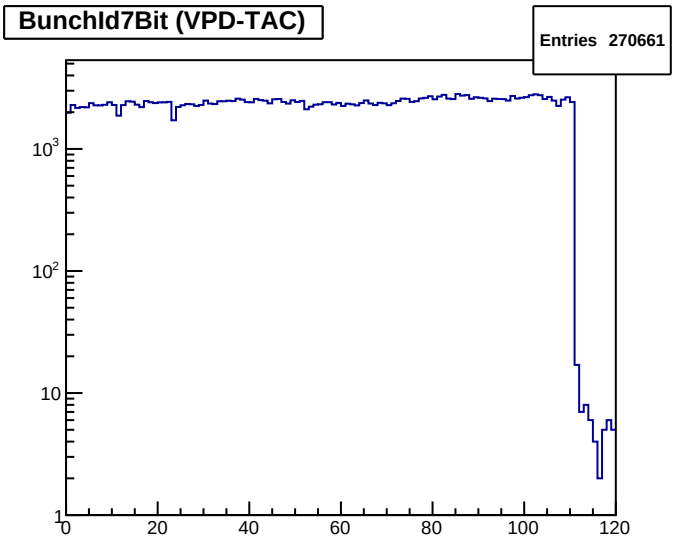
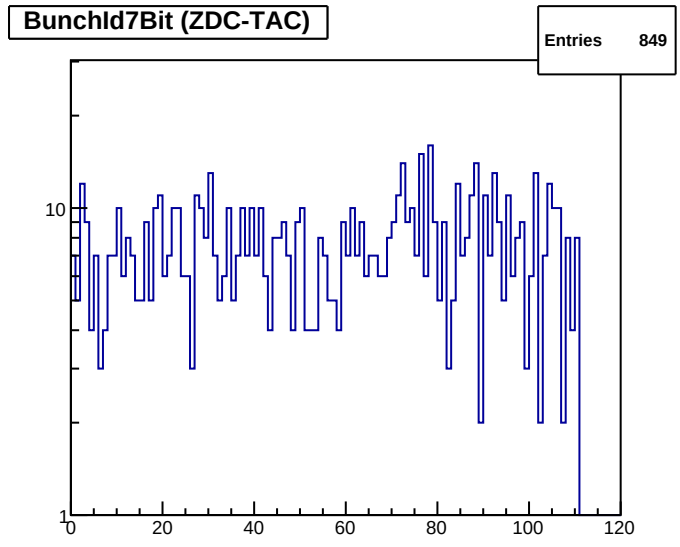
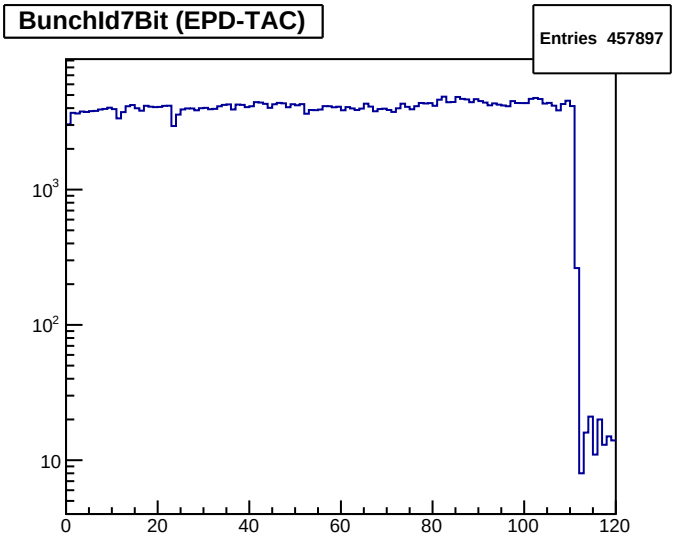
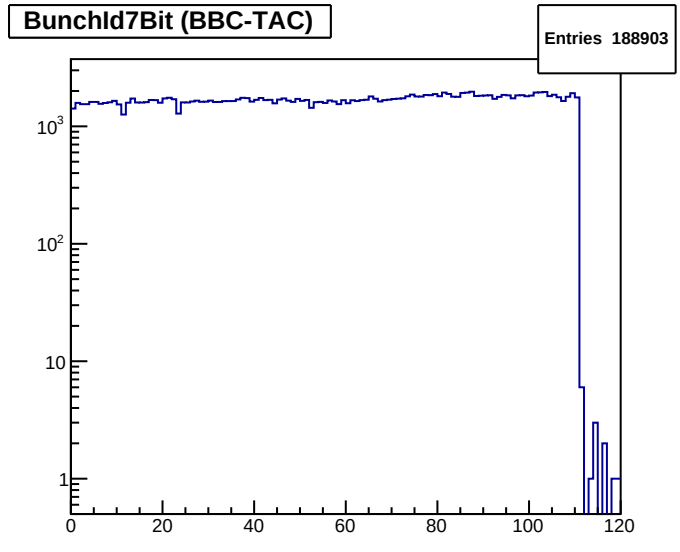
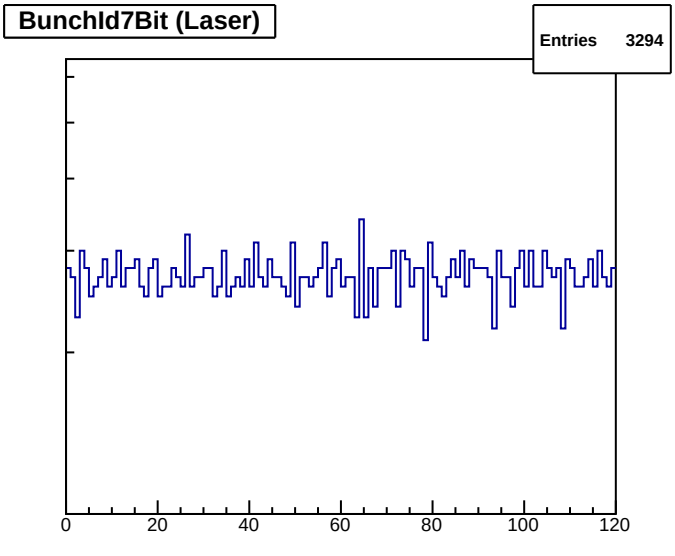
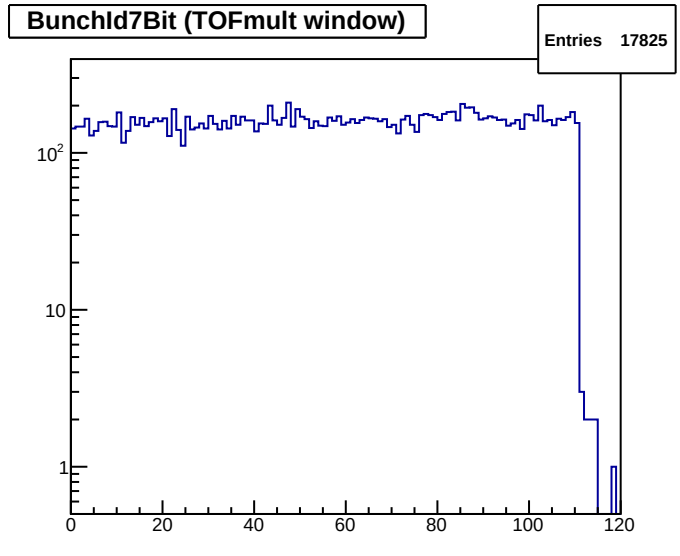

