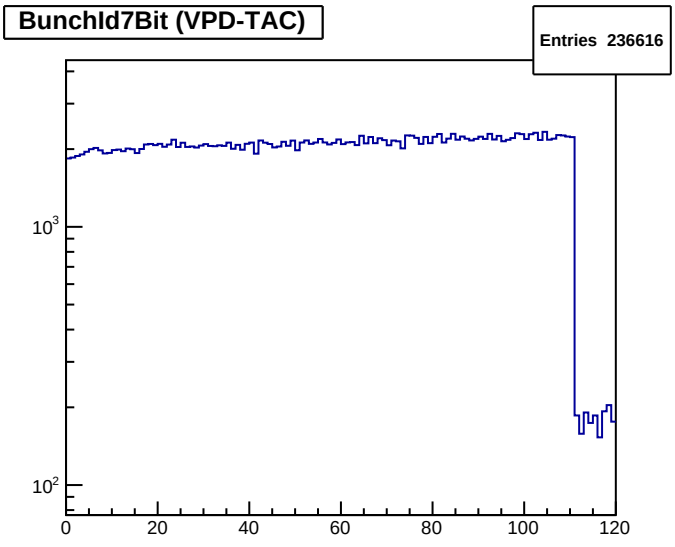
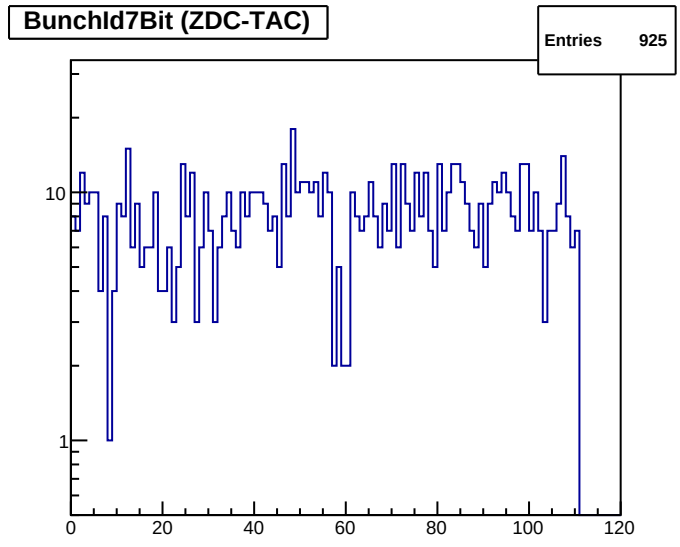
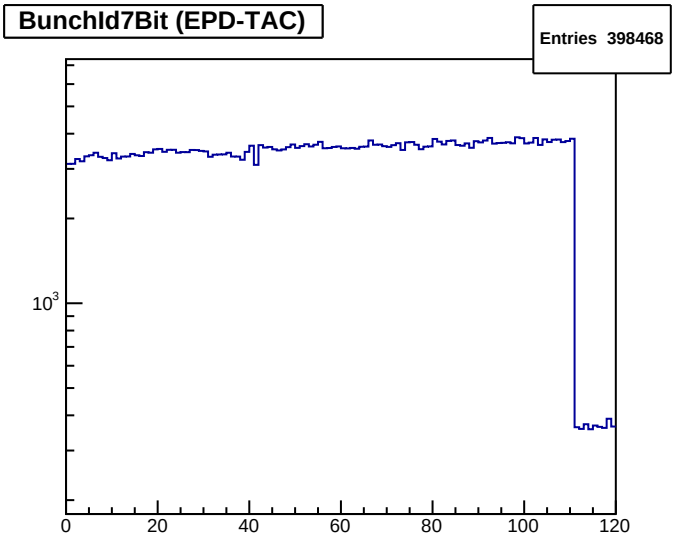
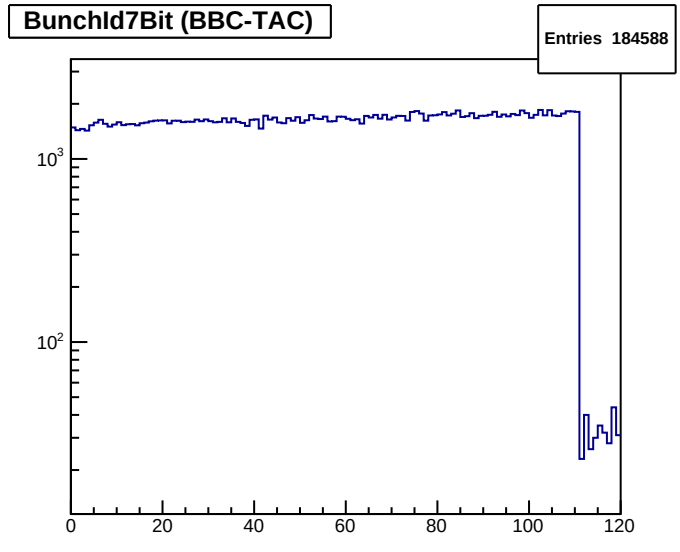
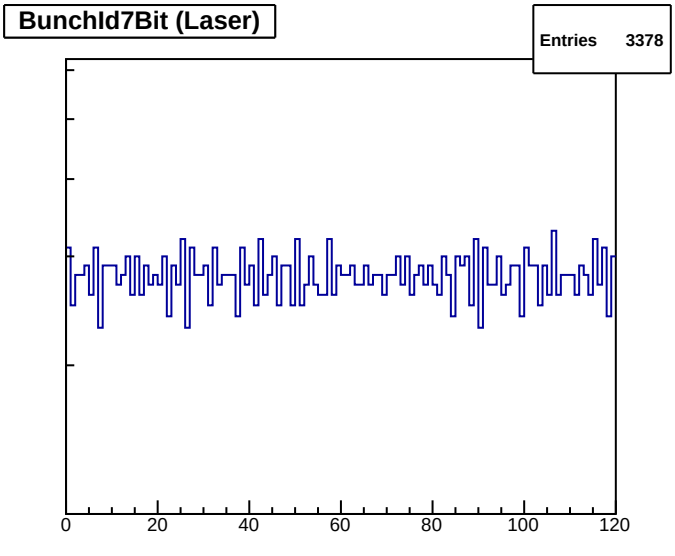
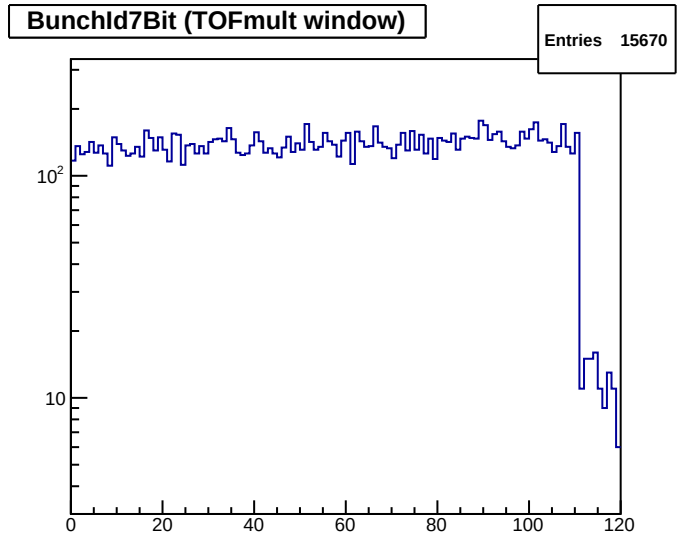

