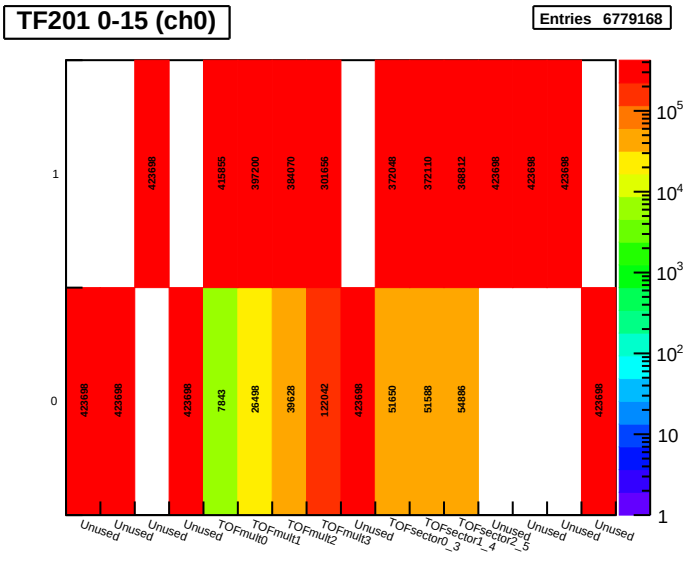

Entries 423698
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

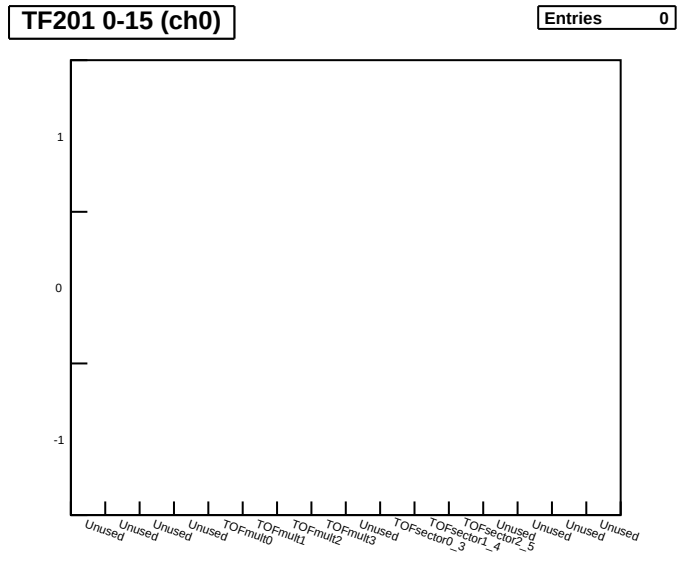

Entries 423698
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

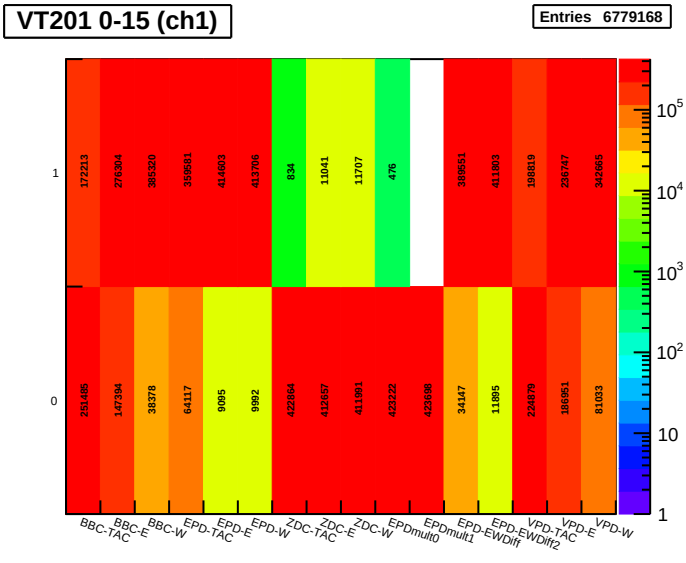

Entries 423698
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

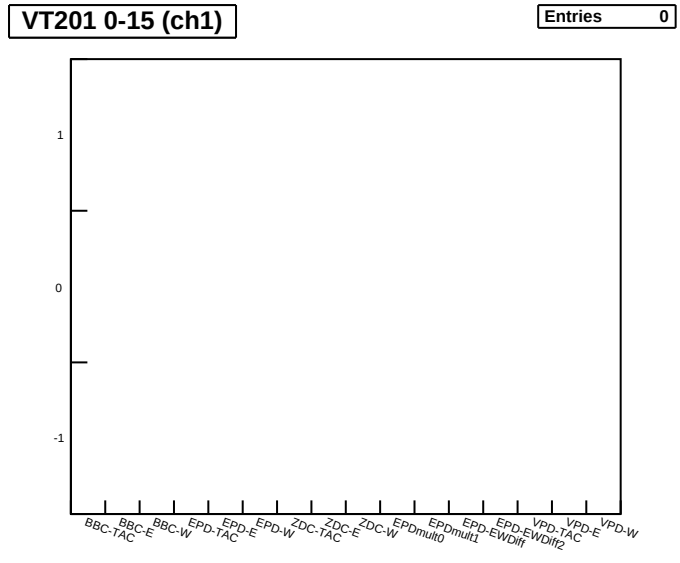

Laser Input Bits
Entries 423698
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

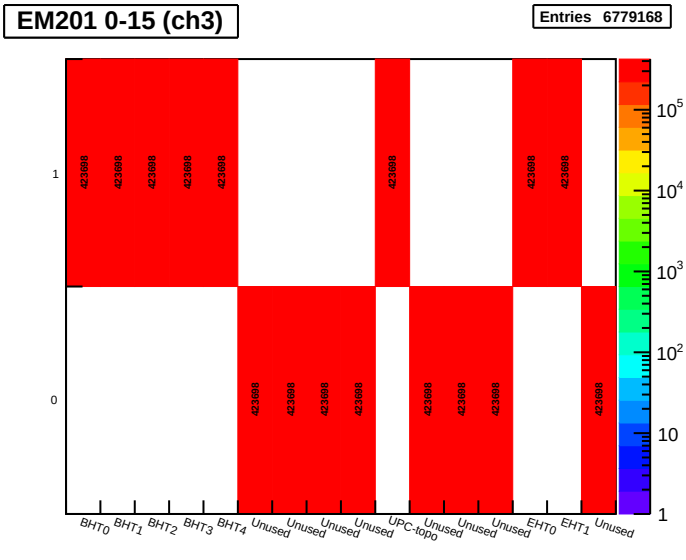

ST201 0-15 (ch6)
Entries 6779168
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4203
4202
1
4202
1
14
419495
419496
423697
419496
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
423697
423684
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