BunchId7Bit (VPD-TAC)
Entries 270661
10^3
10^2
10
1
0
20
40
60
80
100
120

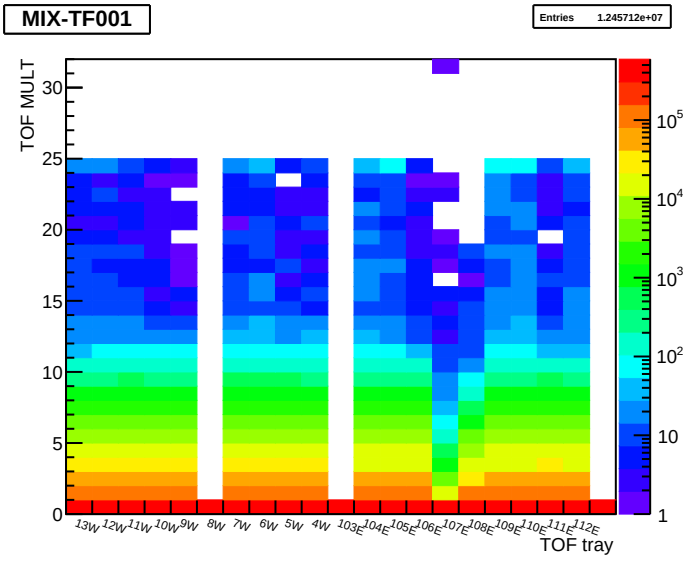

BunchId7Bit (ZDC-TAC)
Entries 849
10
1
0
20
40
60
80
100
120

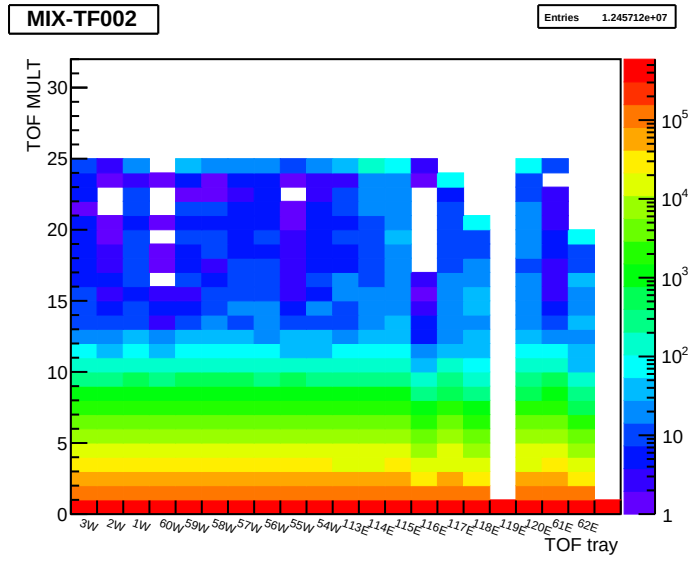

BunchId7Bit (EPD-TAC)
Entries 457897
10^3
10^2
10
0
20
40
60
80
100
120

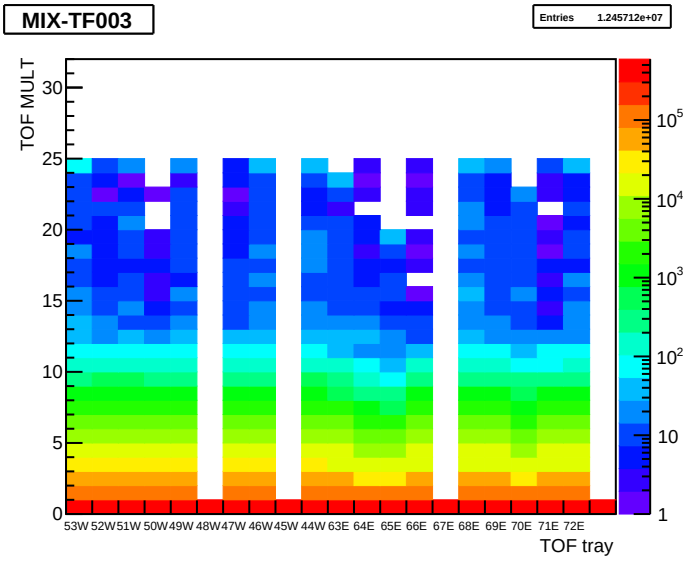

BunchId7Bit (BBC-TAC)
Entries 188903
10^3
10^2
10
1
0
20
40
60
80
100
120