BunchId7Bit (VPD-TAC)
Entries 236616
10^3
10^2
0 20 40 60 80 100 120

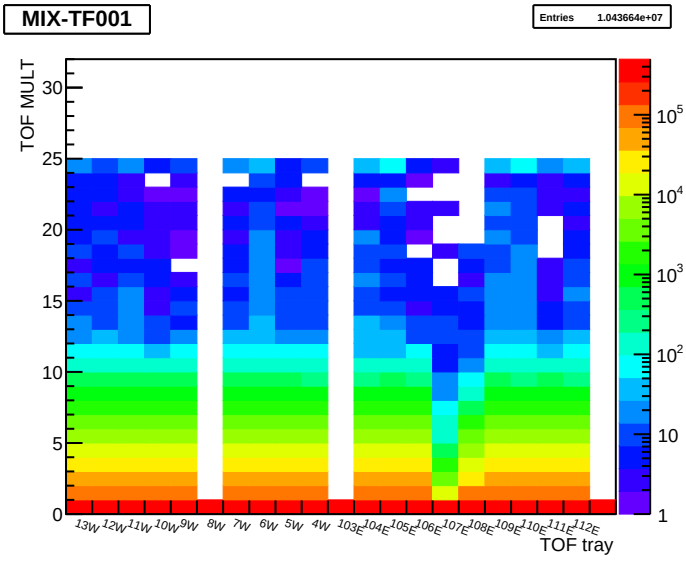

BunchId7Bit (ZDC-TAC)
Entries 925
10
1
0 20 40 60 80 100 120

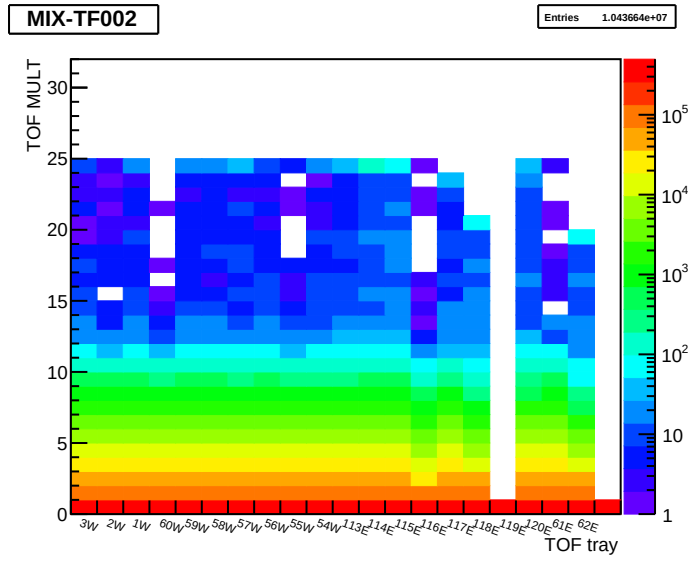

BunchId7Bit (EPD-TAC)
Entries 398468
10^3
0 20 40 60 80 100 120

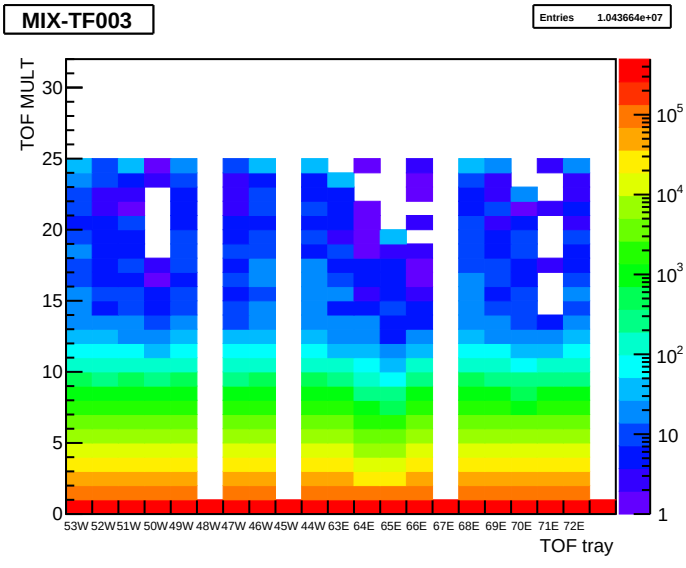

BunchId7Bit (BBC-TAC)
Entries 184588
10^3
10^2
0 20 40 60 80 100 120

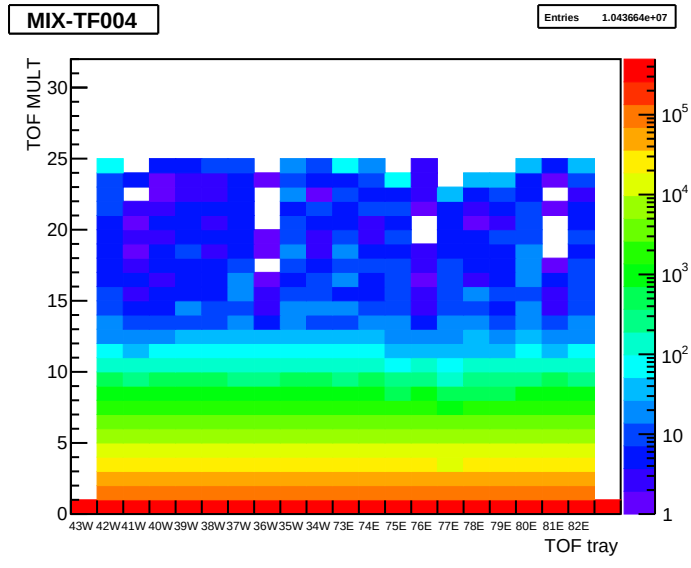

BunchId7Bit (Laser)
Entries 3378
0 20 40 60 80 100 120

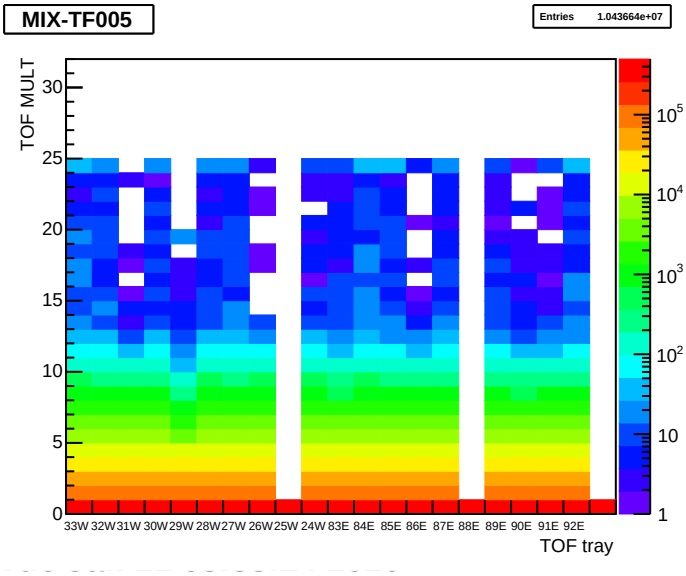

BunchId7Bit (TOFmult window)
Entries 15670
10^2
10
0 20 40 60 80 100 120

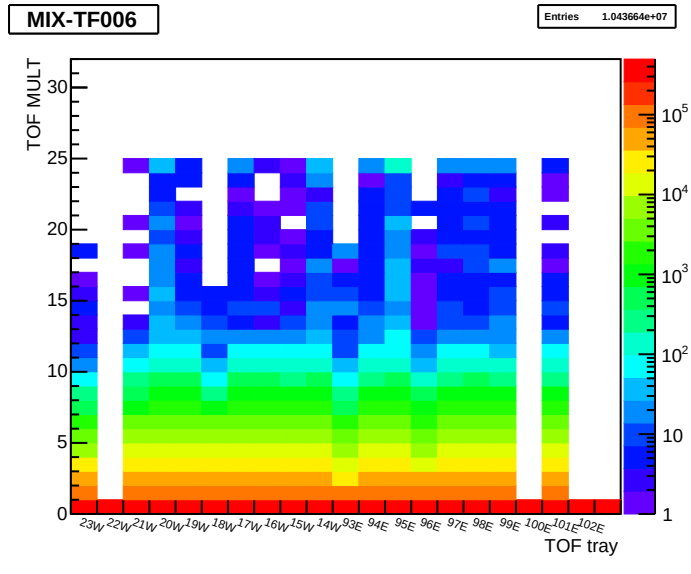

MIX-TF001
Entries 1.043664e+07
TOF MULT
TOF tray

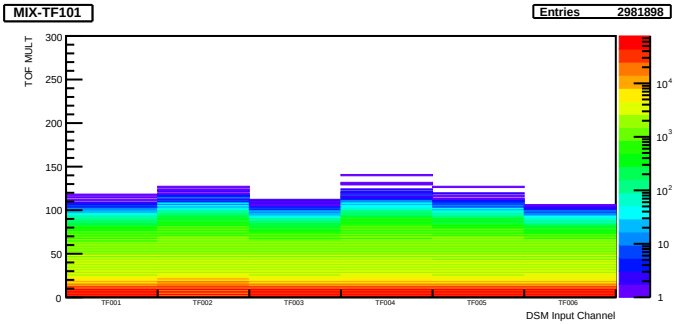

MIX-TF002
Entries 1.043664e+07
TOF MULT
TOF tray

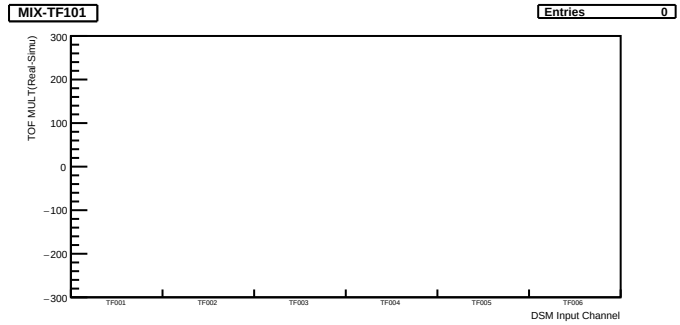

MIX-TF003
Entries 1.043664e+07
TOF MULT
TOF tray

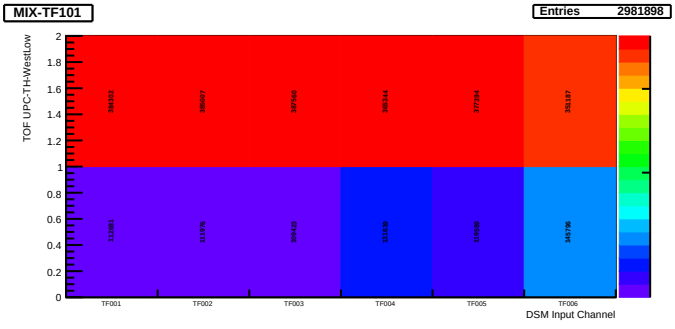

MIX-TF004
Entries 1.043664e+07
TOF MULT
TOF tray

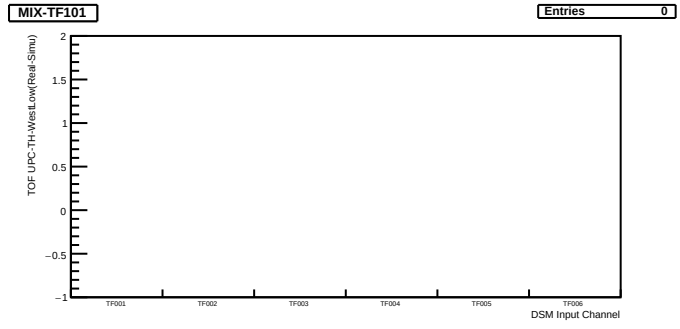

MIX-TF005
Entries 1.043664e+07
TOF MULT
TOF tray

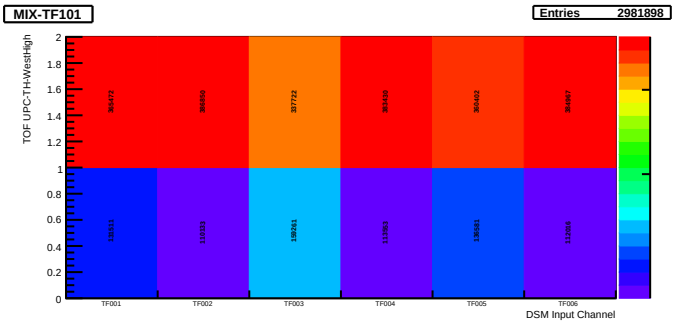

MIX-TF006
Entries 1.043664e+07
TOF MULT
TOF tray

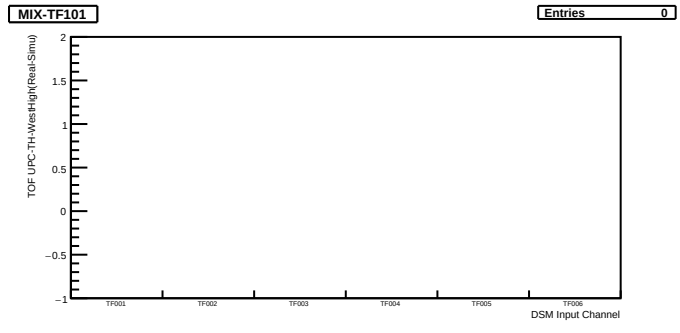

MIX-TF101
Entries 2981898
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

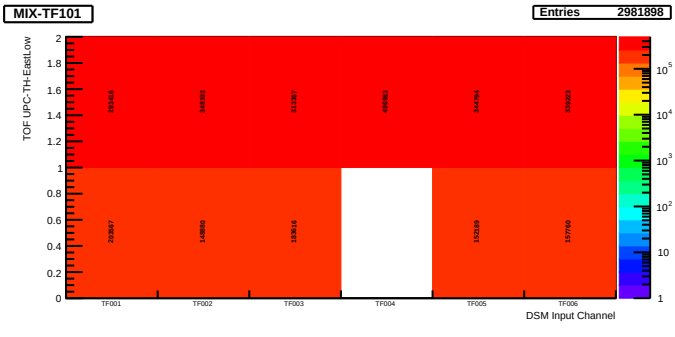

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

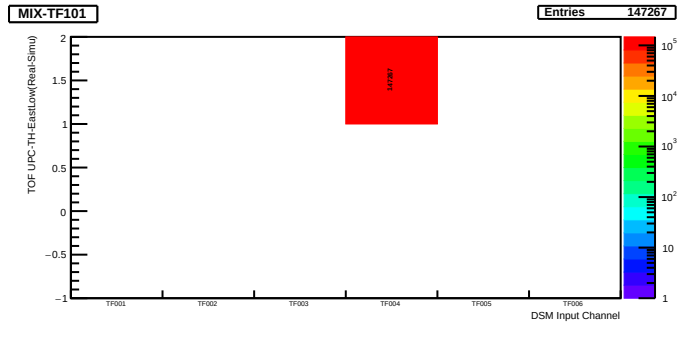

MIX-TF101
Entries 2981898
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

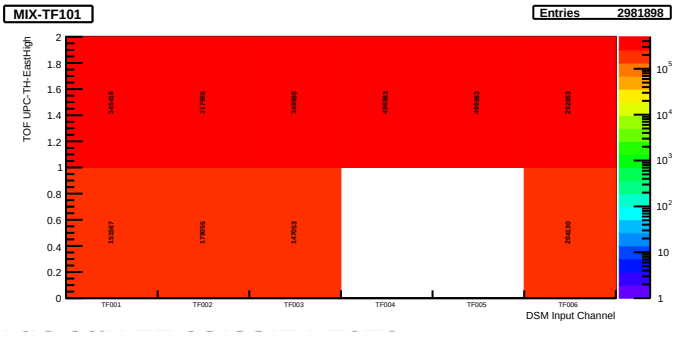

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

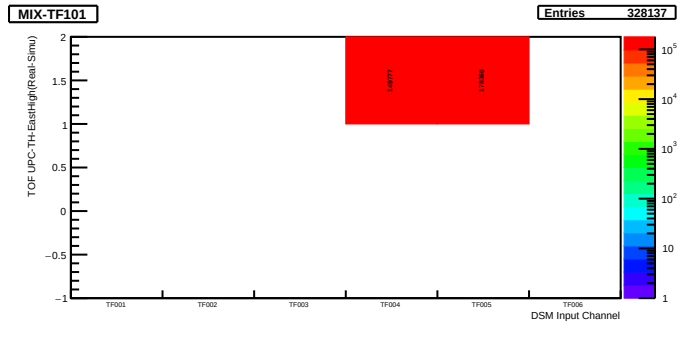

MIX-TF101
Entries 2981898
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

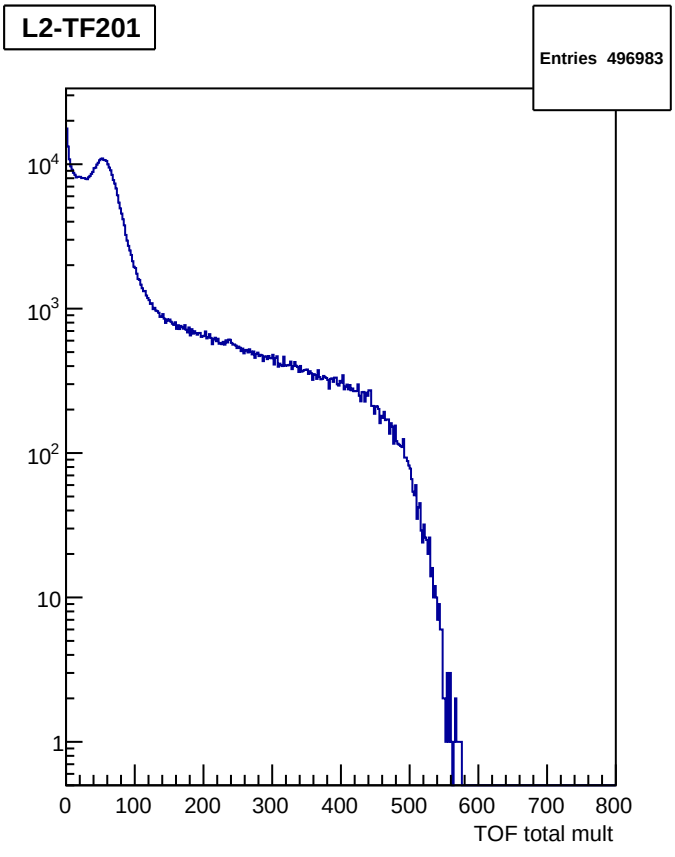

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

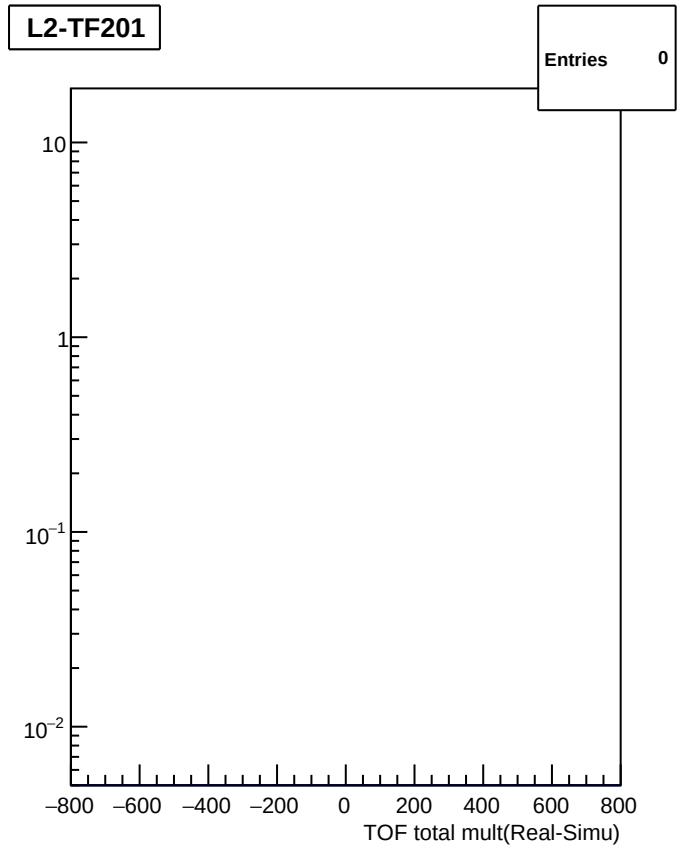

MIX-TF101
Entries 2981898
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

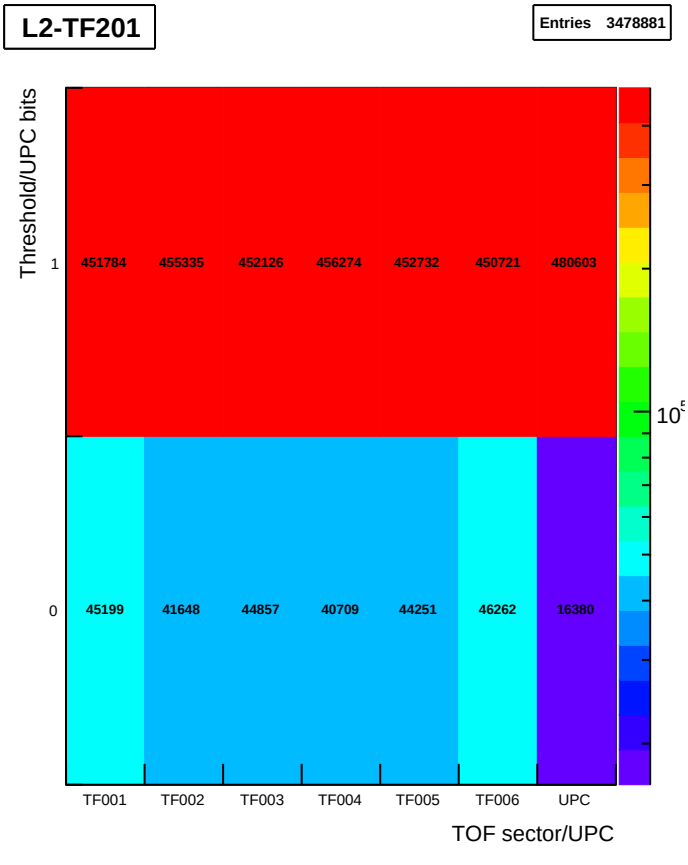

MIX-TF101
Entries 147267
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

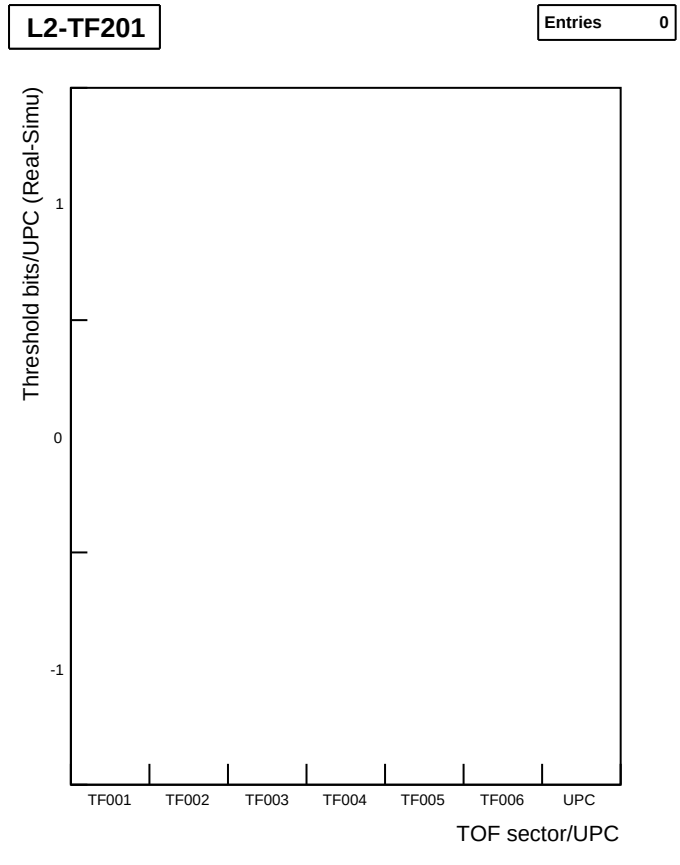

MIX-TF101
Entries 2981898
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

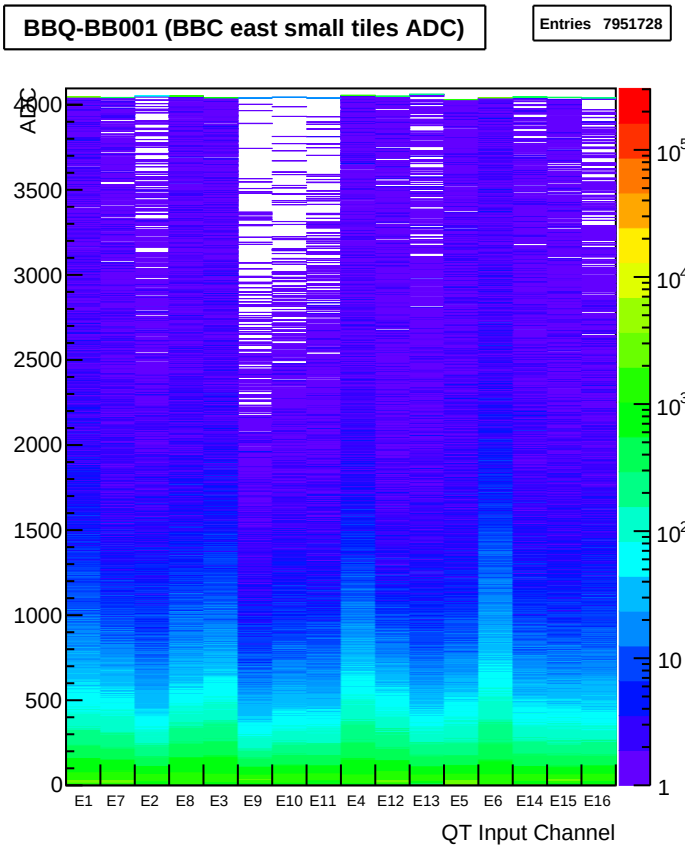

MIX-TF101
Entries 328137
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

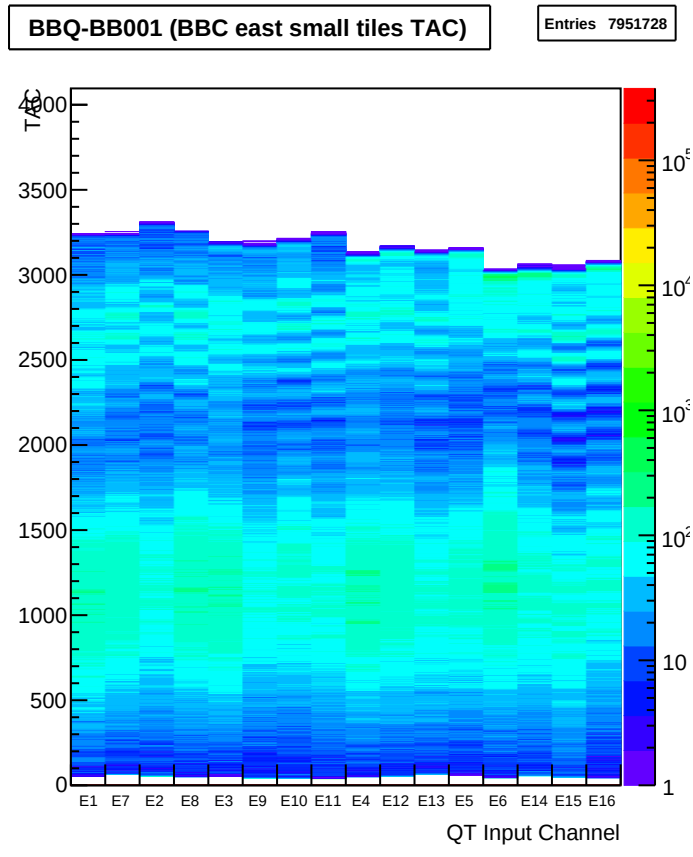

L2-TF201
Entries 496983
TOF total mult

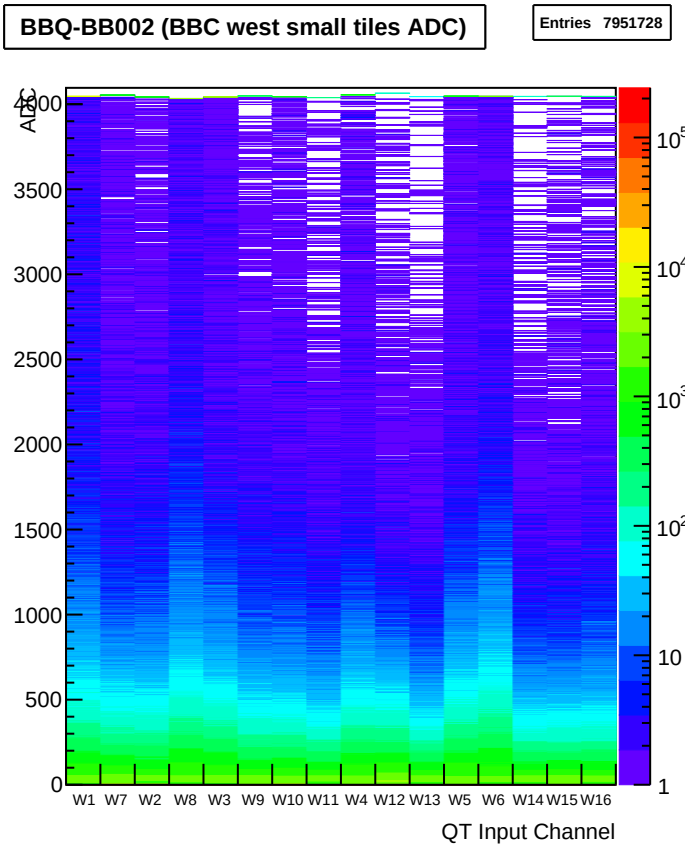

L2-TF201
Entries 0
TOF total mult(Real-Simu)

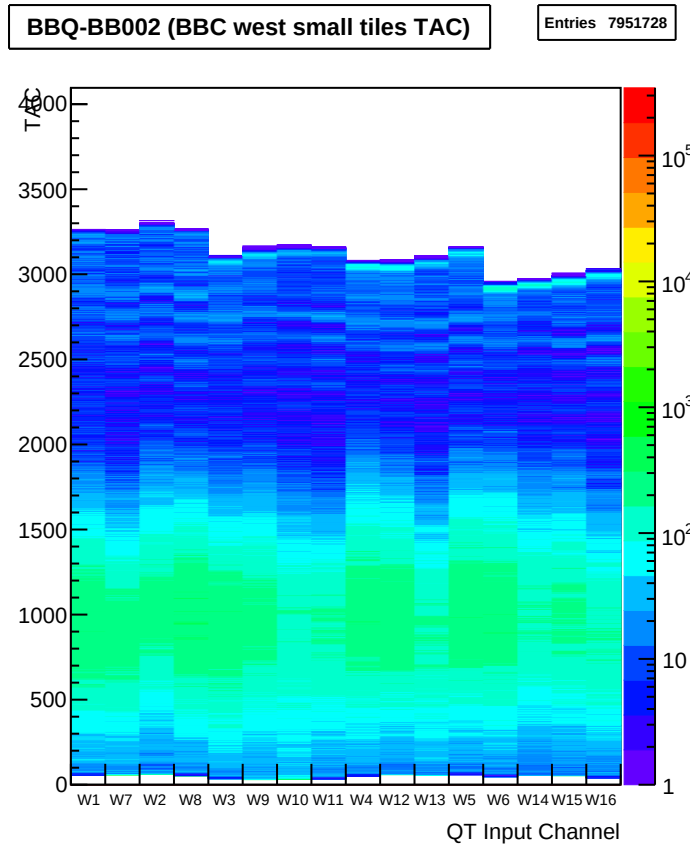

L2-TF201
Entries 3478881
Threshold/UPC bits
451784
455335
452126
456274
452732
450721
480603
45199
41648
44857
40709
44251
46262
16380
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

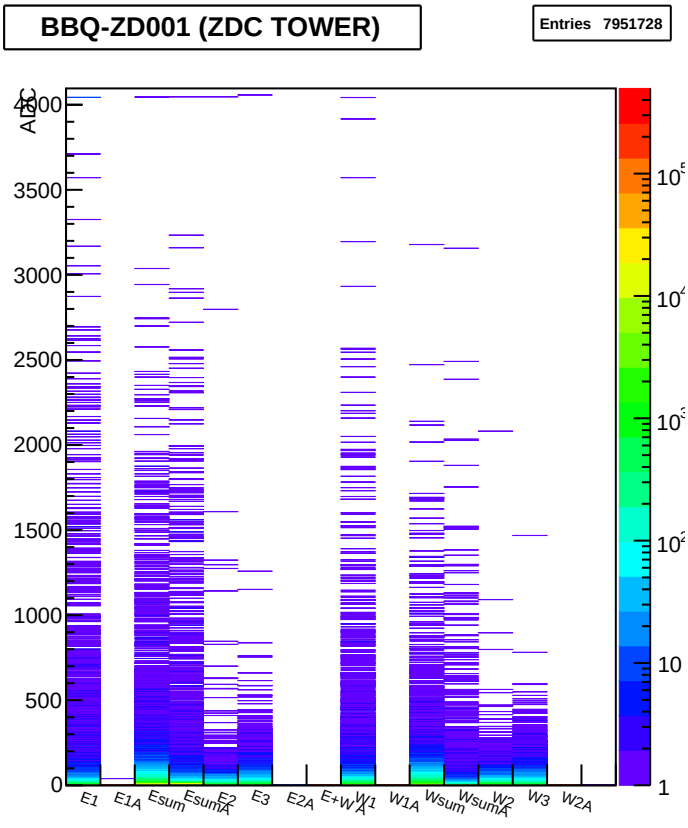

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

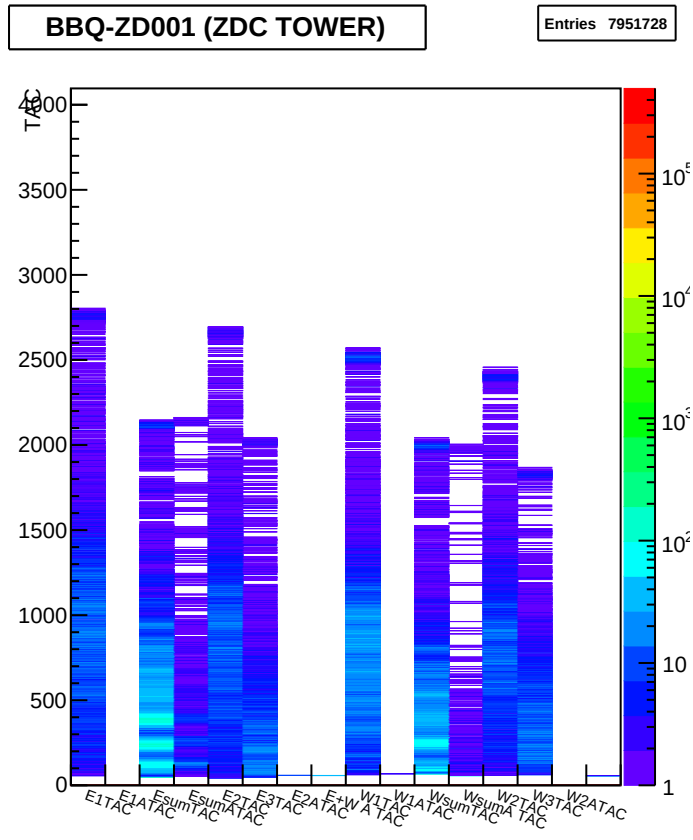

BBQ-BB001 (BBC east small tiles ADC)
Entries 7951728
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

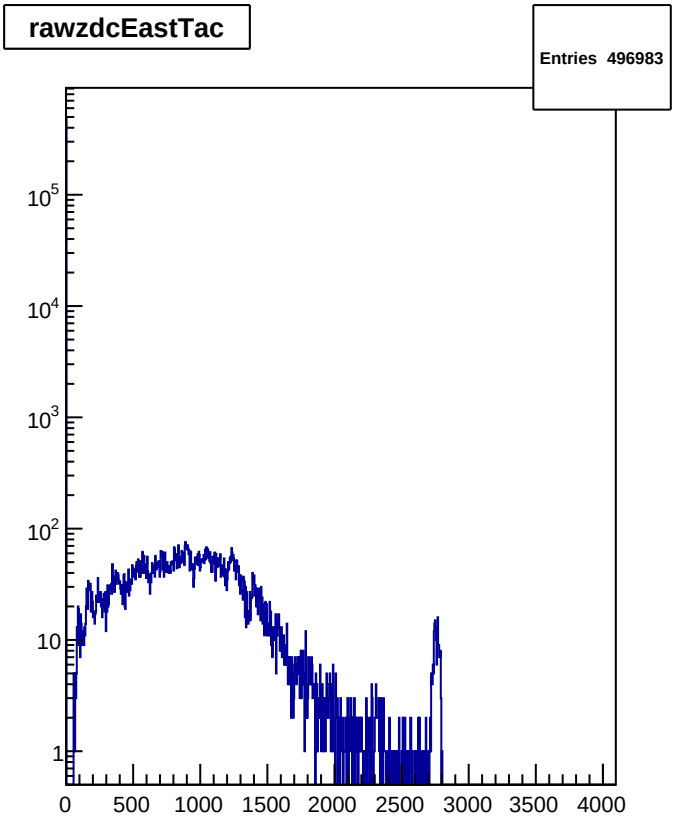

BBQ-BB001 (BBC east small tiles TAC)
Entries 7951728
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