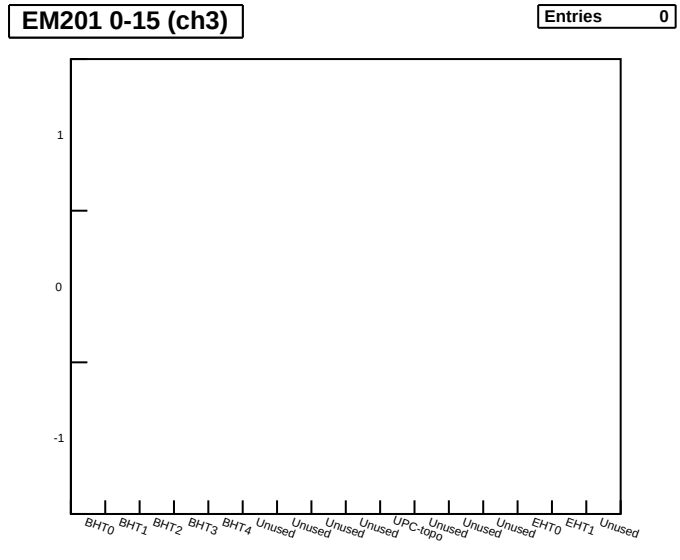

TF201 0-15 (ch0)
Entries 6779168
1
0
423698
415855
397200
384070
301656
372048
372110
368812
423698
423698
423698
423698
423698
423698
7843
26498
39628
122042
423698
51650
51588
54886
423698
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 6779168
1
0
172213
276304
365320
359581
414603
413706
834
11041
11707
476
389551
411803
198819
236747
342665
231485
147394
38378
64117
9095
9992
422864
412657
411991
423222
423698
34147
11895
224879
186951
81033
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 6779168
1
0
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
423698
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^5
10^4
10^3
10^2
10
1


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