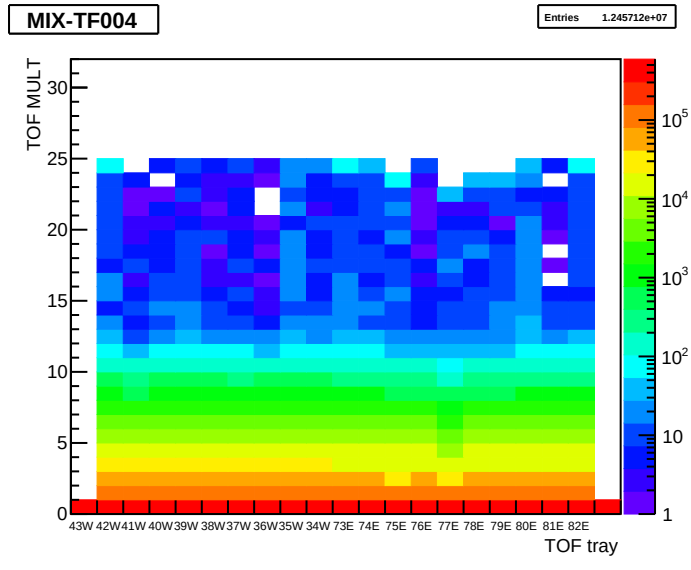

BunchId7Bit (Laser)
Entries 3294
0
20
40
60
80
100
120

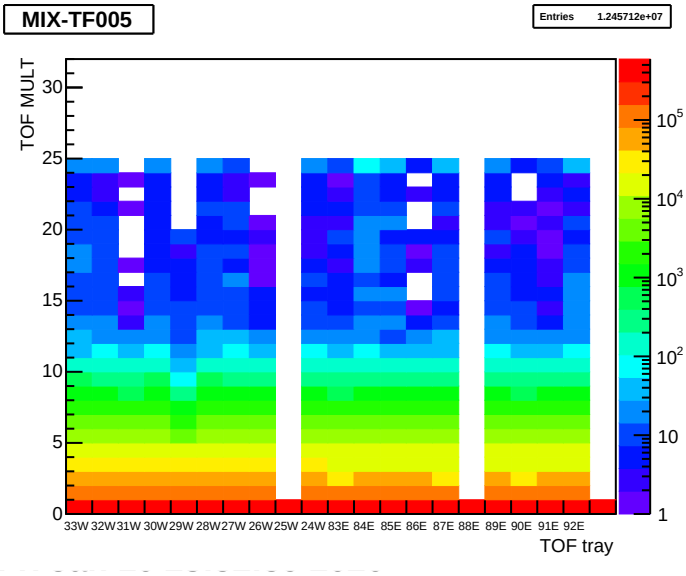

BunchId7Bit (TOFmult window)
Entries 17825
10^2
10
1
0
20
40
60
80
100
120

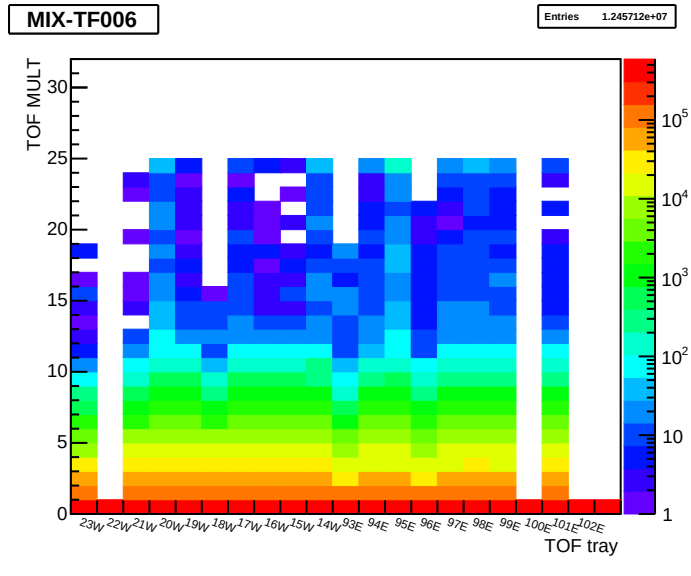

MIX-TF001
Entries 1.245712e+07
TOF MULT
TOF tray

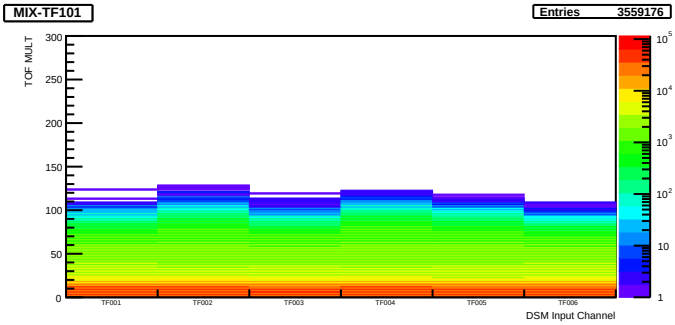

MIX-TF002
Entries 1.245712e+07
TOF MULT
TOF tray

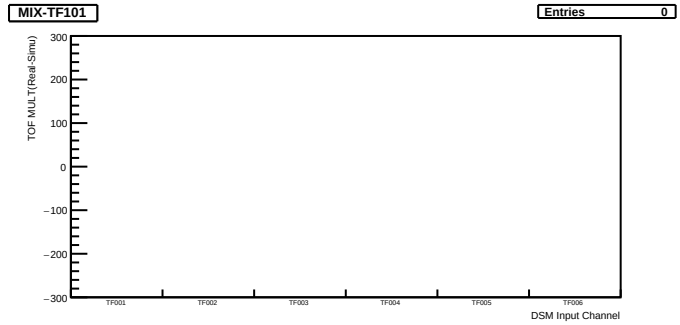