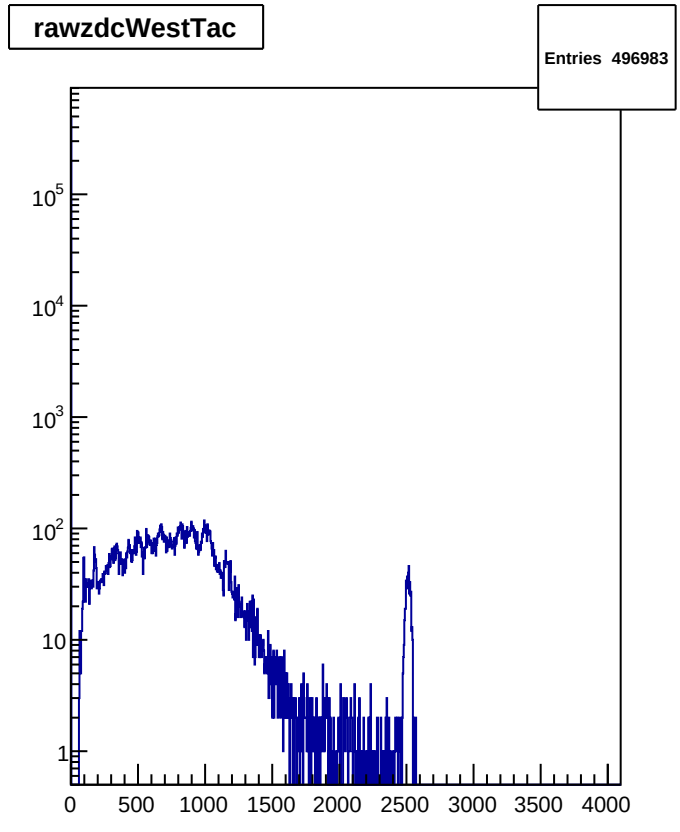

BBQ-BB002 (BBC west small tiles ADC)
Entries 7951728
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

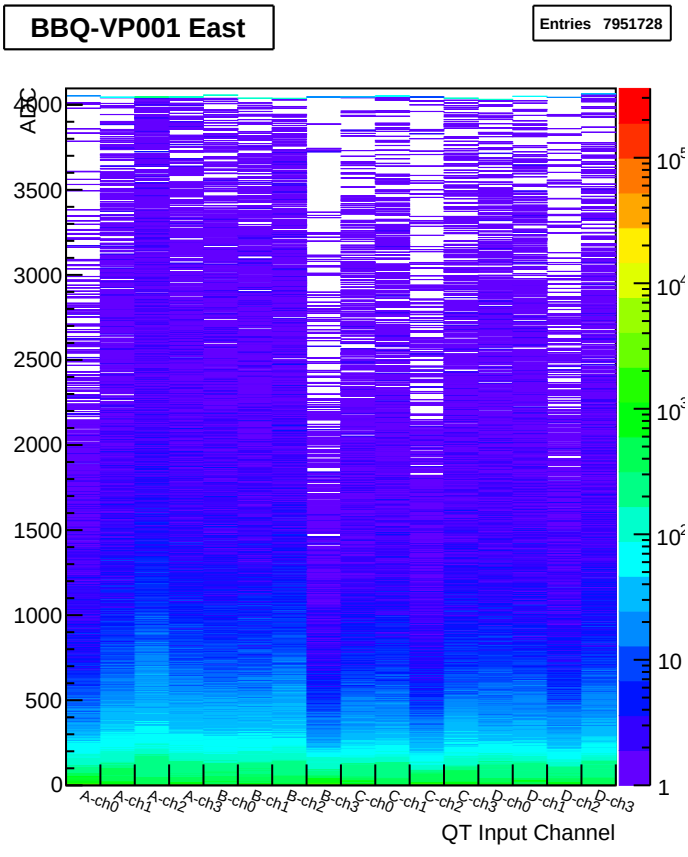

BBQ-BB002 (BBC west small tiles TAC)
Entries 7951728
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

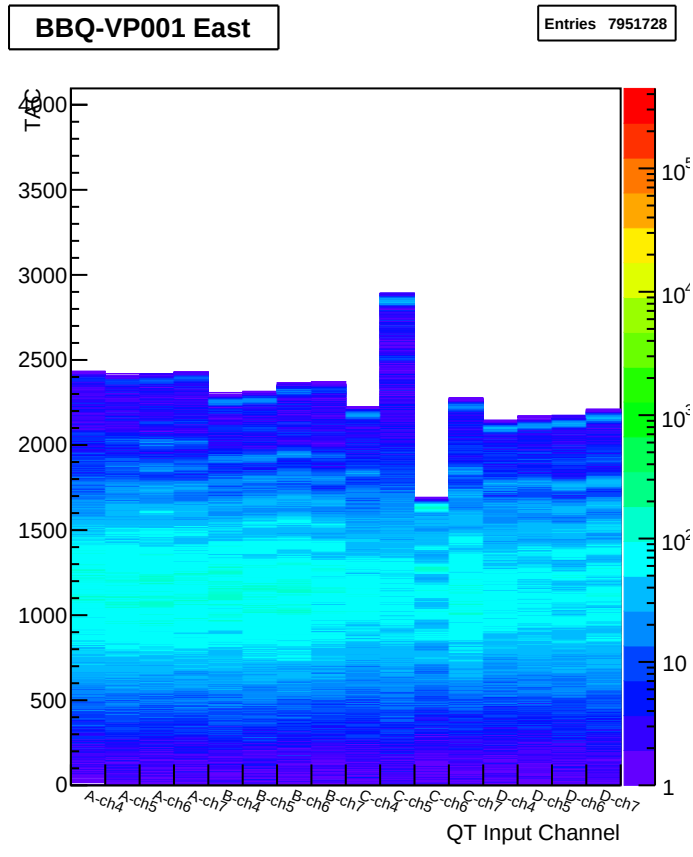

BBQ-ZD001 (ZDC TOWER)
Entries 7951728
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

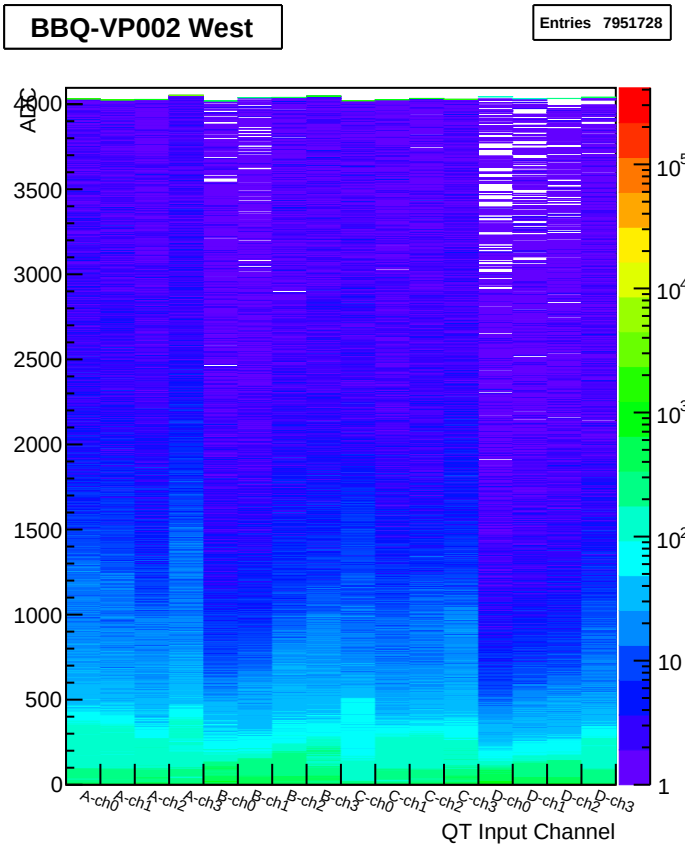

BBQ-ZD001 (ZDC TOWER)
Entries 7951728
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

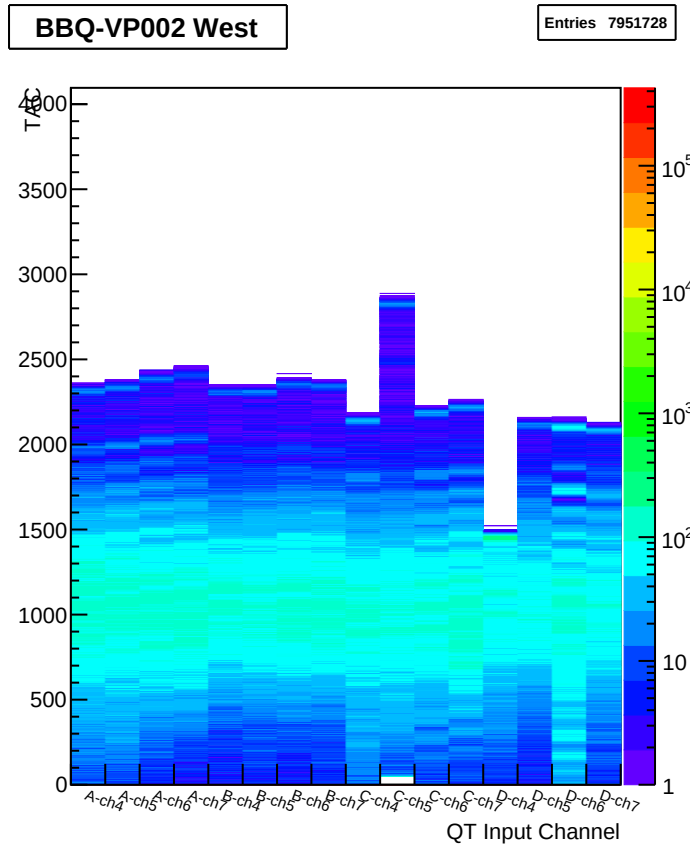

rawzdcEastTac
Entries 496983

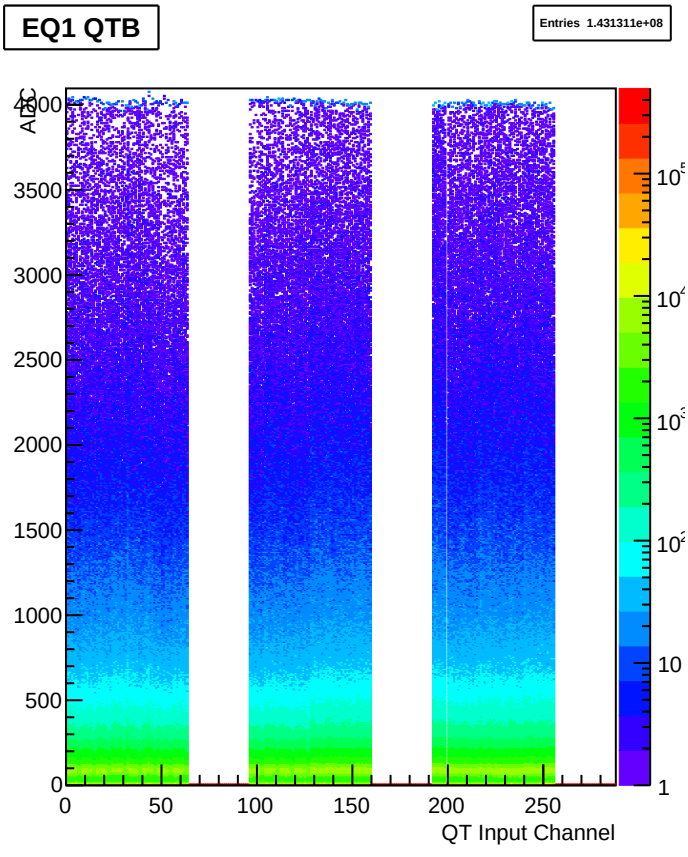

rawzdcWestTac
Entries 496983

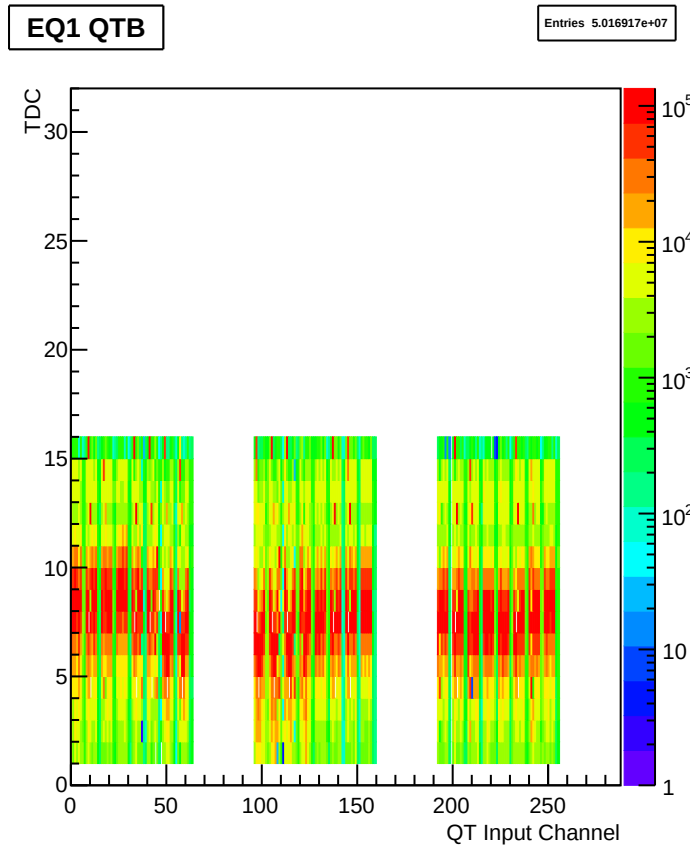

BBQ-VP001 East
Entries 7951728
ADC
QT Input Channel

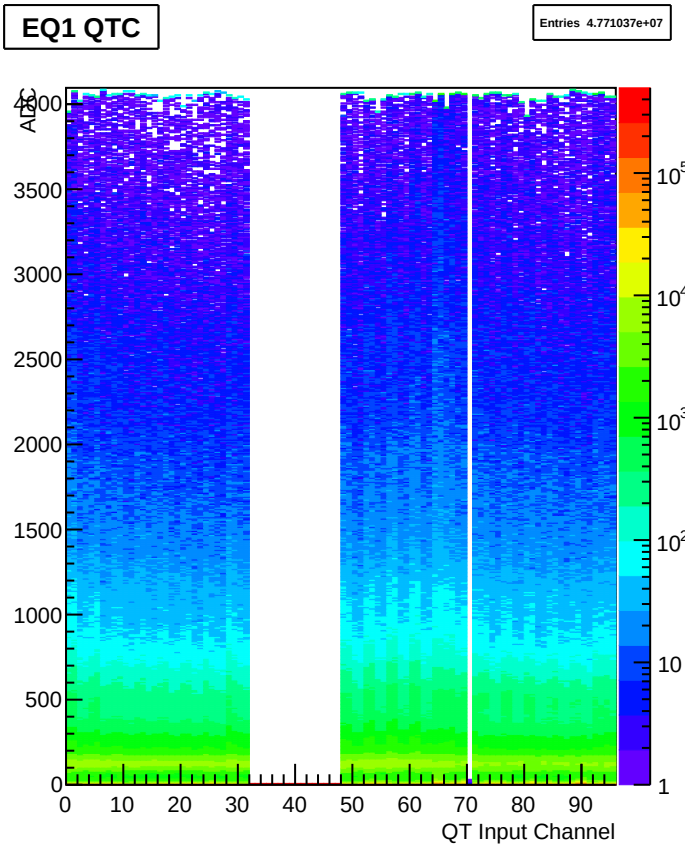

BBQ-VP001 East
Entries 7951728
ADC
QT Input Channel

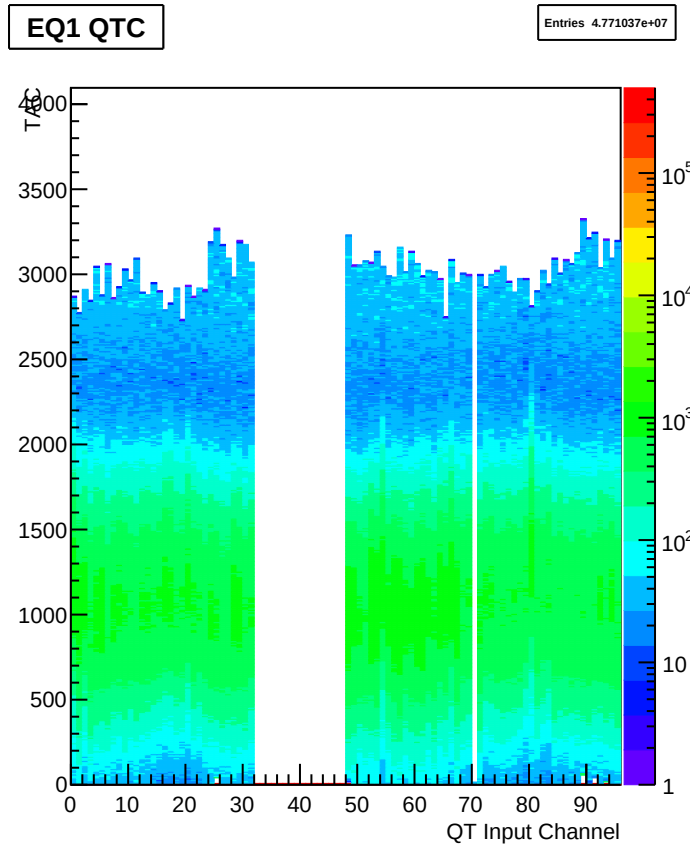

BBQ-VP002 West
Entries 7951728
ADC
QT Input Channel

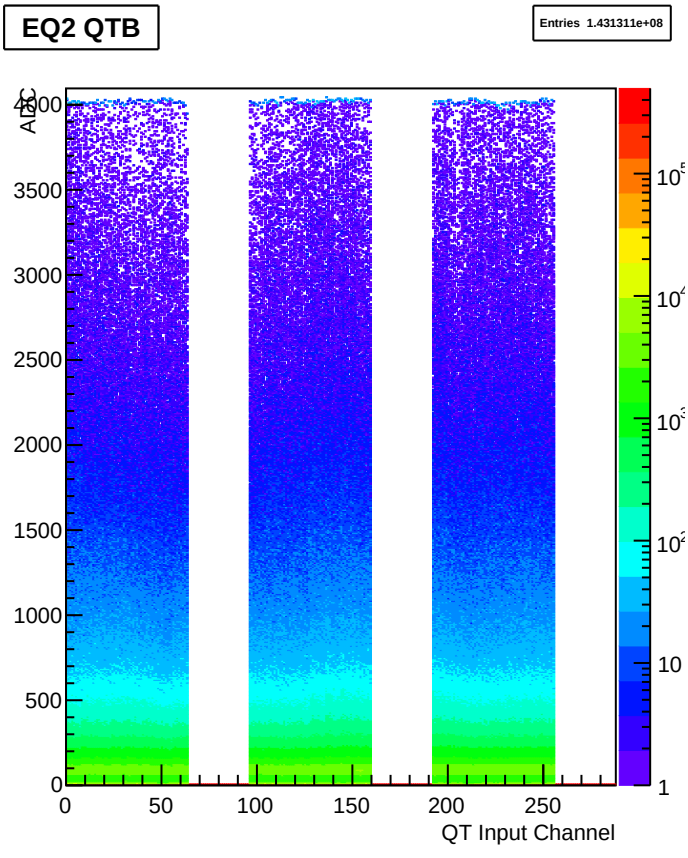

BBQ-VP002 West
Entries 7951728
ADC
QT Input Channel

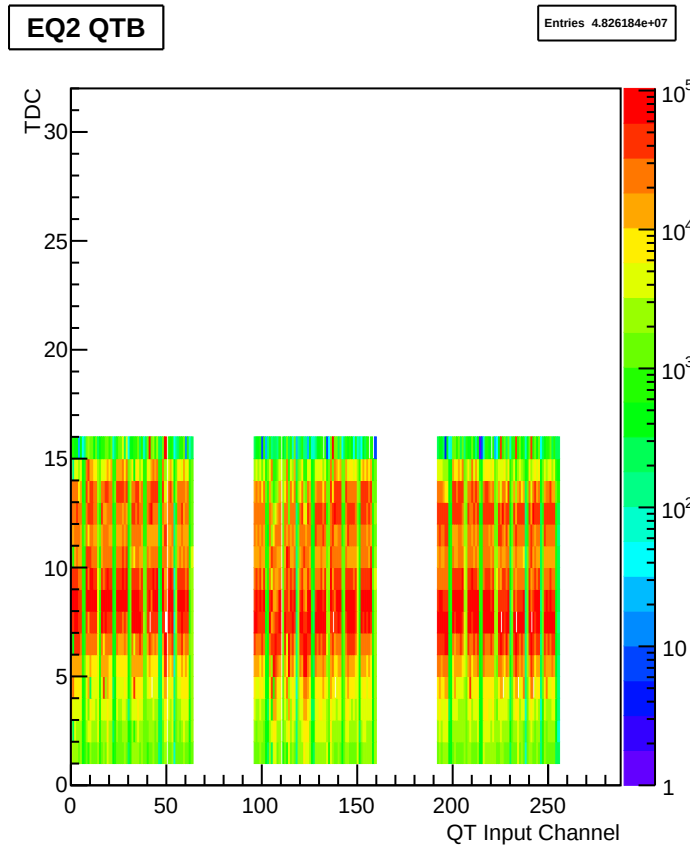

EQ1 QTB
Entries 1.431311e+08
ADC
QT Input Channel

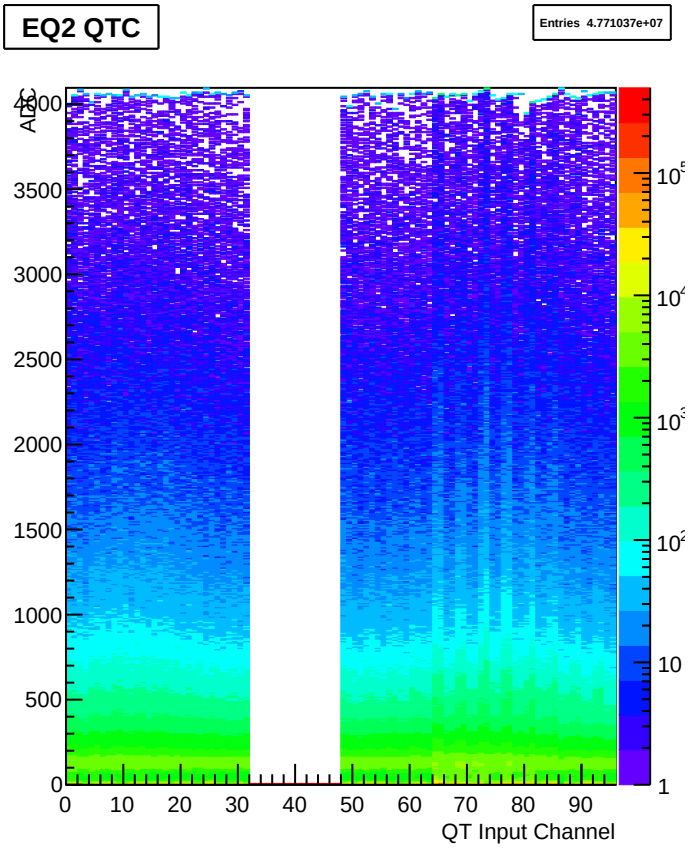

EQ1 QTB
Entries 5.016917e+07
TDC
QT Input Channel

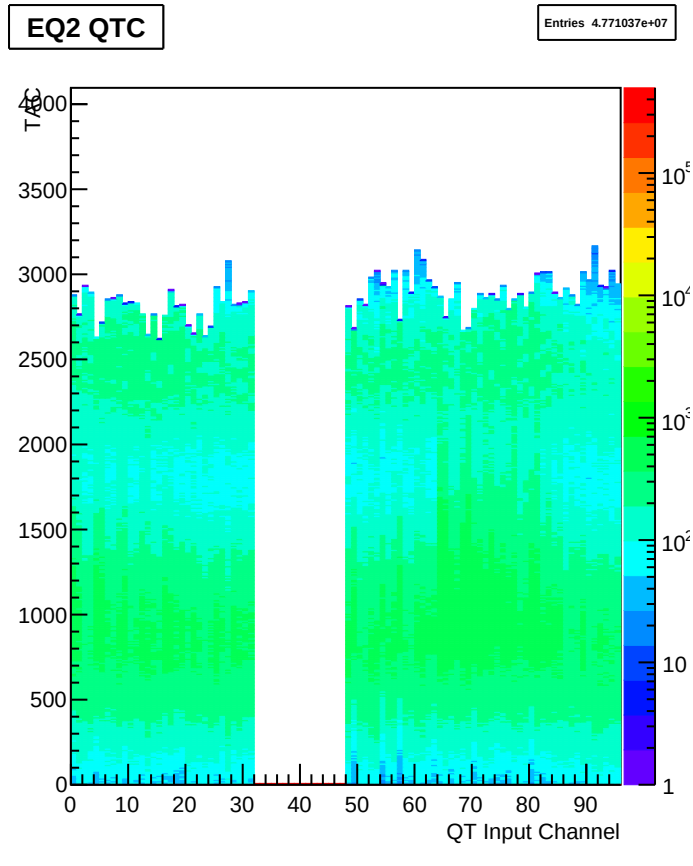

EQ1 QTC
Entries 4.771037e+07
ADC
QT Input Channel

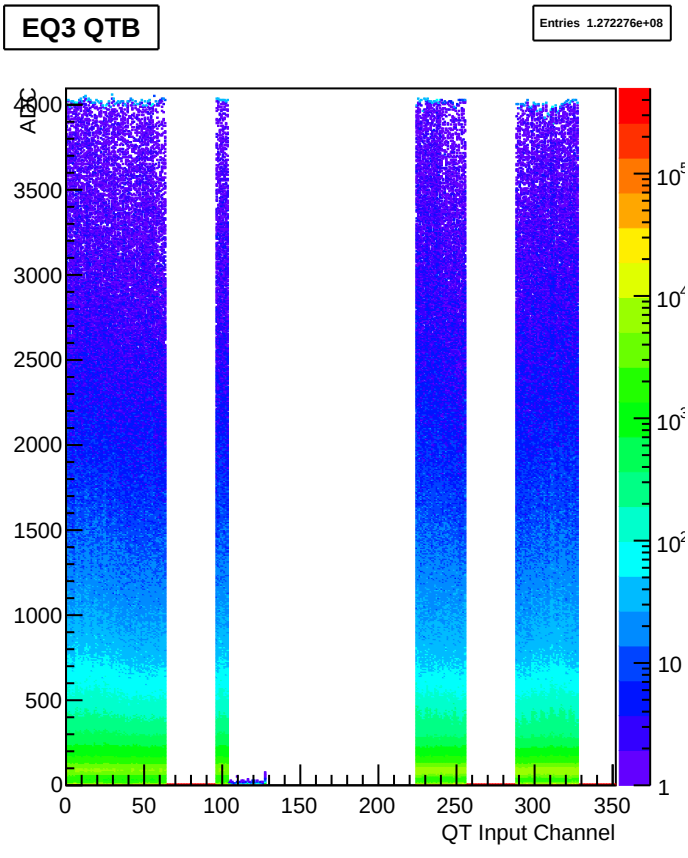

EQ1 QTC
Entries 4.771037e+07
TADC
QT Input Channel

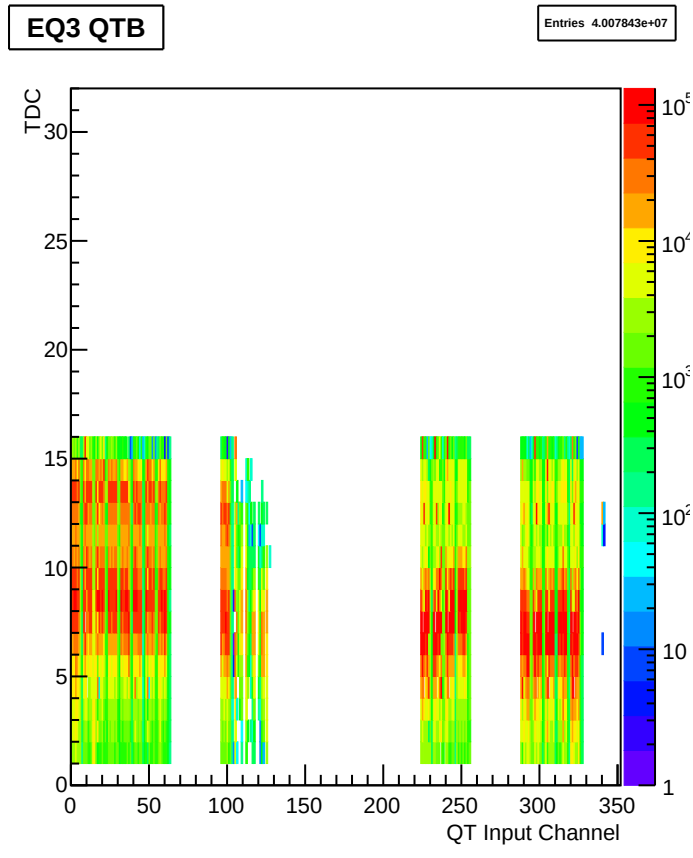

EQ2 QTB
Entries 1.431311e+08
ADC
QT Input Channel

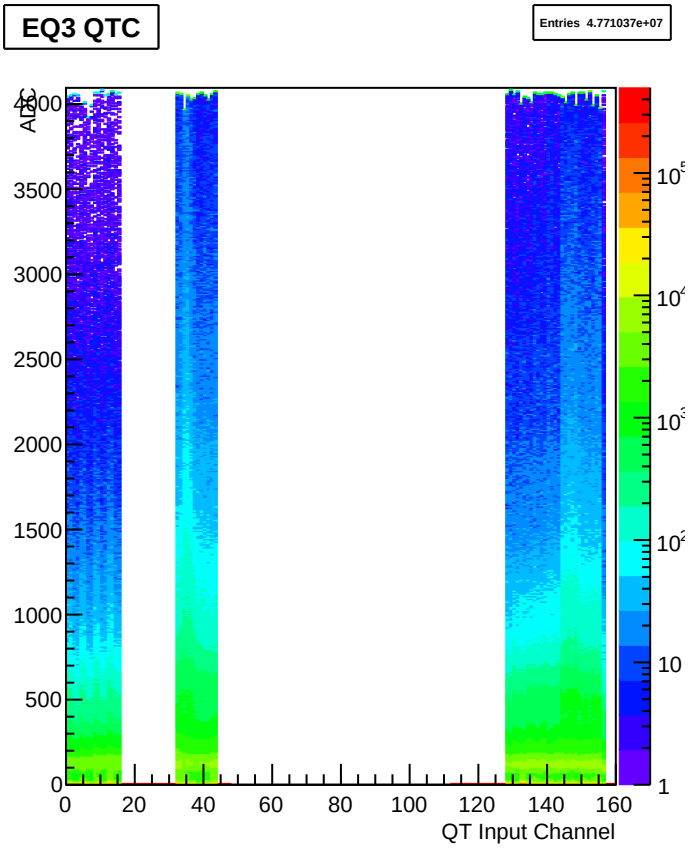

EQ2 QTB
Entries 4.826184e+07
TDC
QT Input Channel

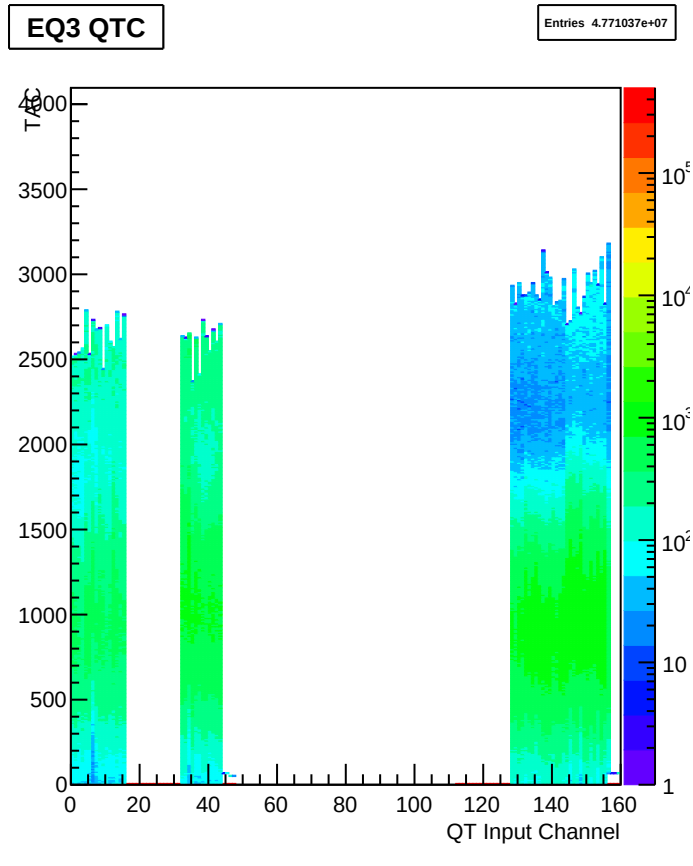

EQ2 QTC
Entries 4.771037e+07
ADC
QT Input Channel

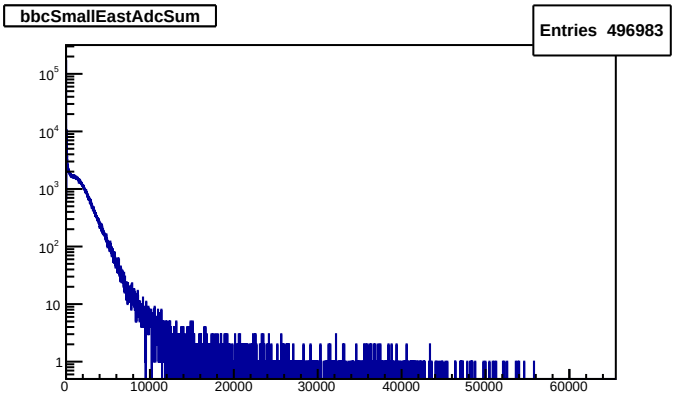

EQ2 QTC
Entries 4.771037e+07
TADC
QT Input Channel

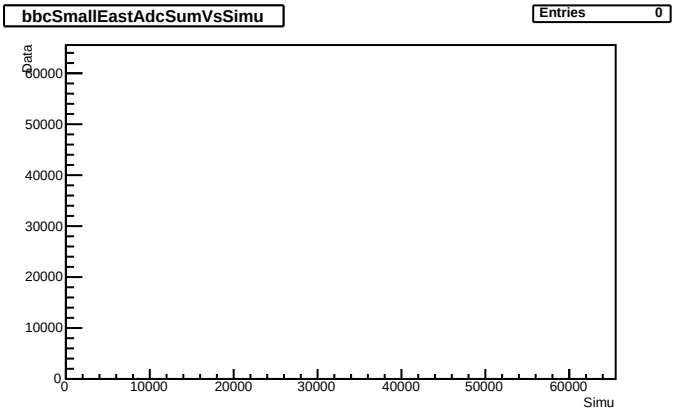

EQ3 QTB
Entries 1.272276e+08
ADC
QT Input Channel

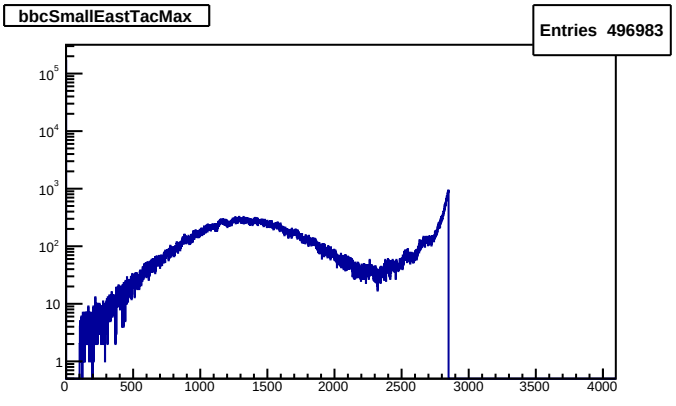

EQ3 QTB
Entries 4.007843e+07
TDC
QT Input Channel

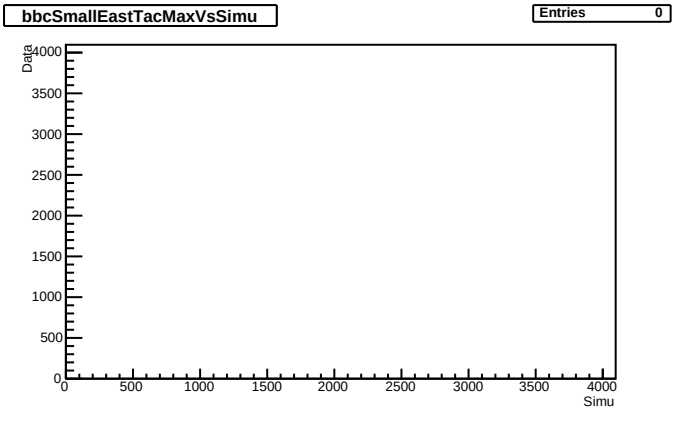

EQ3 QTC
Entries 4.771037e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.771037e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 496983


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 496983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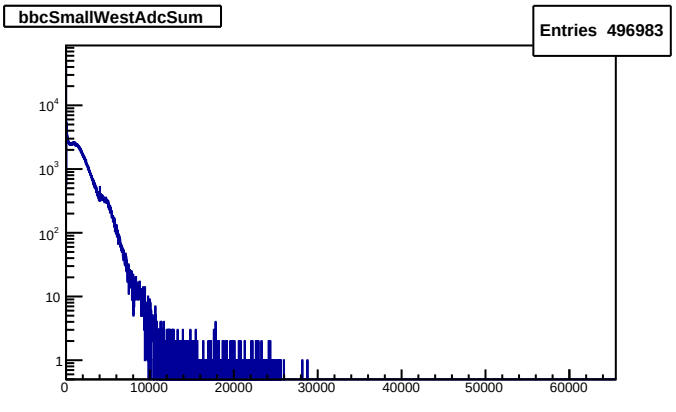
Entries 0
Data
Simu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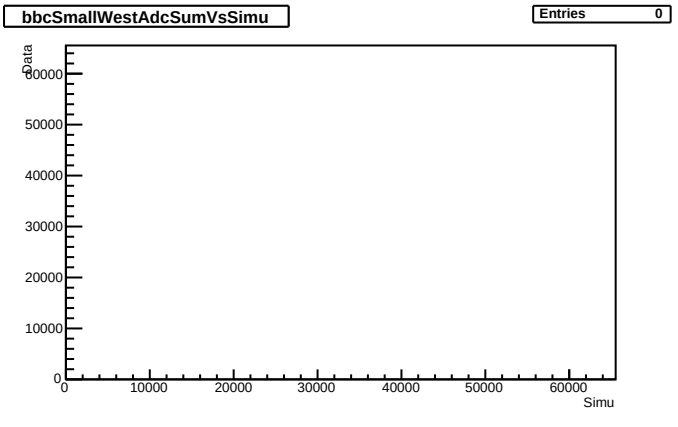
Entries 496983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Entries 0
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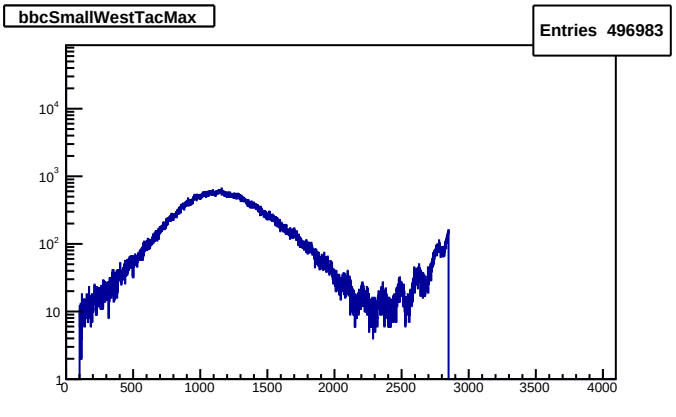
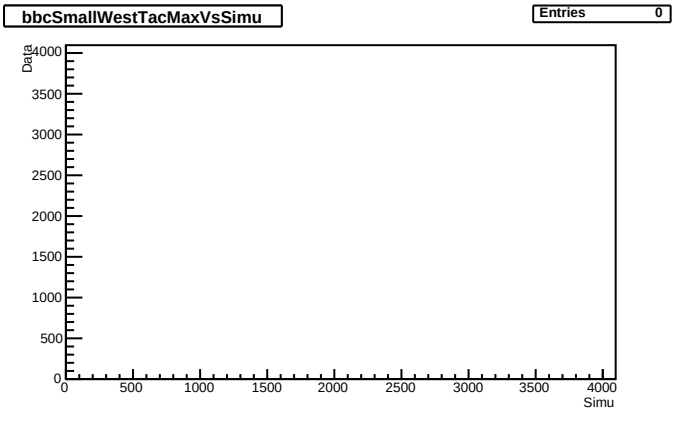
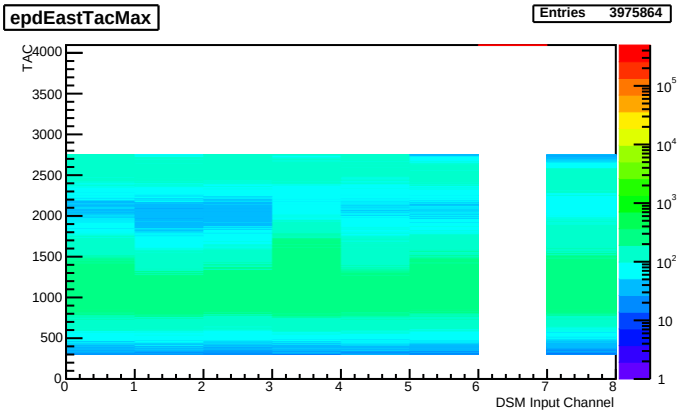
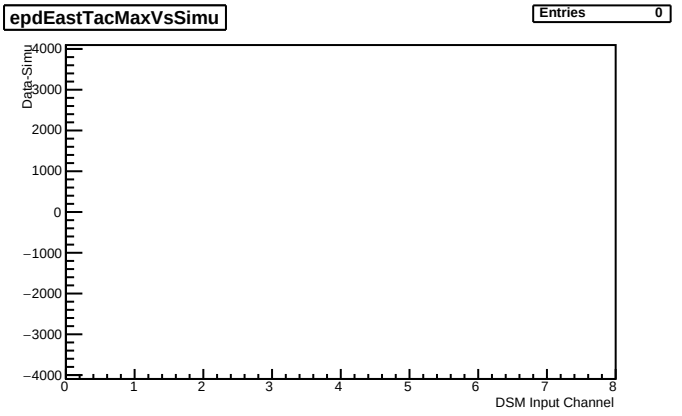
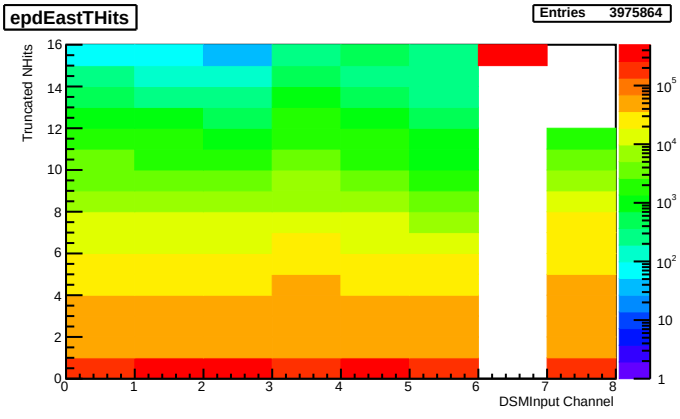
Simu