MIX-TF003
Entries 1.245712e+07
TOF MULT
TOF tray

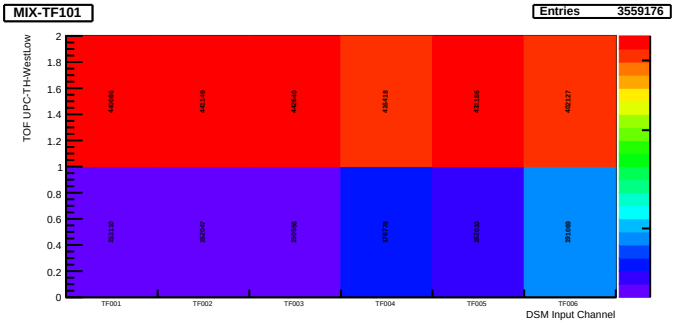

MIX-TF004
Entries 1.245712e+07
TOF MULT
TOF tray

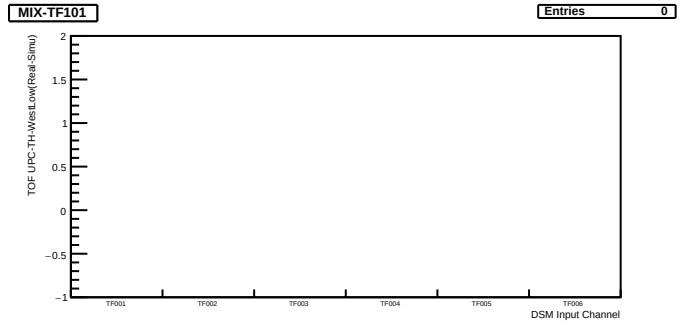

MIX-TF005
Entries 1.245712e+07
TOF MULT
TOF tray

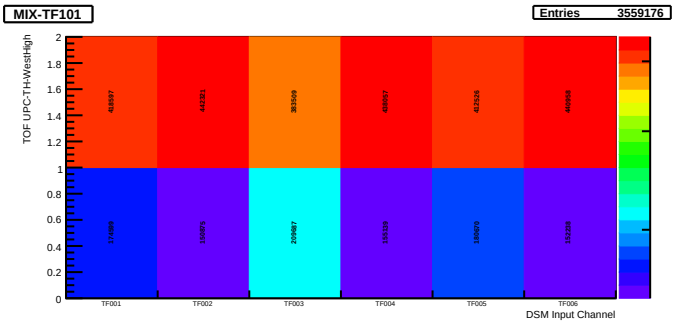

MIX-TF006
Entries 1.245712e+07
TOF MULT
TOF tray

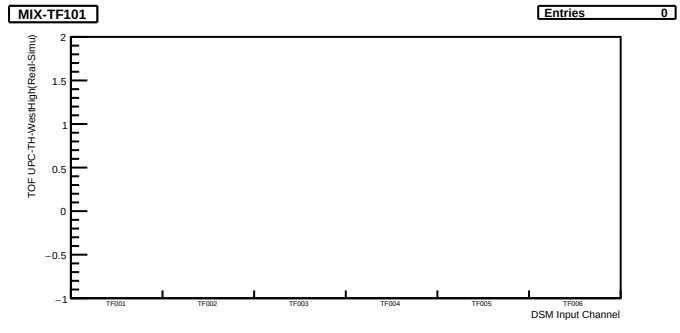

MIX-TF101
Entries 3559176
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