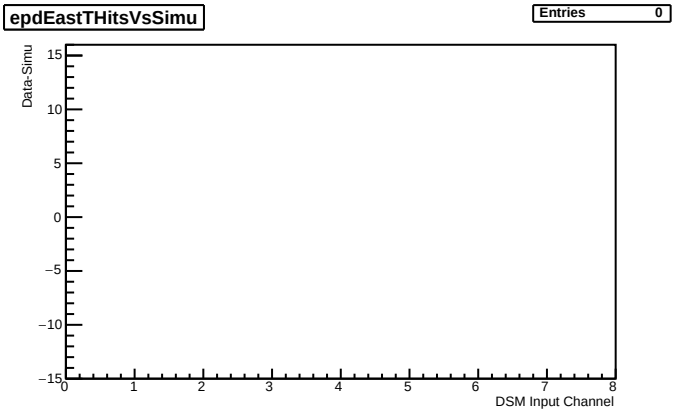

bbcSmallWestTacMax
Entries 496983


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3975864
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3975864
Truncated NHits
DSMInput Channel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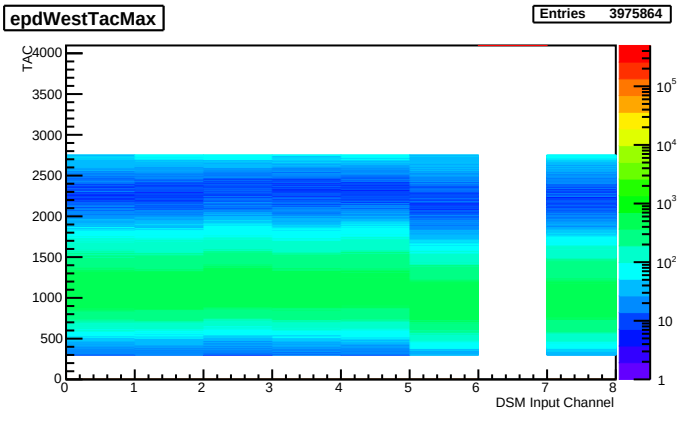
DSM Input Channel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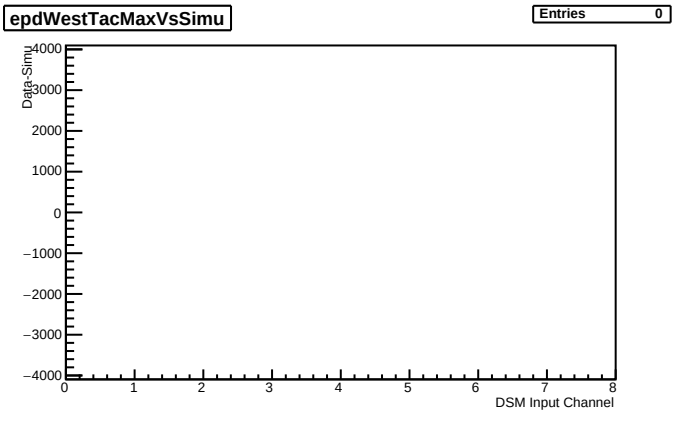
Entries 3975864
TAC
DSM Input Channel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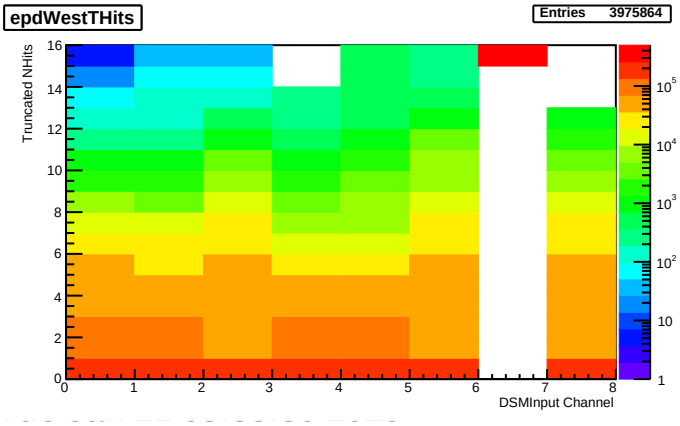
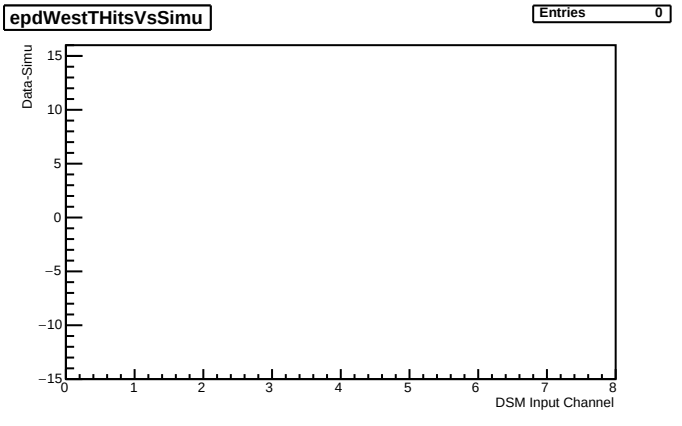
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3975864
Truncated NHits
DSMInput Channel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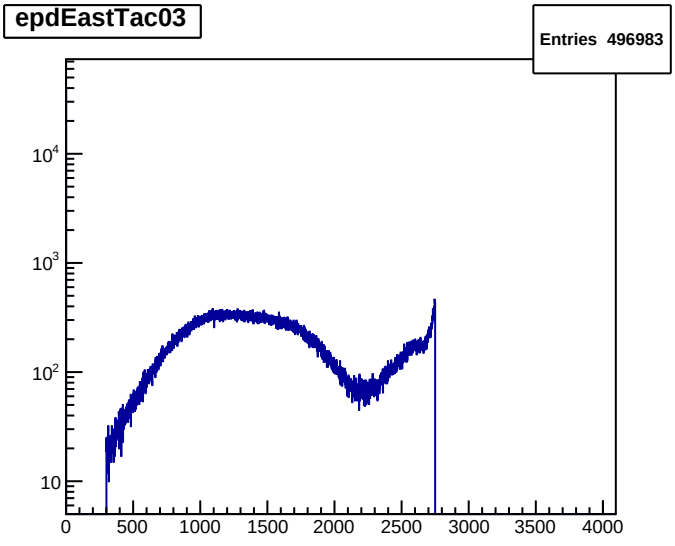
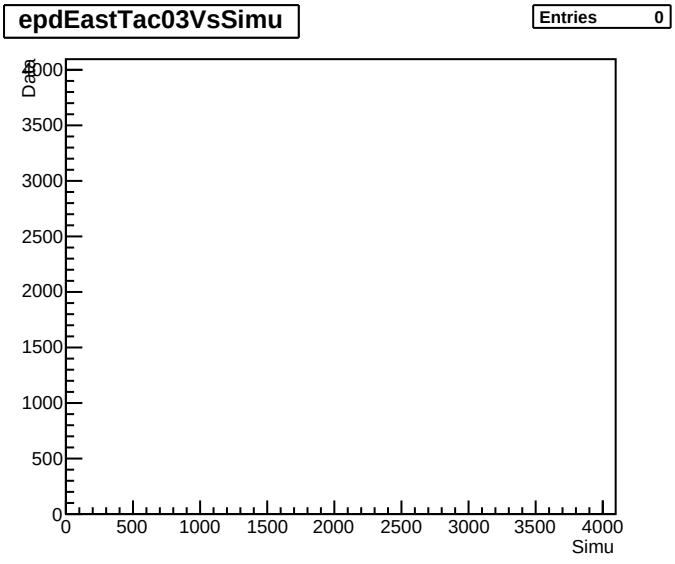
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 496983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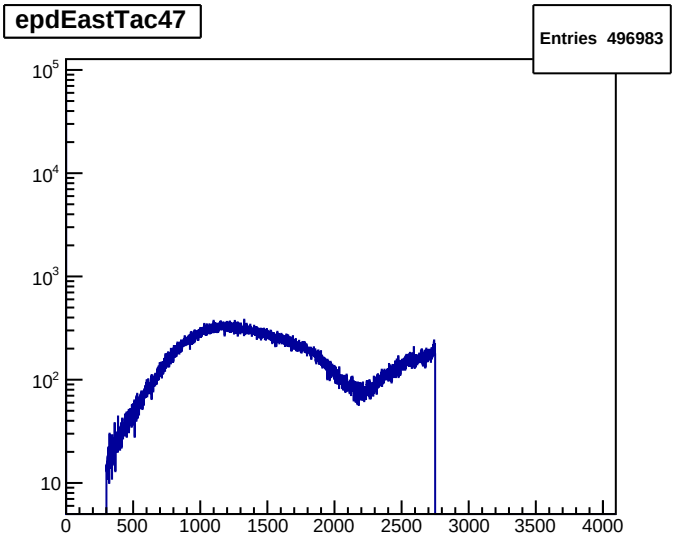
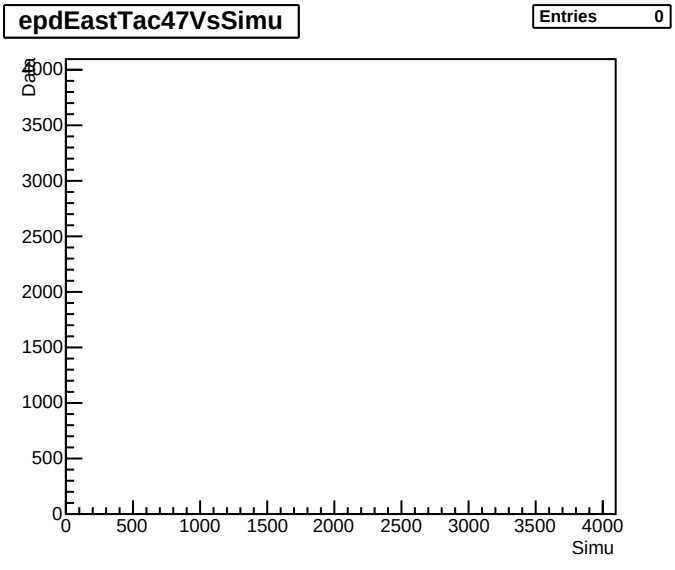
Entries 0
Data
Simu


epdEastTac47
Entries 496983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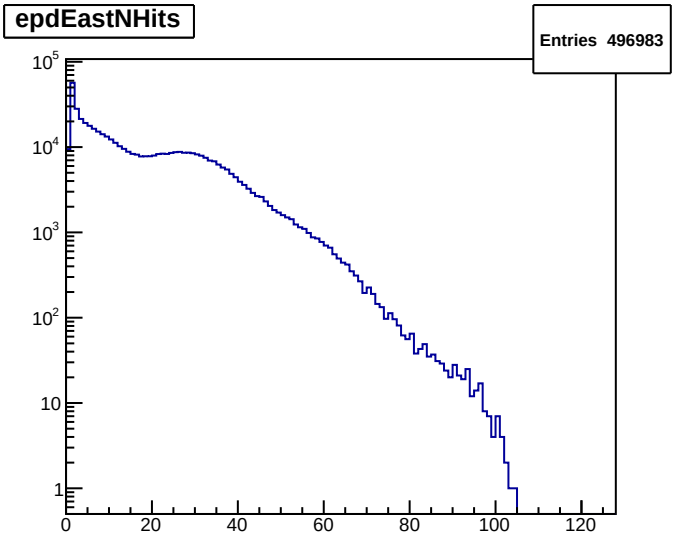
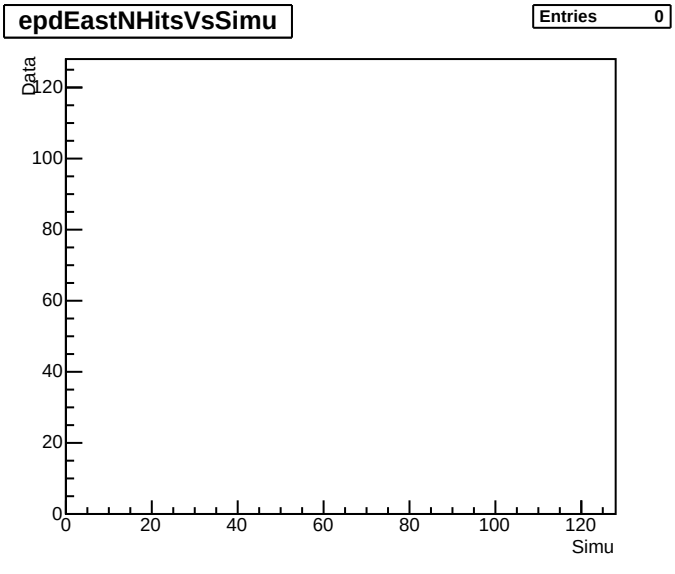
Entries 0
Data
Simu


epdEastNHits
Entries 496983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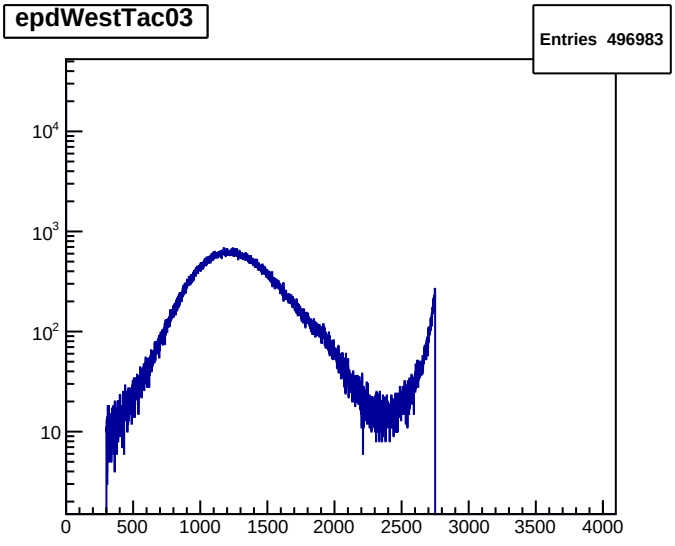
Entries 0
Data
Simu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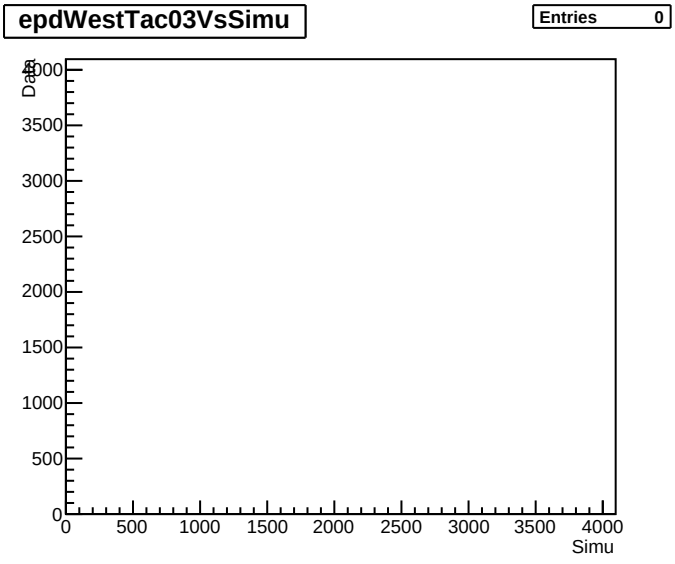
Entries 496983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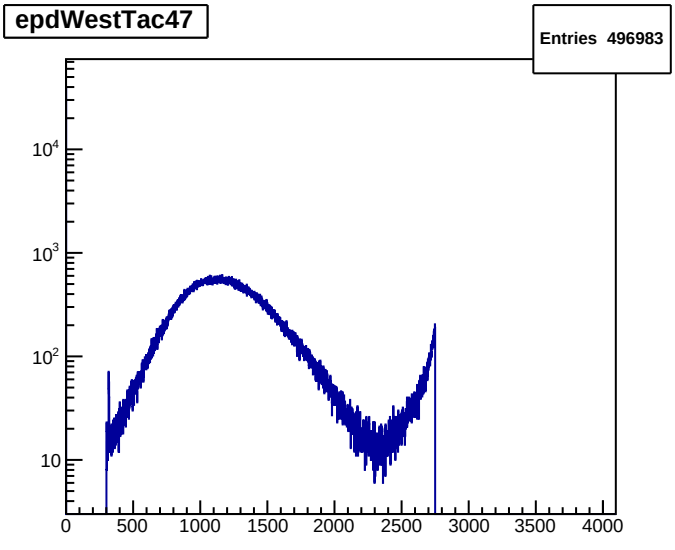
Entries 0
Data
Simu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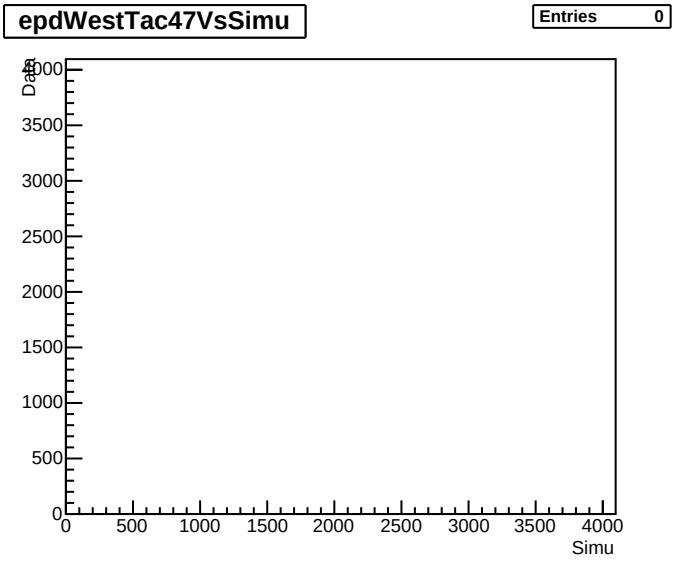
Entries 496983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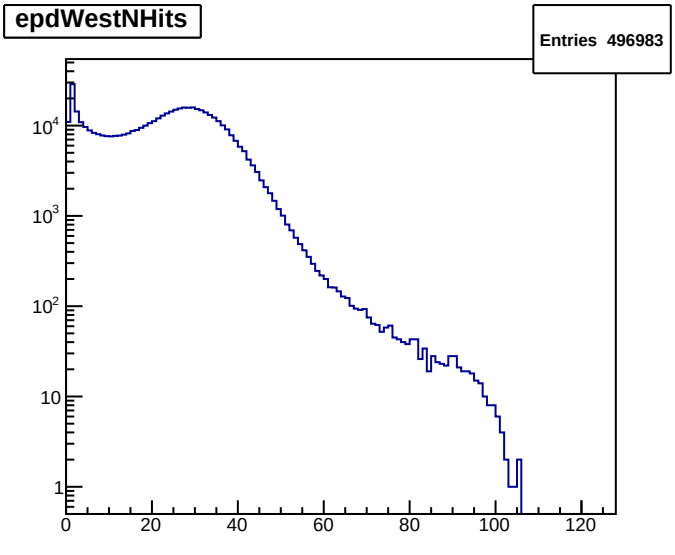
Entries 0
Data
Simu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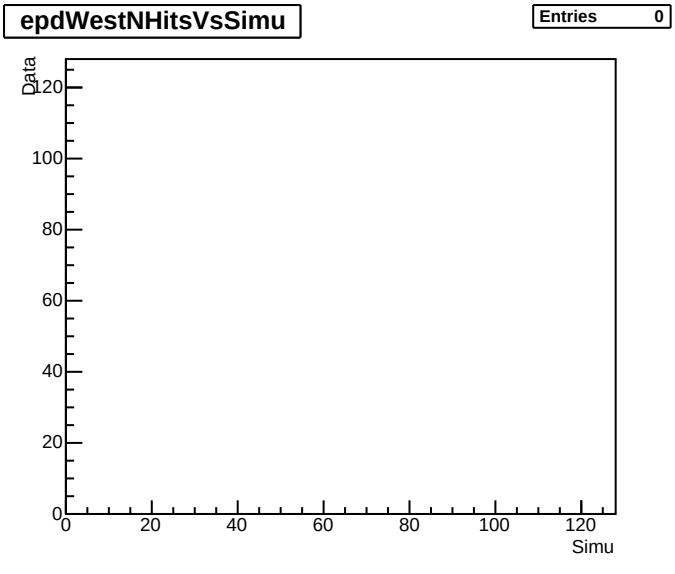
Entries 496983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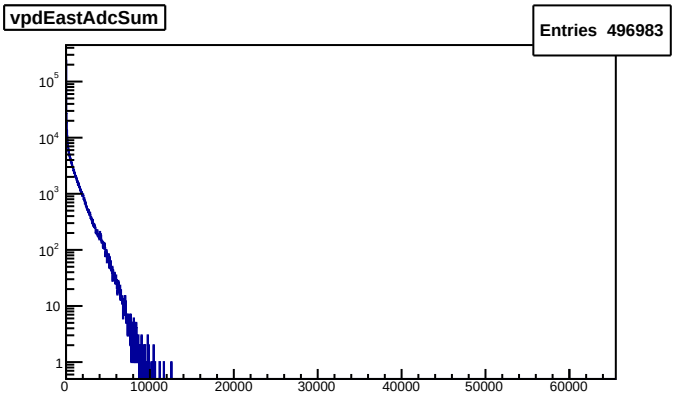
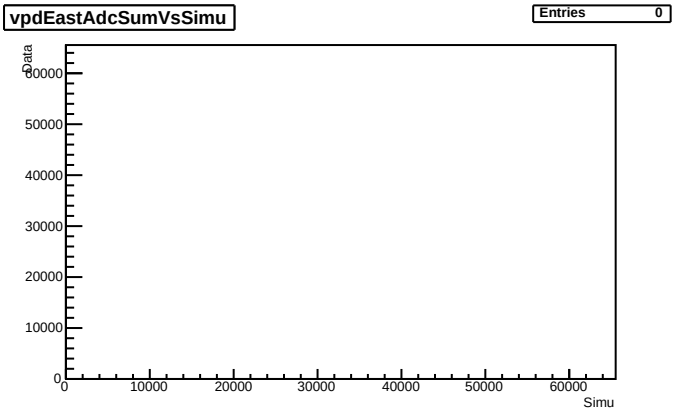
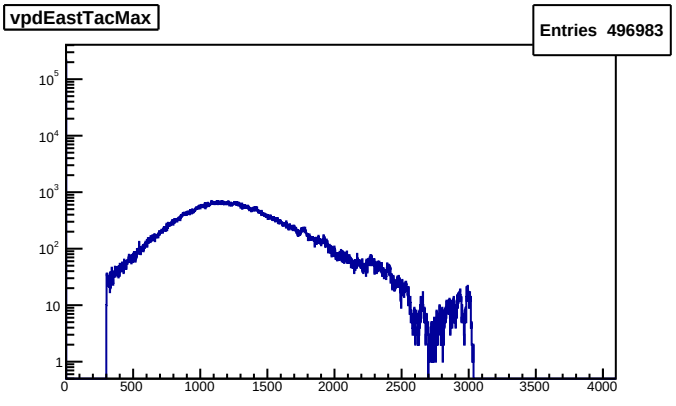
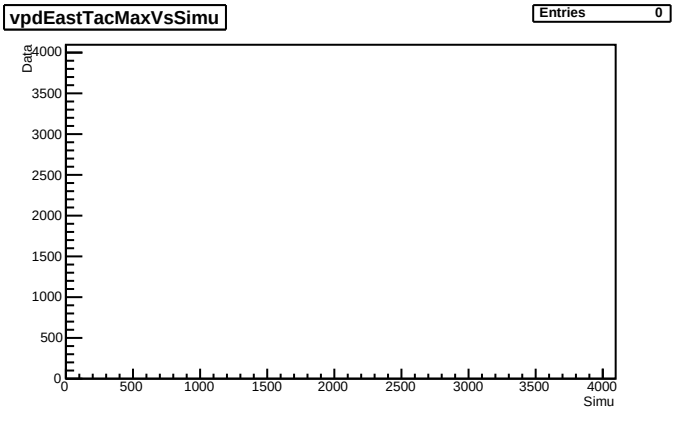
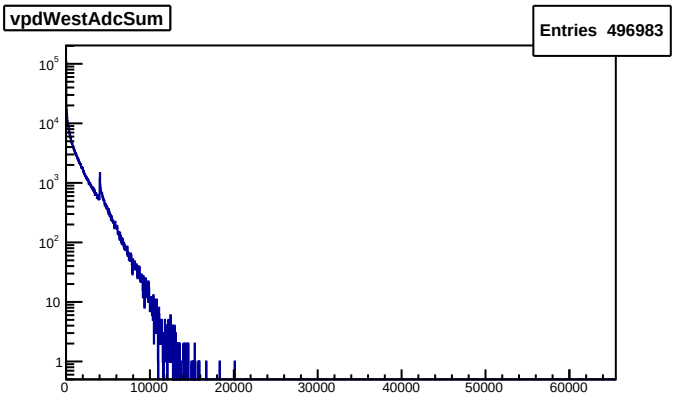
Entries 0
Data
Simu