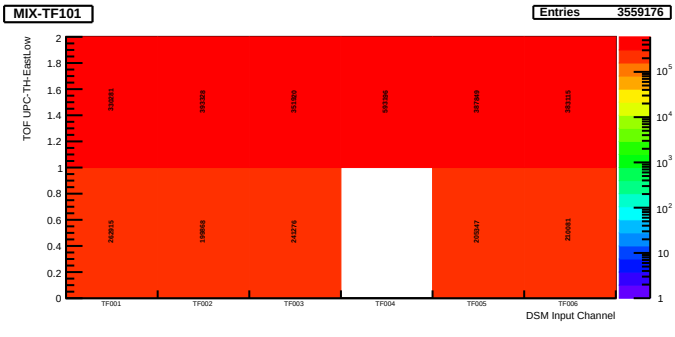

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

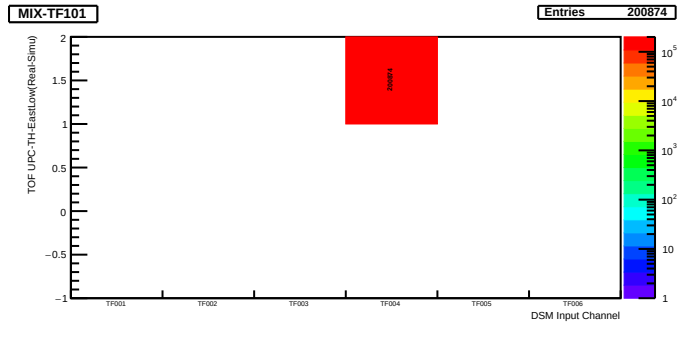

MIX-TF101
Entries 3559176
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

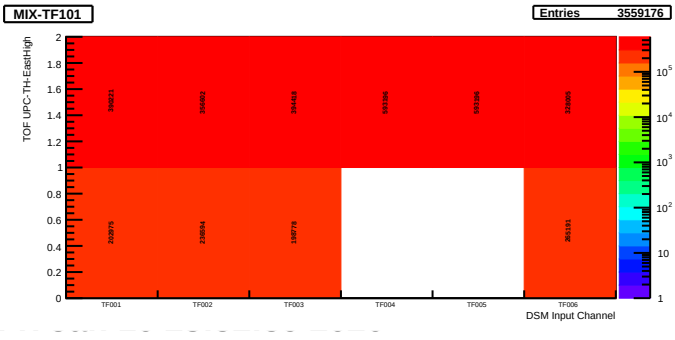

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

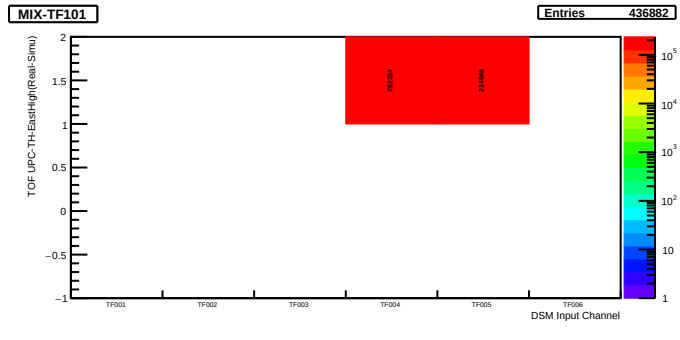

MIX-TF101
Entries 3559176