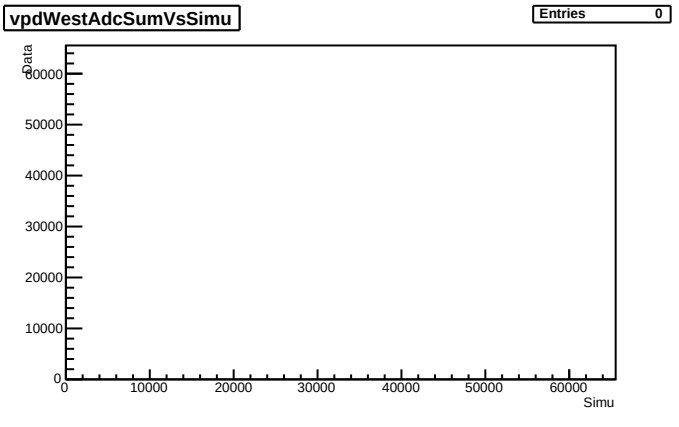

vpdEastAdcSum
Entries 496983


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 496983


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 496983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Entries 0
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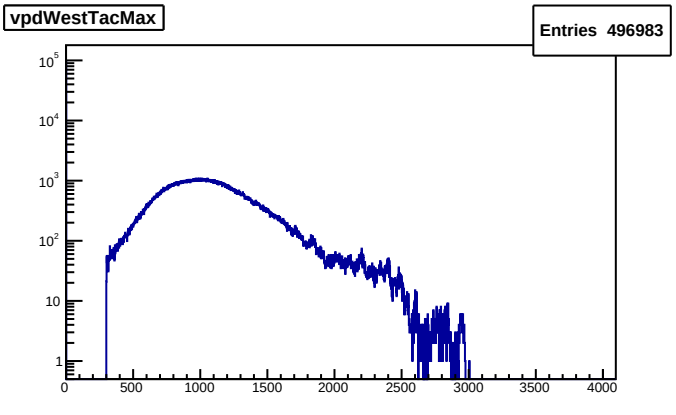
Simu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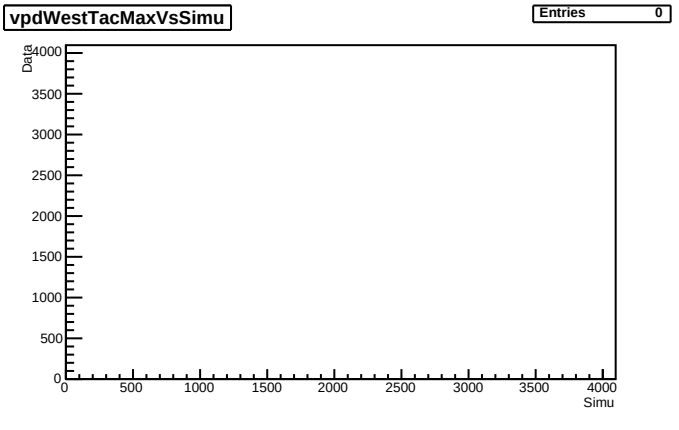
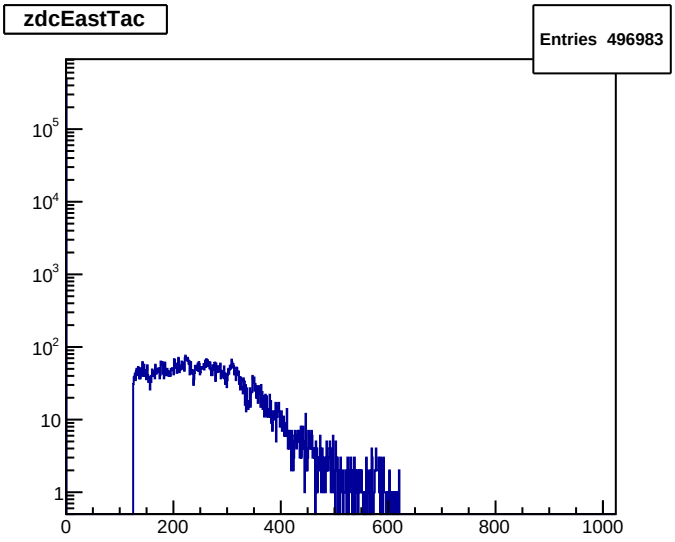
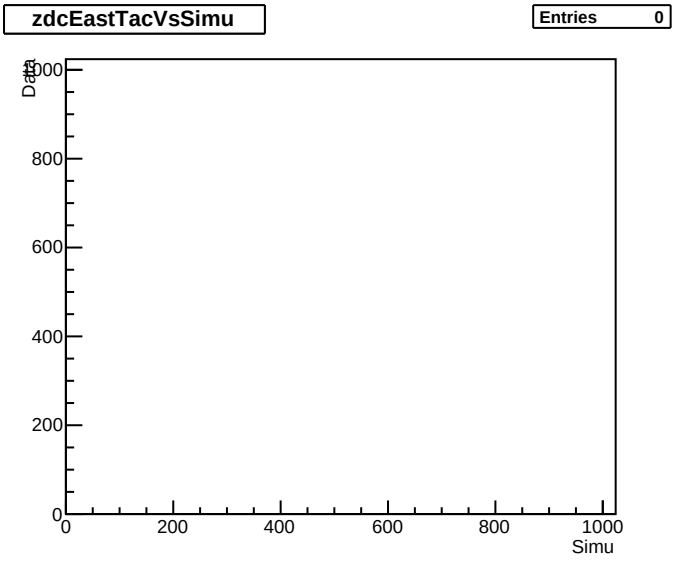
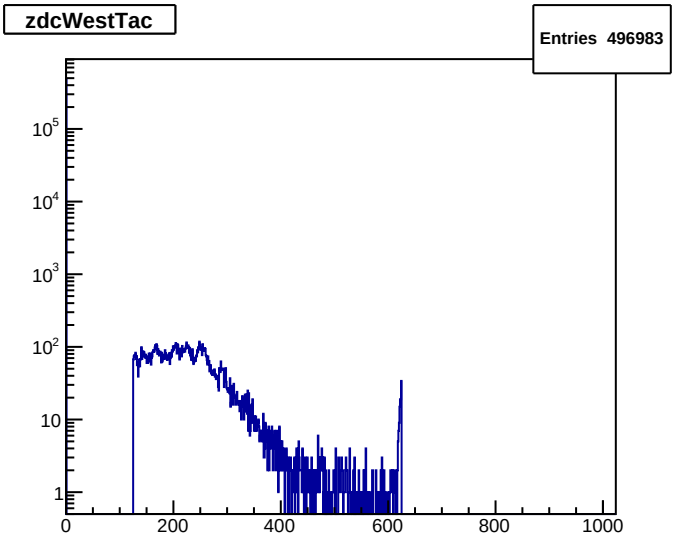
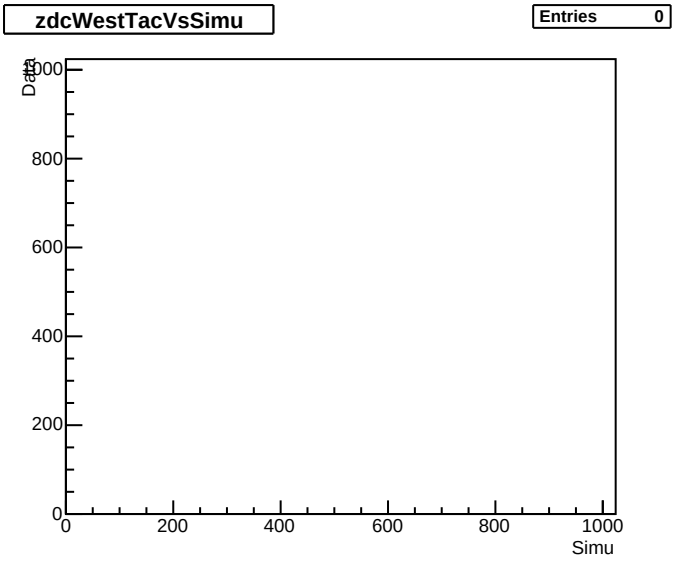
Entries 496983

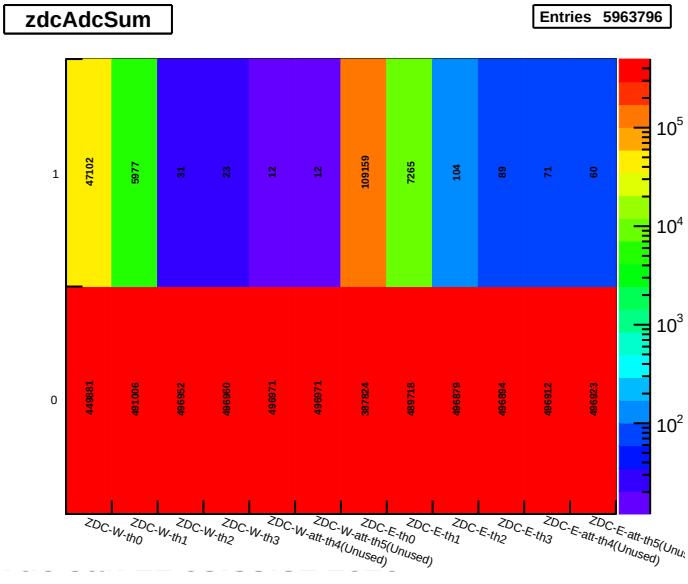

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 496983
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 496983
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 5963796
1
0
47102
5977
31
23
12
12
109159
7265
104
89
71
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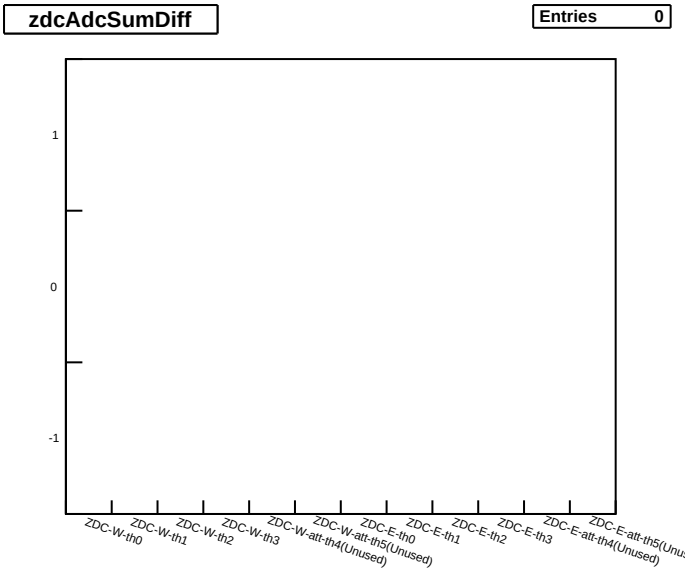
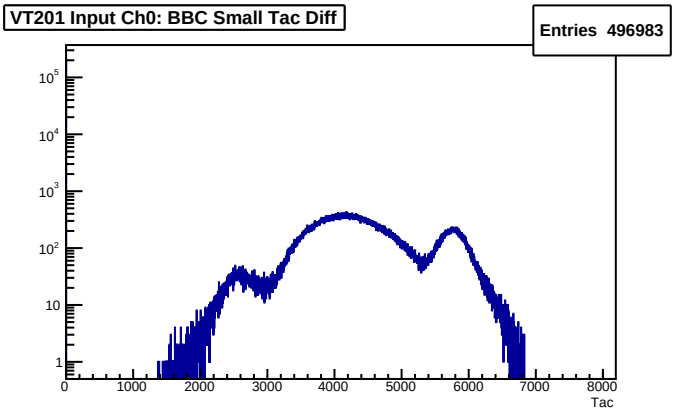
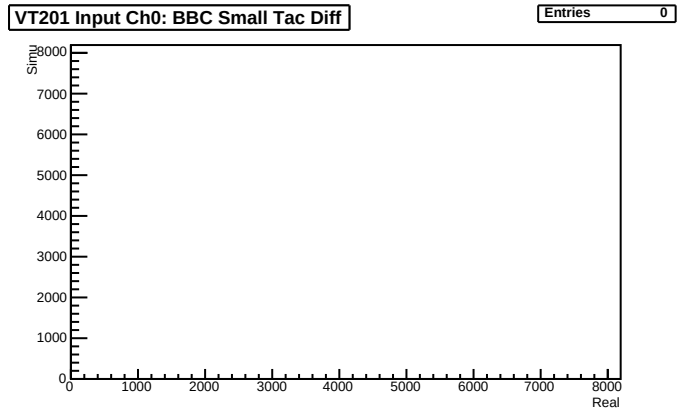
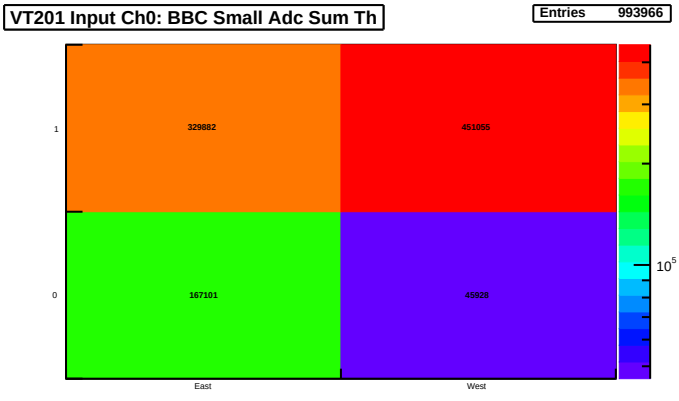
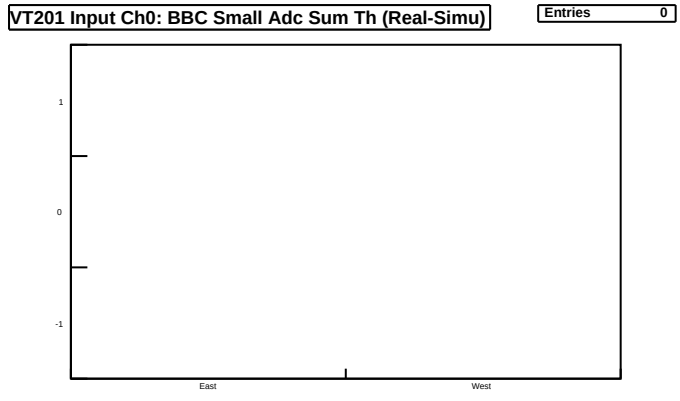
449881
491006
496952
496960
496971
496971
387824
489718
496879
496894
496912
496923
10^5
10^4
10^3
10^2
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

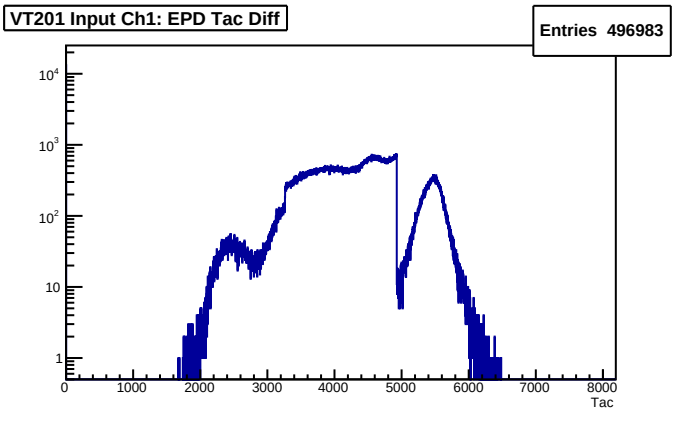

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

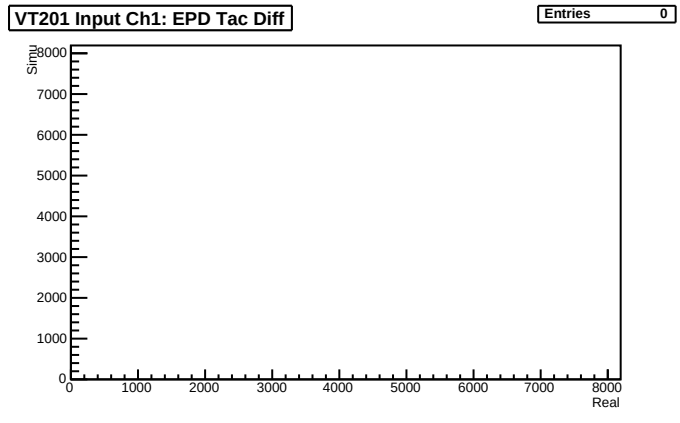

VT201 Input Ch0: BBC Small Tac Diff
Entries 496983
Tac

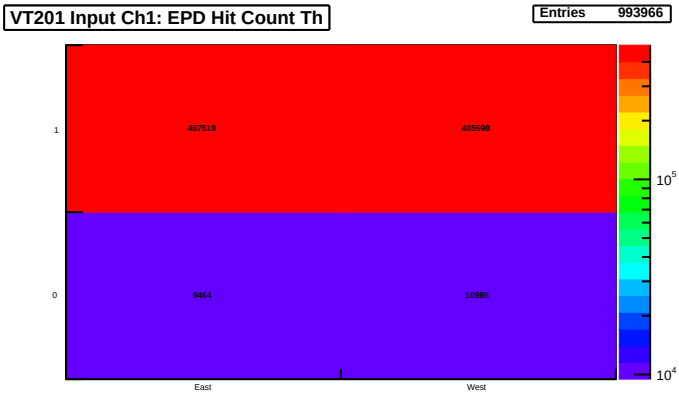

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

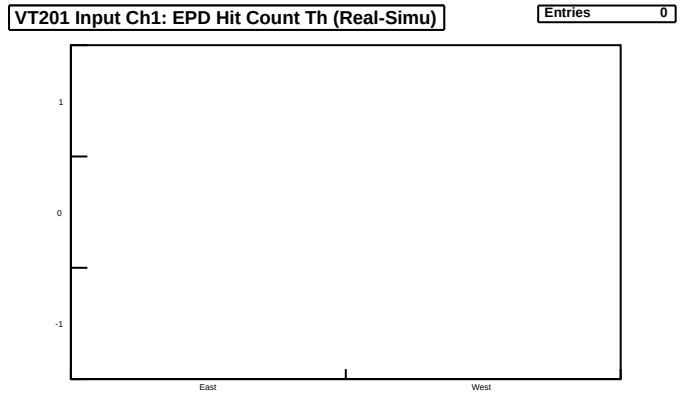

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 993966
329882
451055
167101
45928
East
West

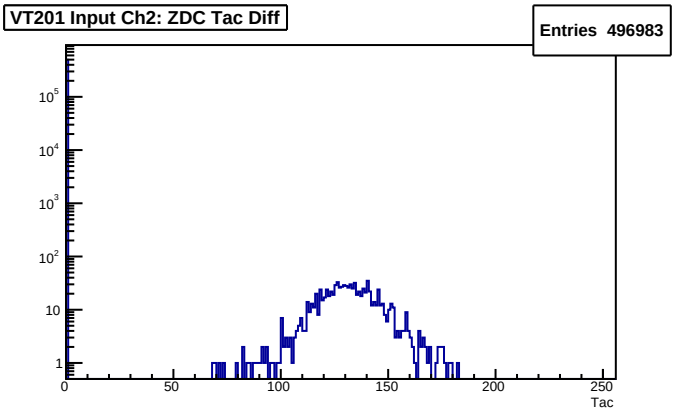

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

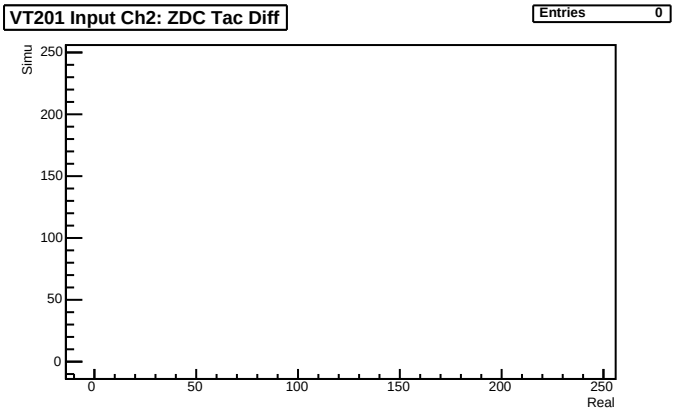

VT201 Input Ch1: EPD Tac Diff
Entries 496983
Tac

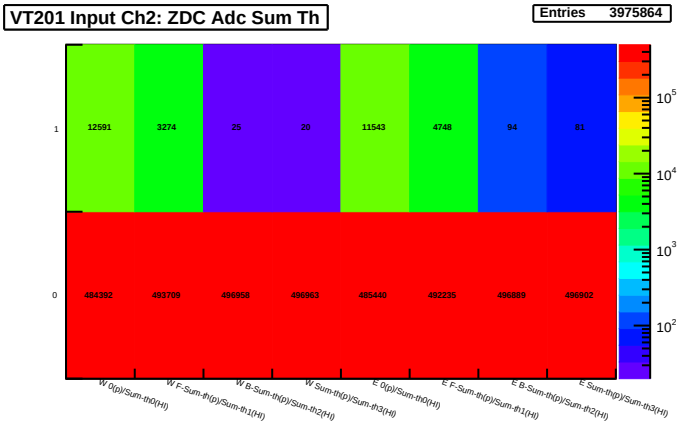

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

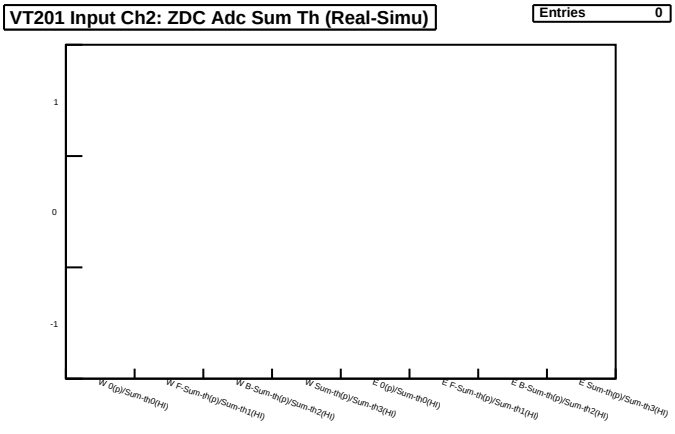

VT201 Input Ch1: EPD Hit Count Th
Entries 993966
487519
485998
9464
10985
East
West

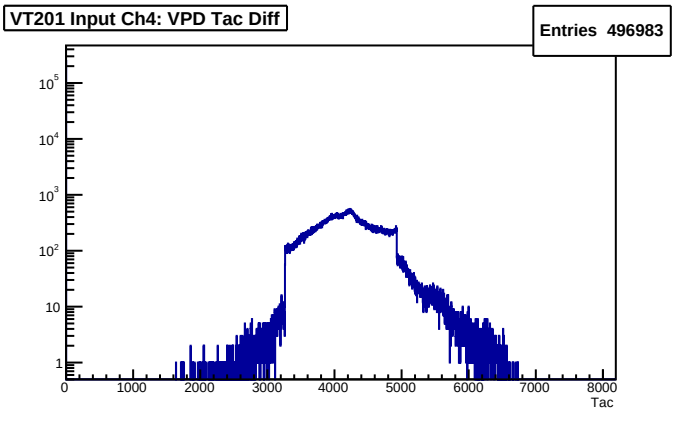

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

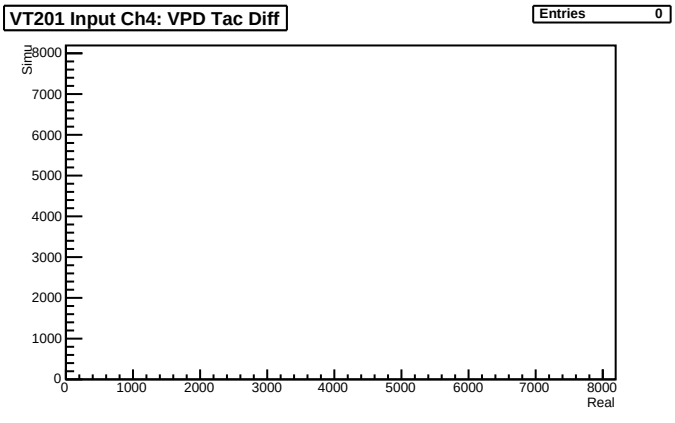

VT201 Input Ch2: ZDC Tac Diff
Entries 496983
Tac

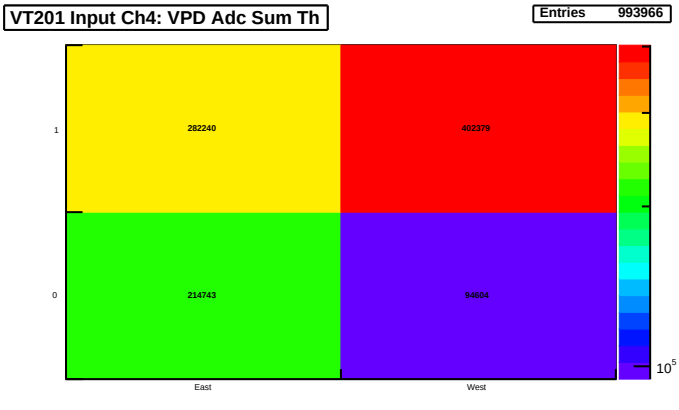

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

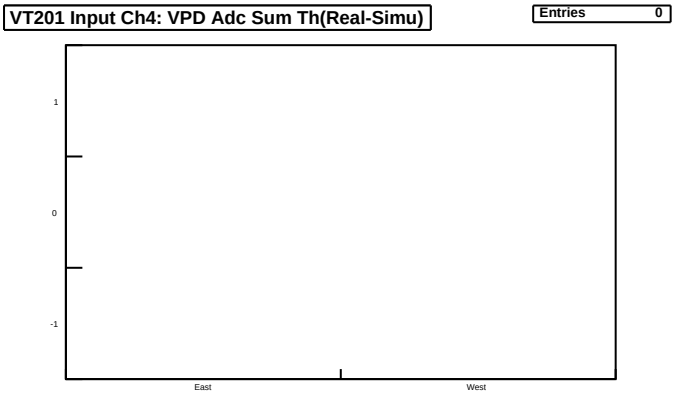

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3975864
12591
3274
25
20
11543
4748
94
81
484392
493709
496958
496963
485440
492235
496889
496902
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

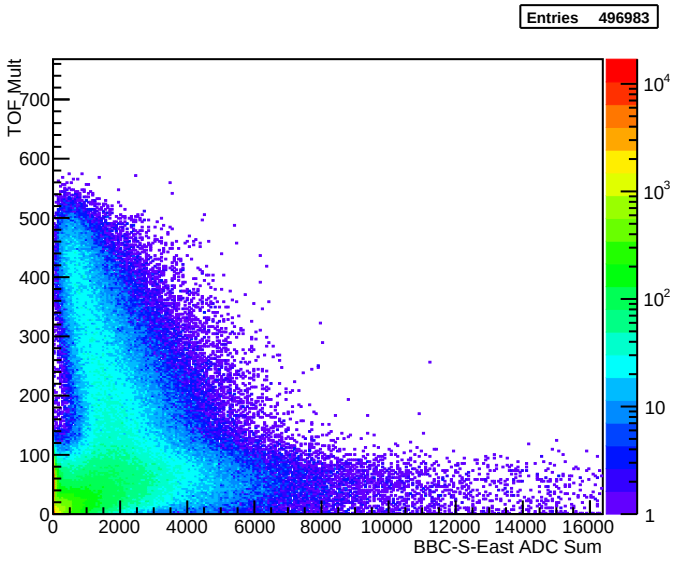

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

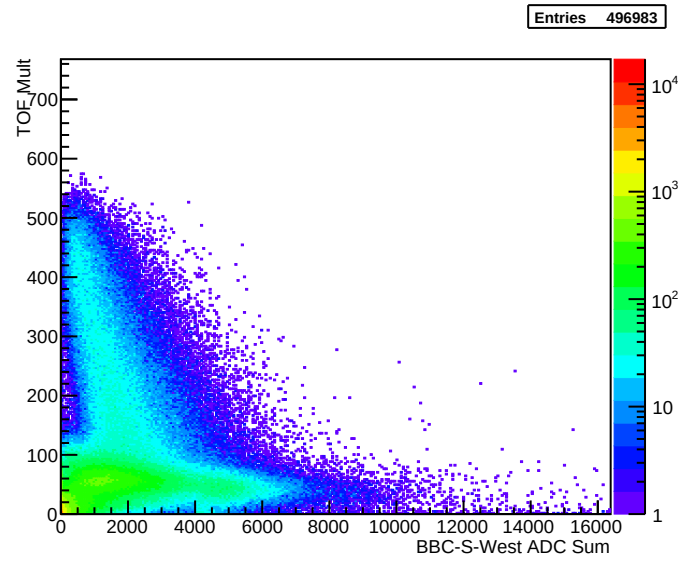

VT201 Input Ch4: VPD Tac Diff
Entries 496983
Tac

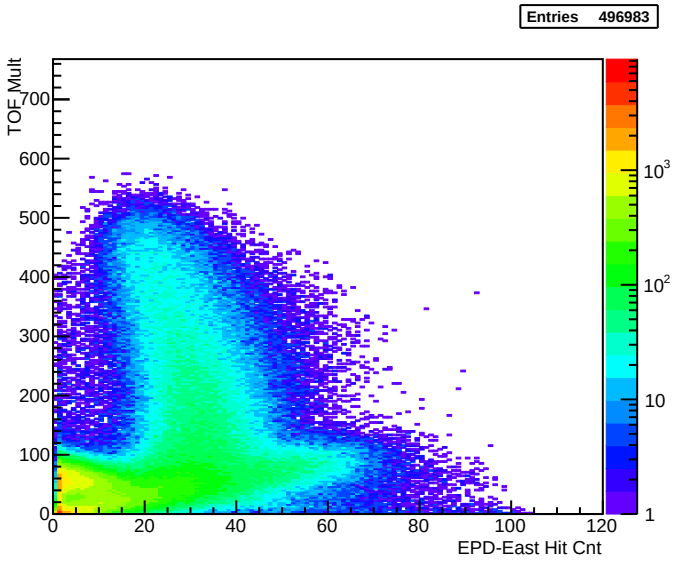

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

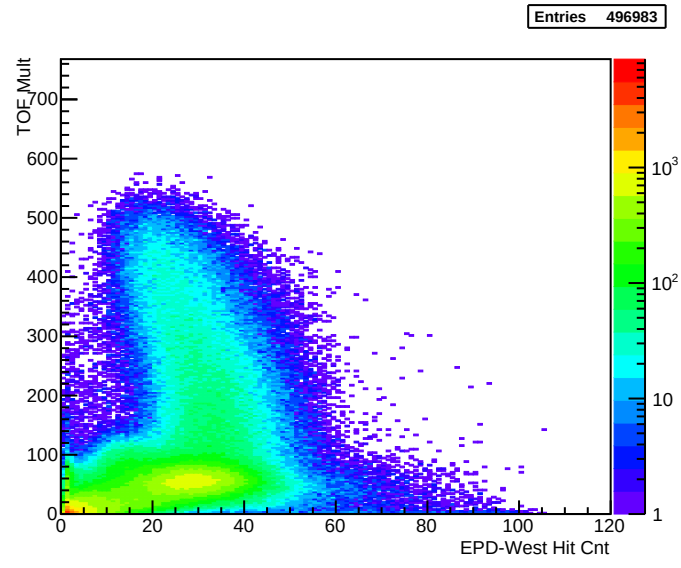

VT201 Input Ch4: VPD Adc Sum Th
Entries 993966
282240
402379
214743
94604
East
West