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

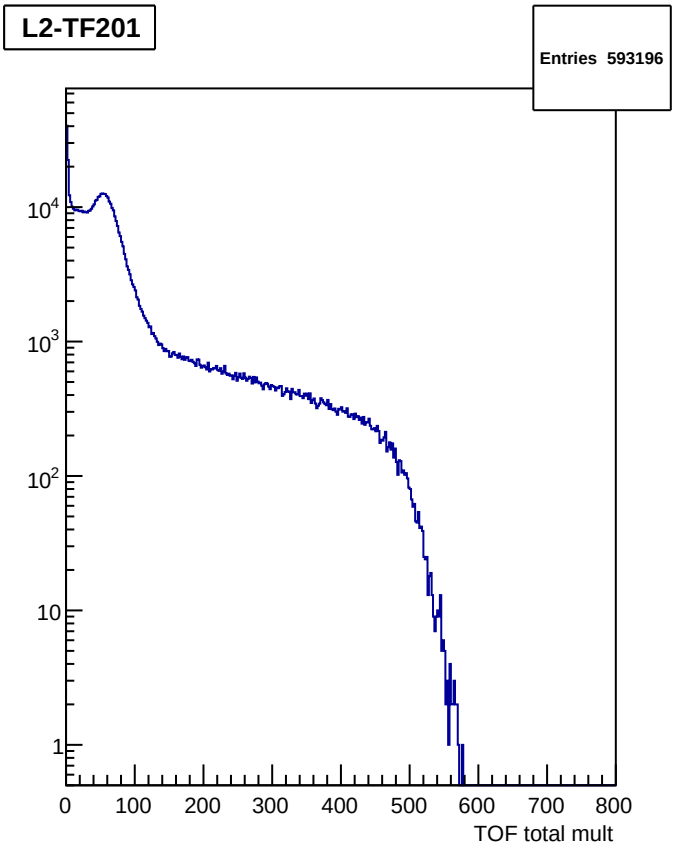

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

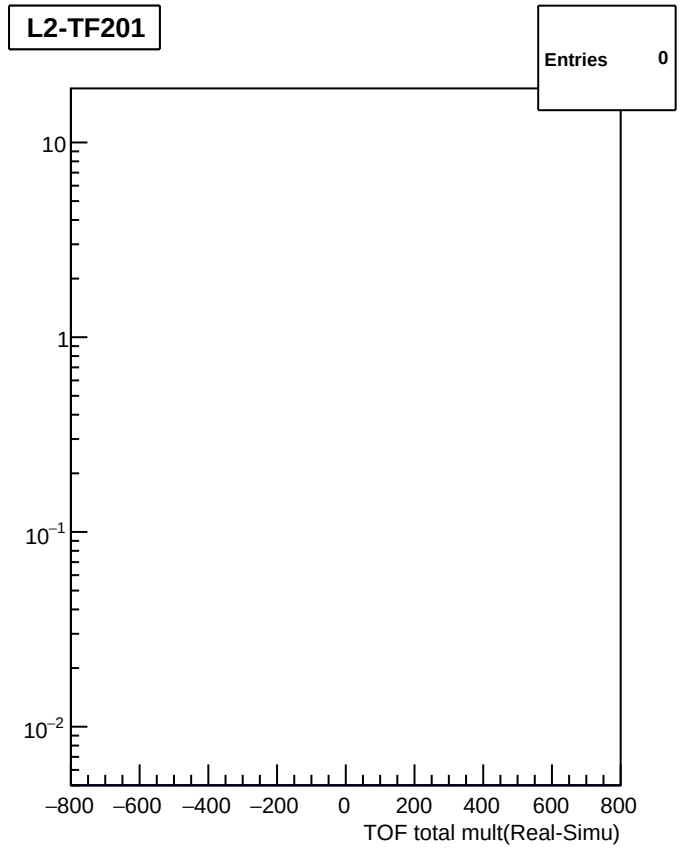

MIX-TF101
Entries 3559176
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

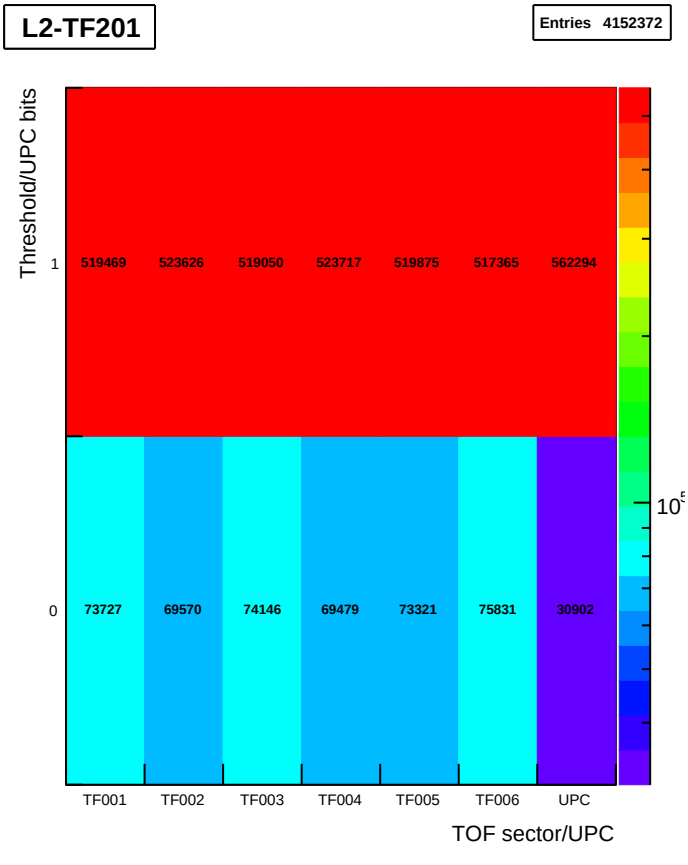

MIX-TF101
Entries 200874
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

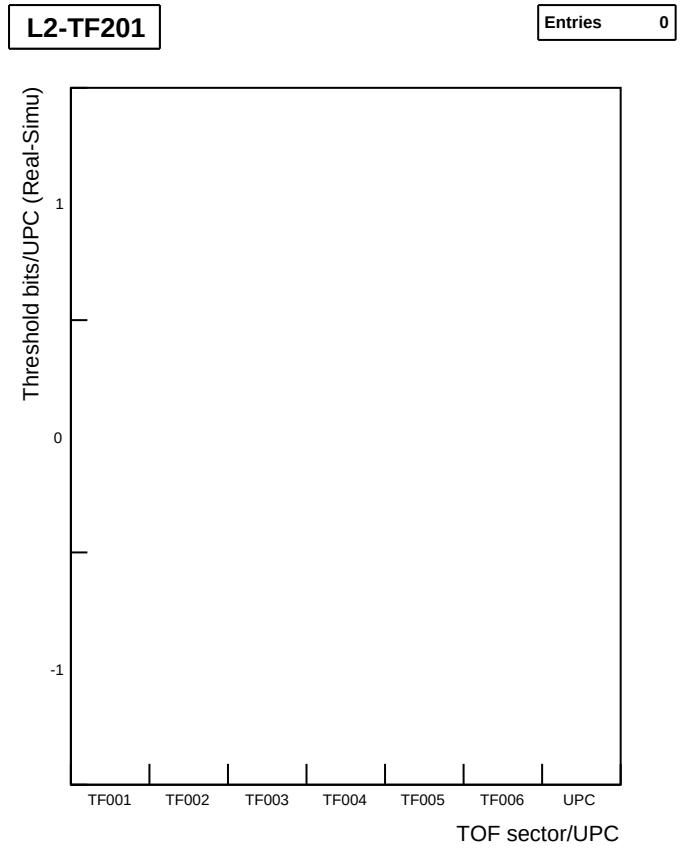

MIX-TF101
Entries 3559176
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

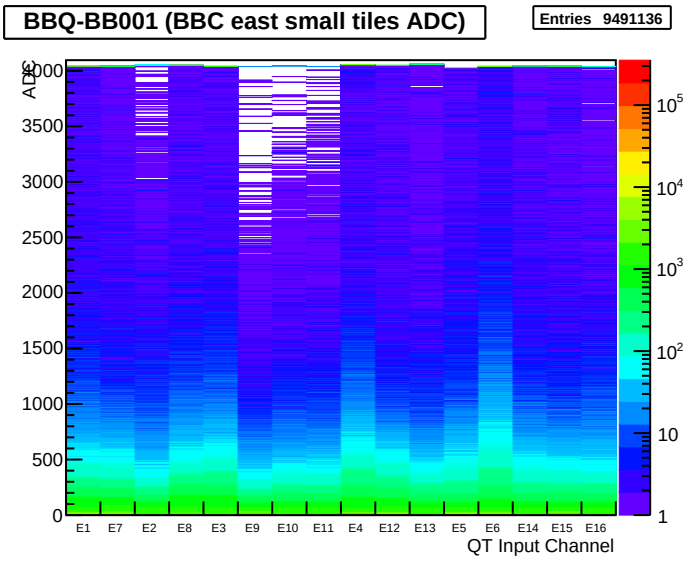

MIX-TF101
Entries 436882
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

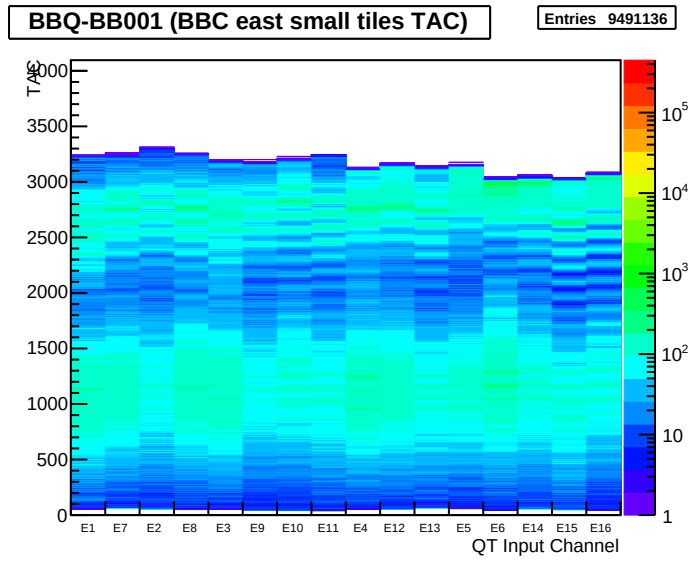

L2-TF201
Entries 593196
TOF total mult

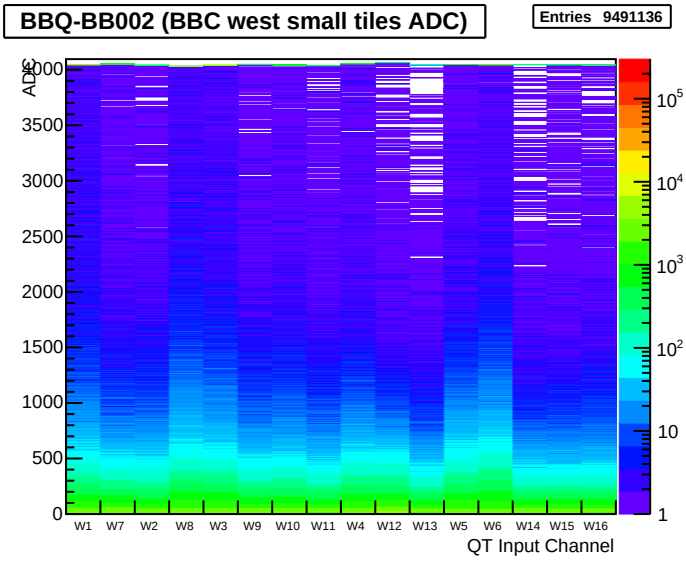

L2-TF201
Entries 0
TOF total mult(Real-Simu)

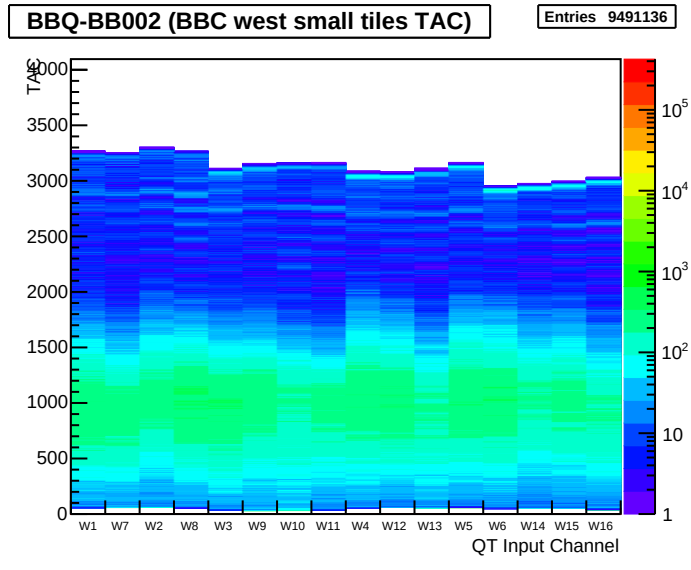

L2-TF201