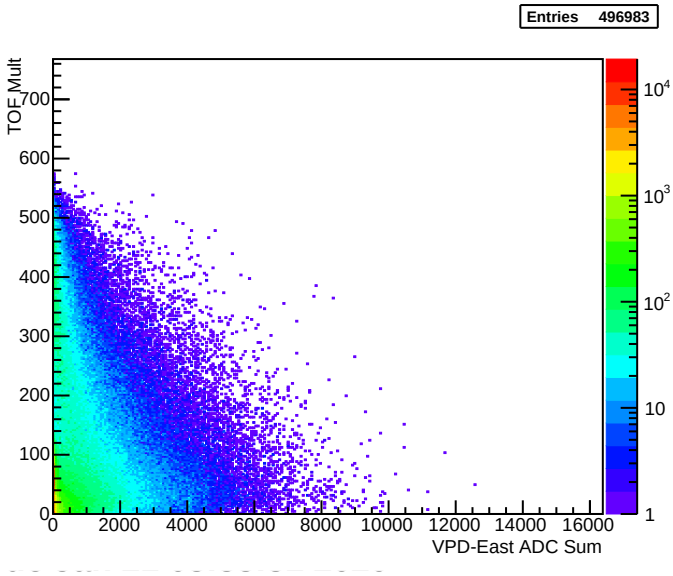

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

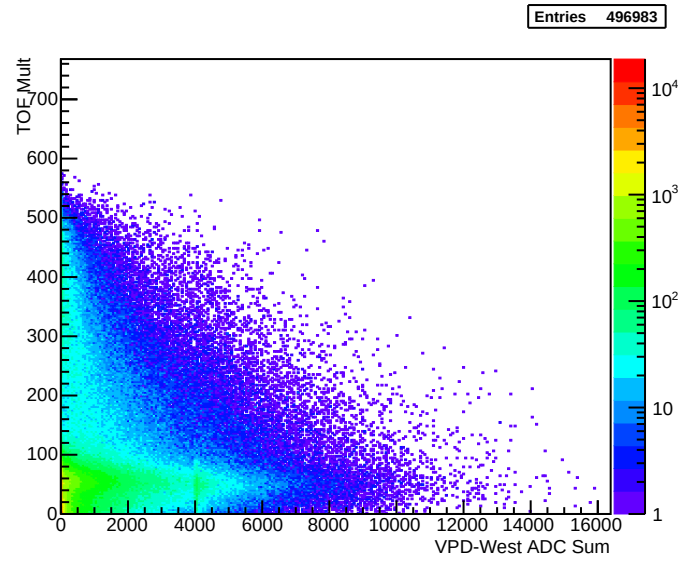

Entries 496983
TOF_Mult
BBC-S-East ADC Sum

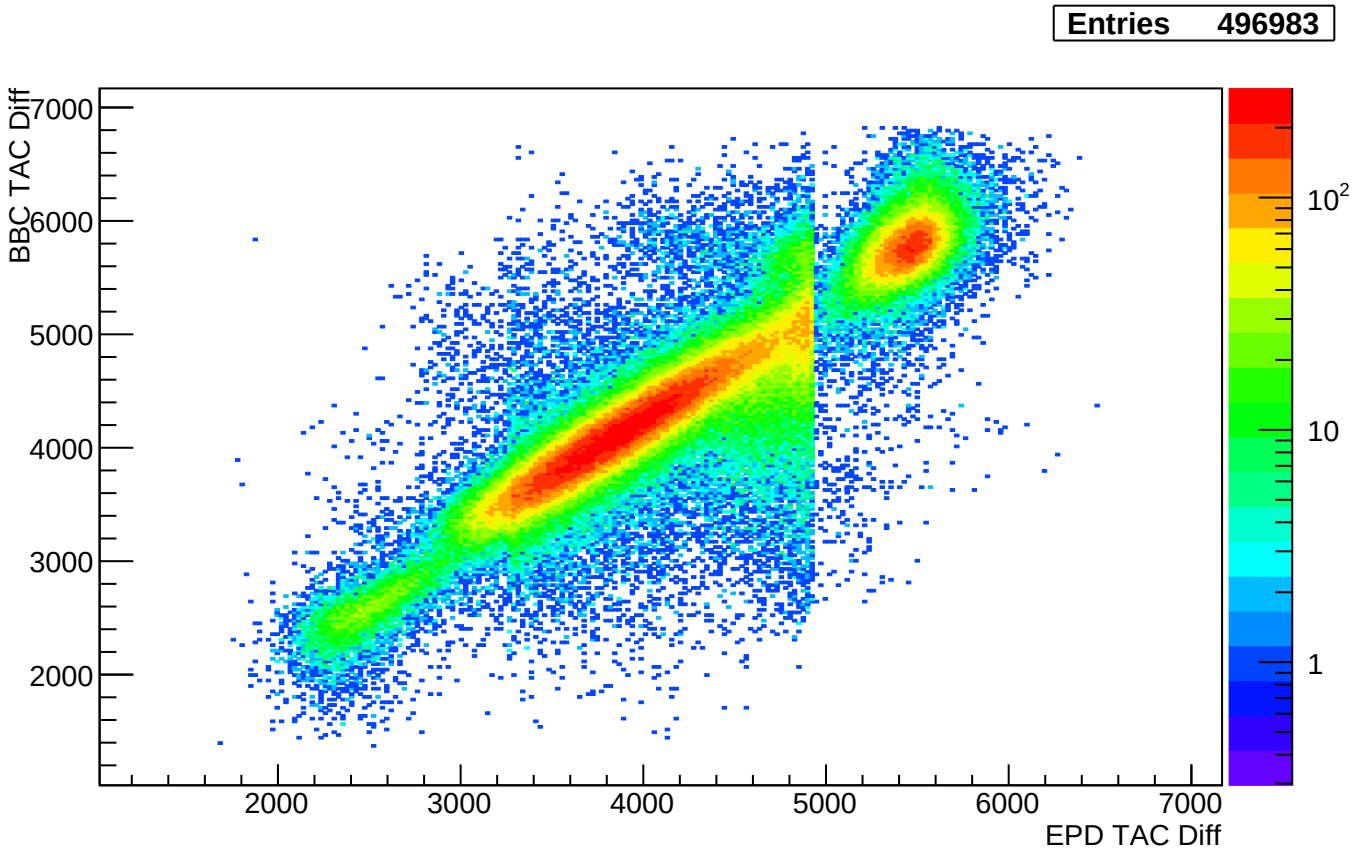

Entries 496983
TOF_Mult
BBC-S-West ADC Sum

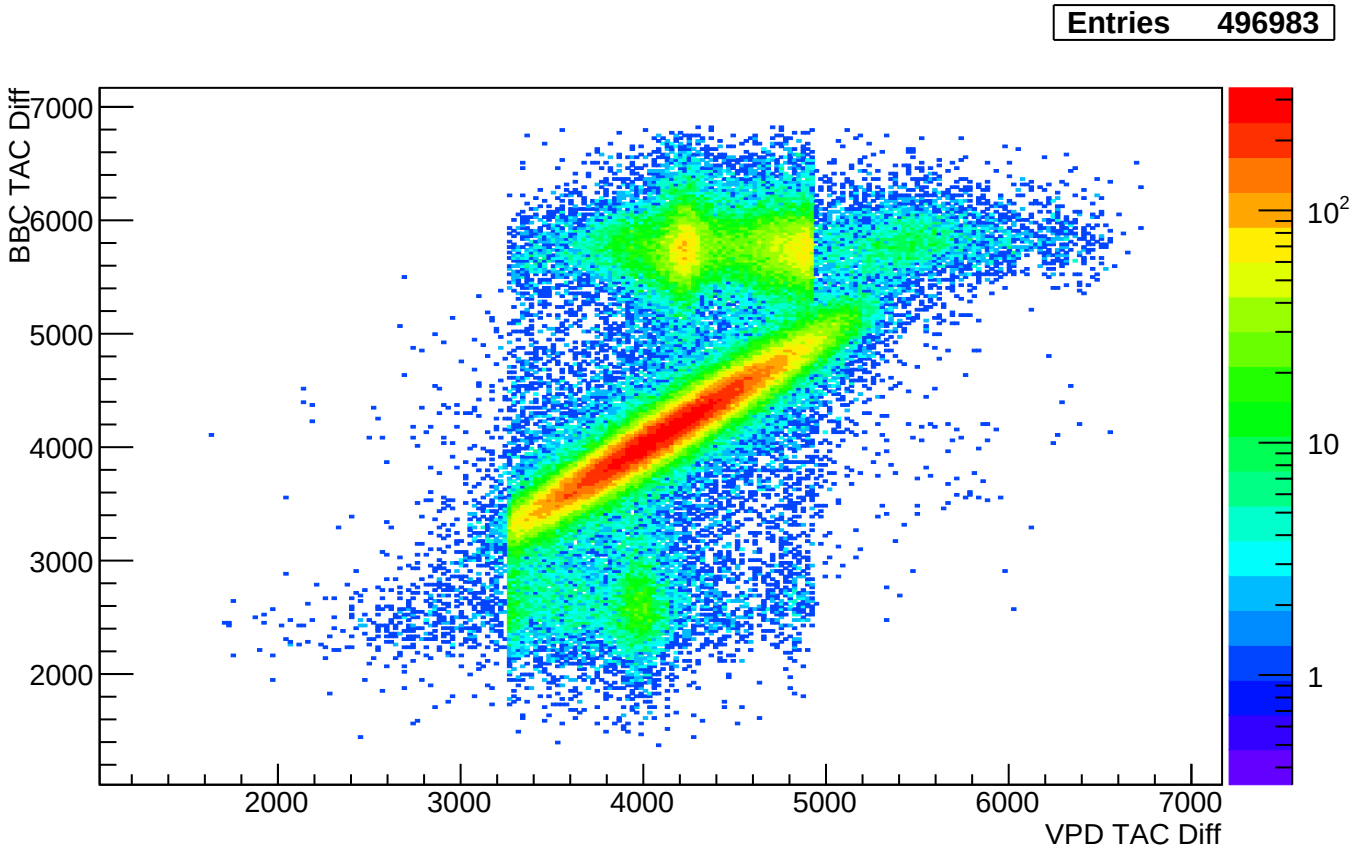

Entries 496983
TOF_Mult
EPD-East Hit Cnt

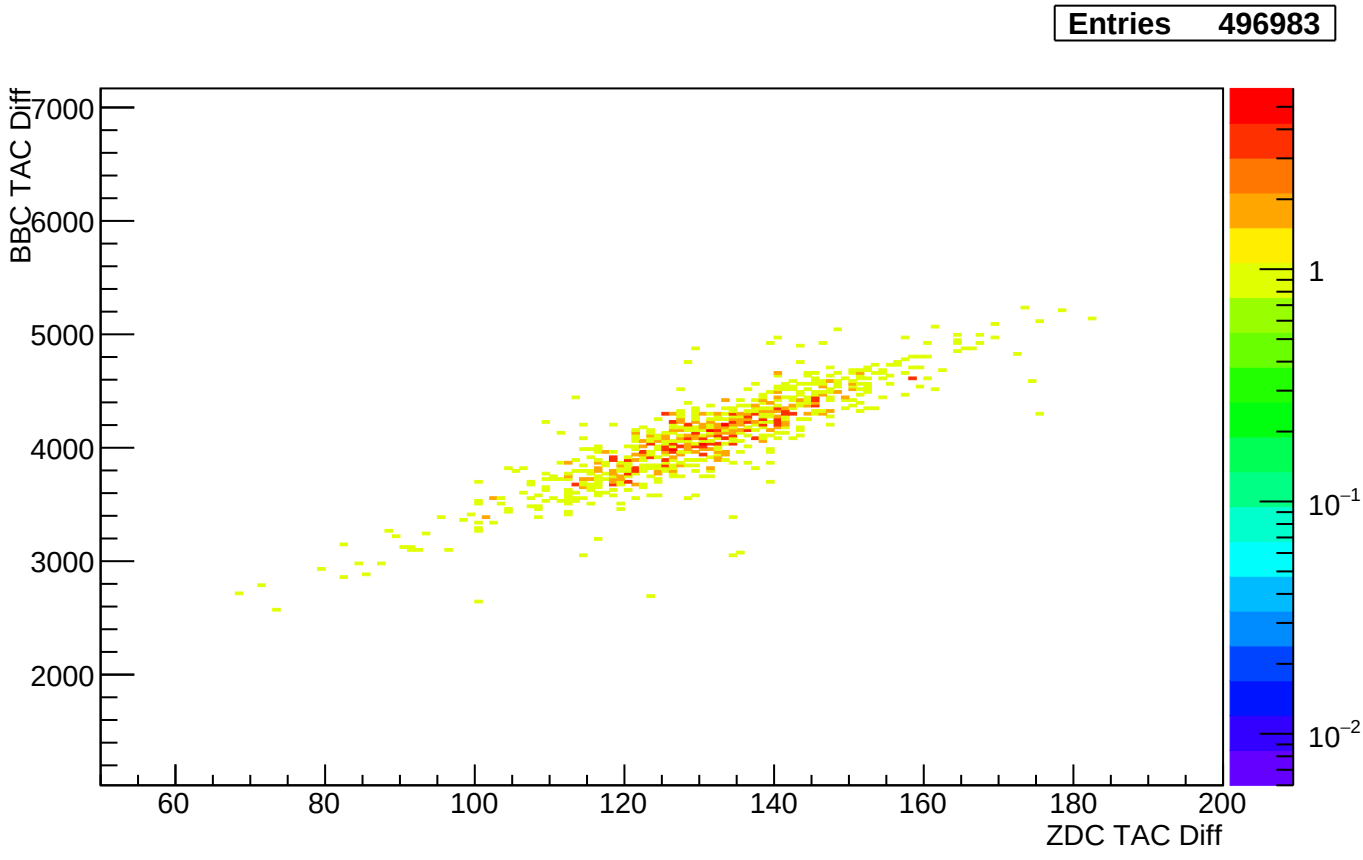

Entries 496983
TOF_Mult
EPD-West Hit Cnt

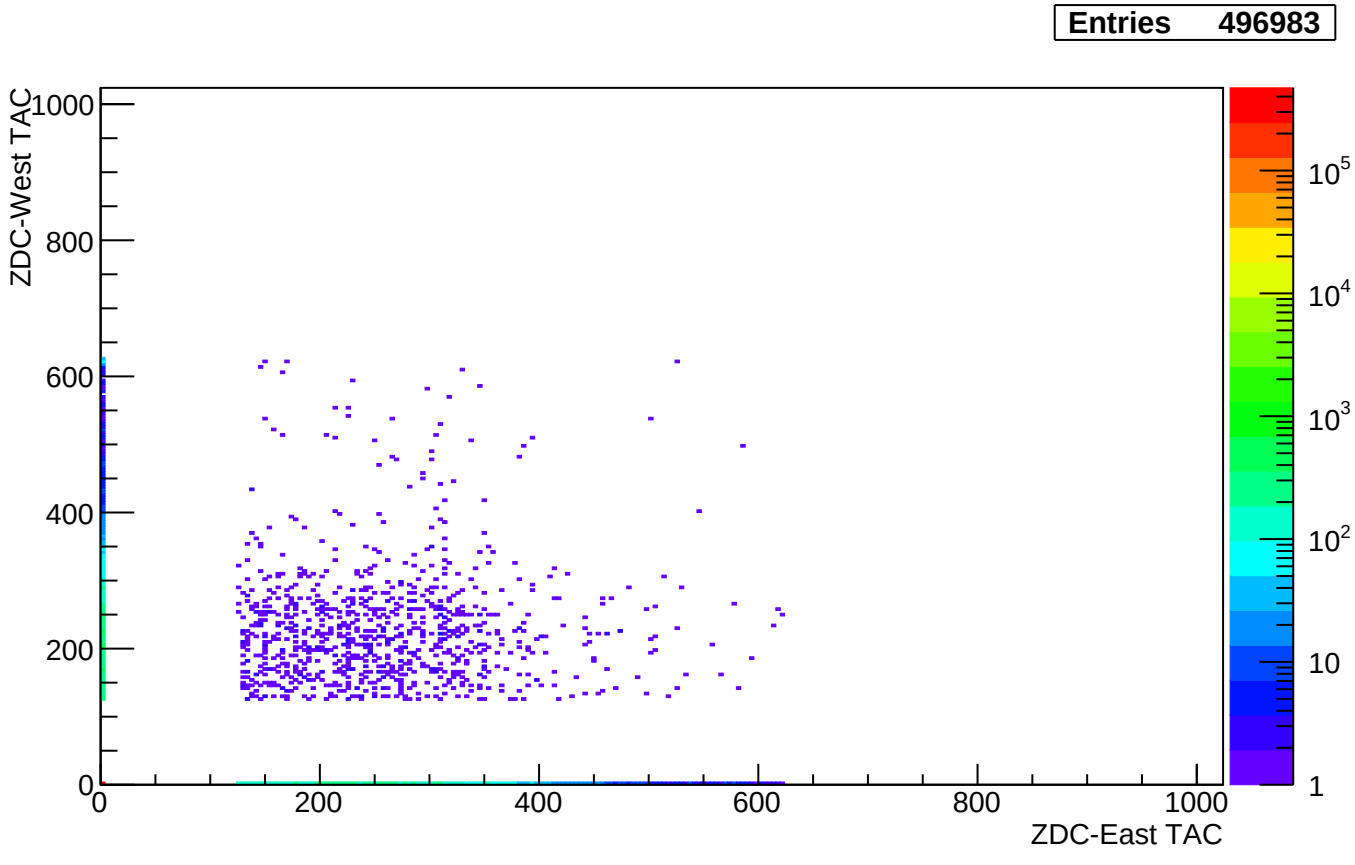

Entries 496983
TOF_Mult
VPD-East ADC Sum

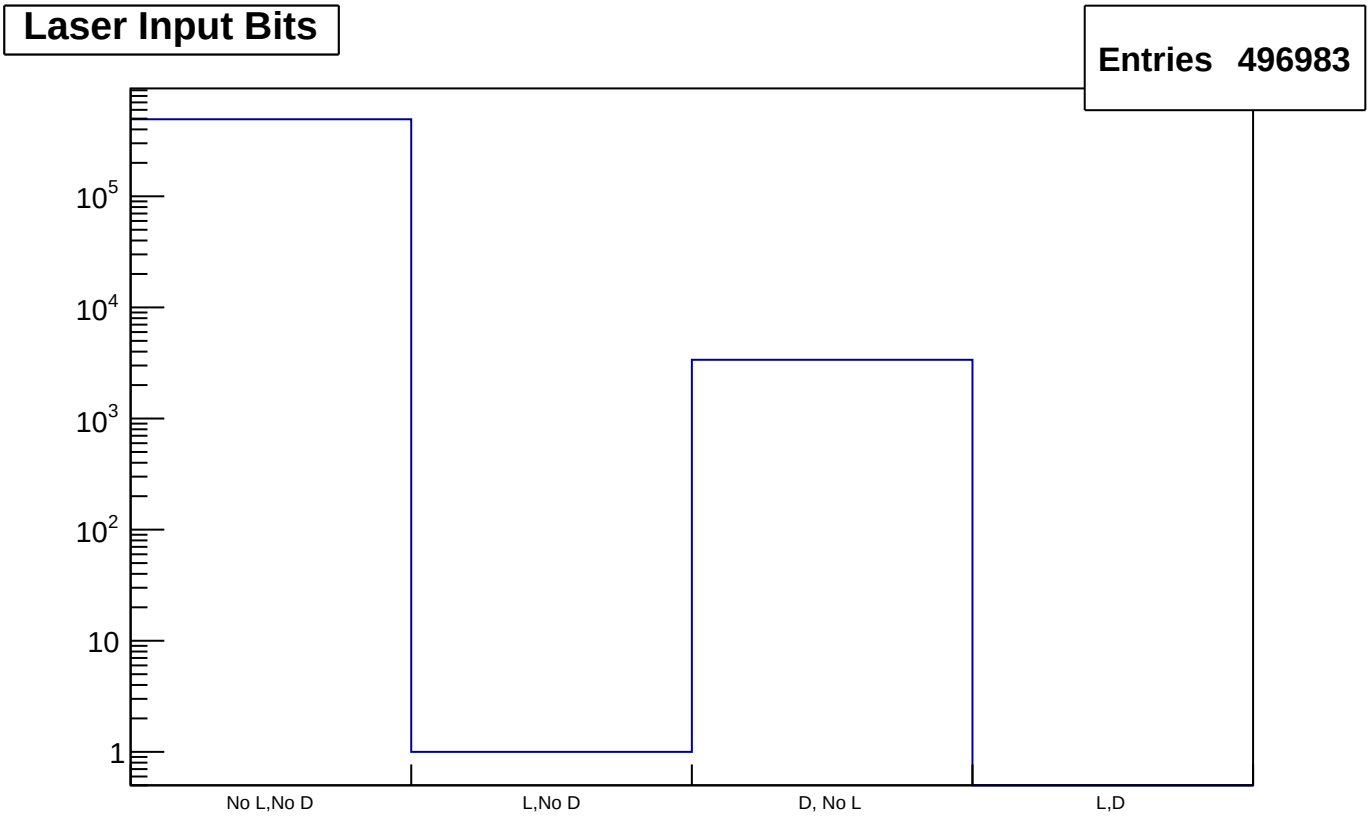

Entries 496983
TOF_Mult
VPD-West ADC Sum

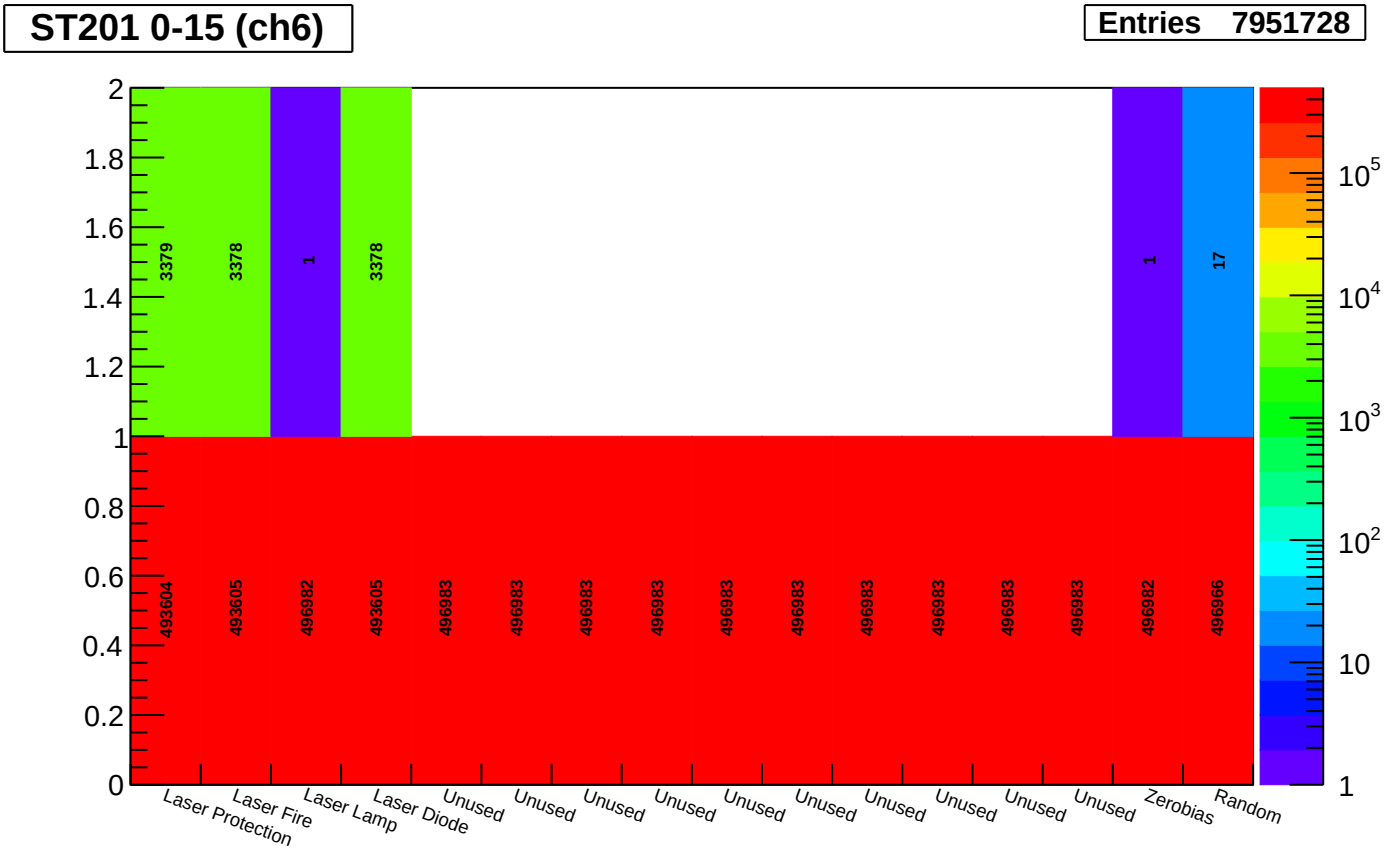

Entries 496983
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

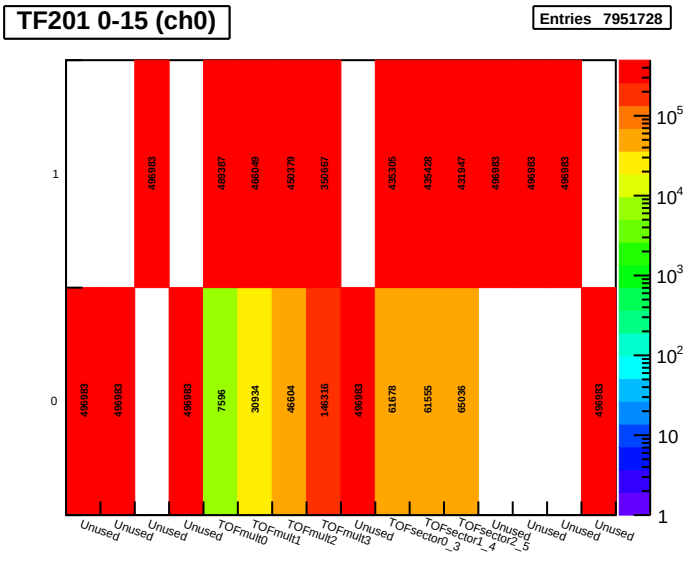

Entries 496983
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

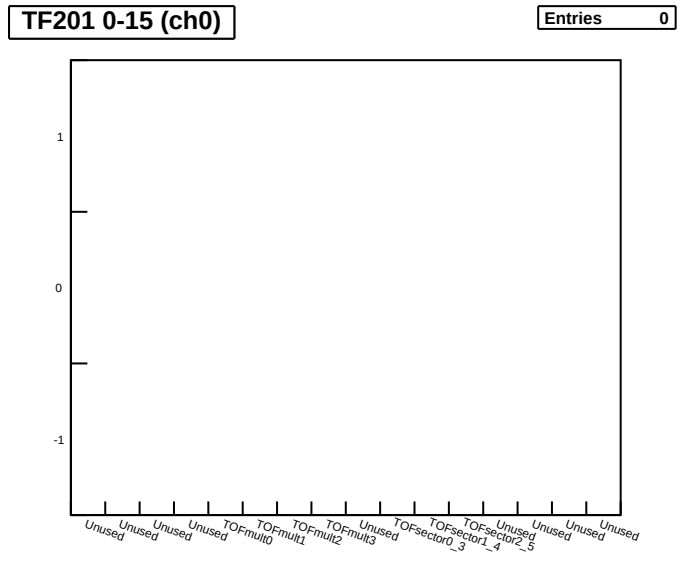

Entries 496983
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

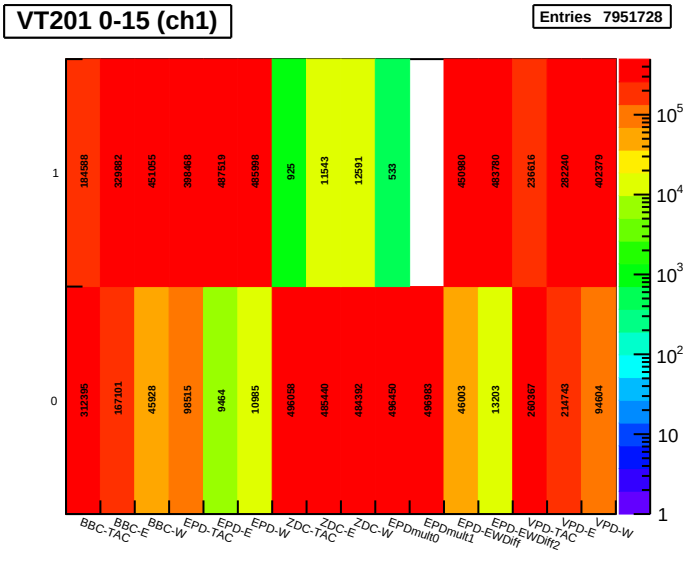

Entries 496983
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

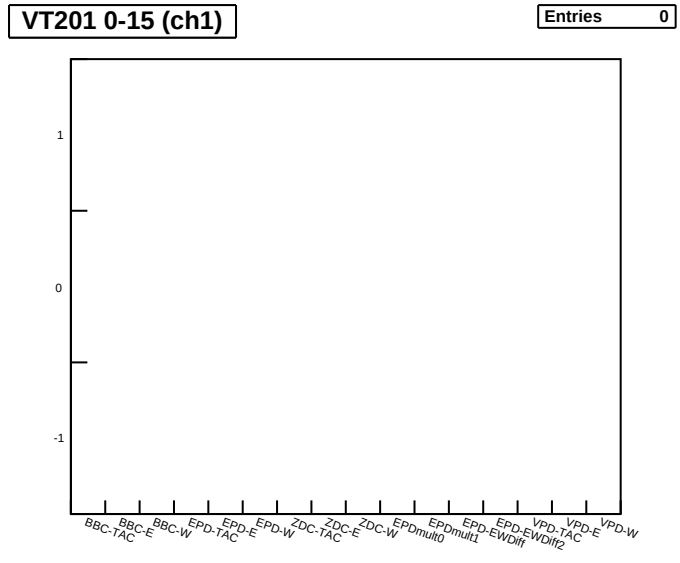

Laser Input Bits
Entries 496983
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

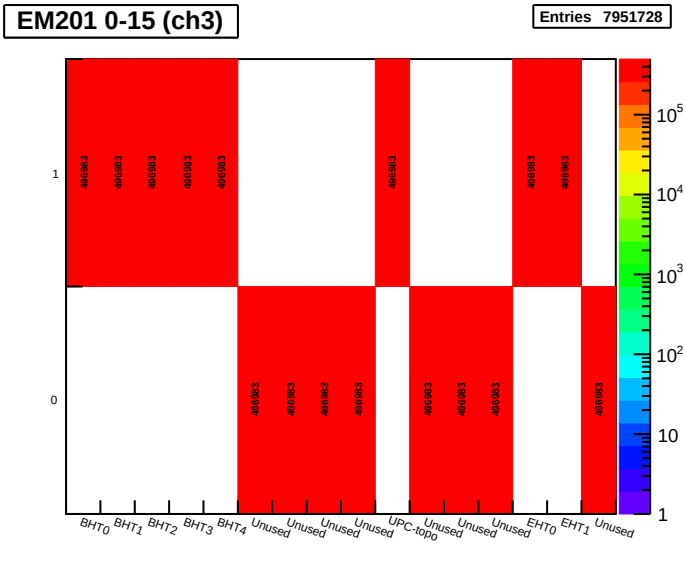

ST201 0-15 (ch6)
Entries 7951728
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3379
3378
1
3378
1
17
493604
493605
496982
493605
496983
496983
496983
496983
496983
496983
496983
496983
496983
496983
496982
496966
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1










EM201 0-15 (ch3)
Entries 7951728
1
0
496983
496983
496983
496983
496983