Entries 4152372
Threshold/UPC bits
519469
523626
519050
523717
519875
517365
562294
73727
69570
74146
69479
73321
75831
30902
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

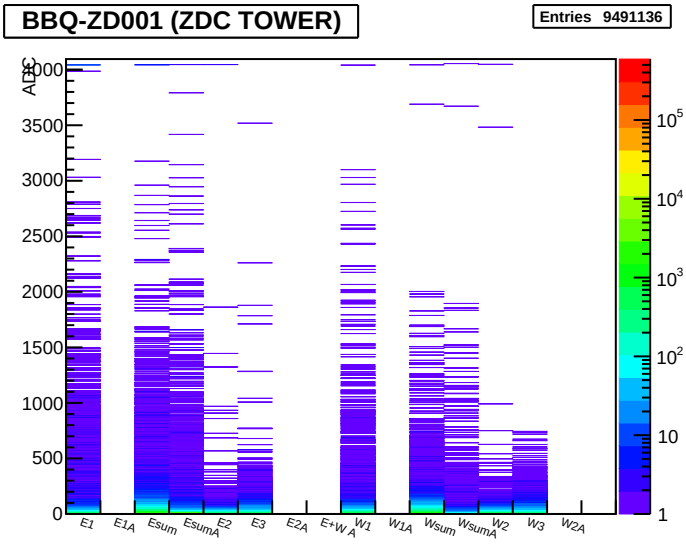

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

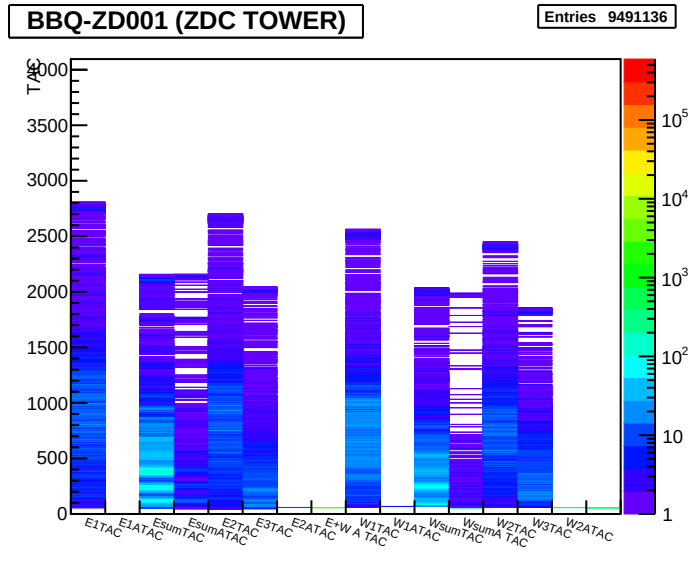

BBQ-BB001 (BBC east small tiles ADC)
Entries 9491136
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

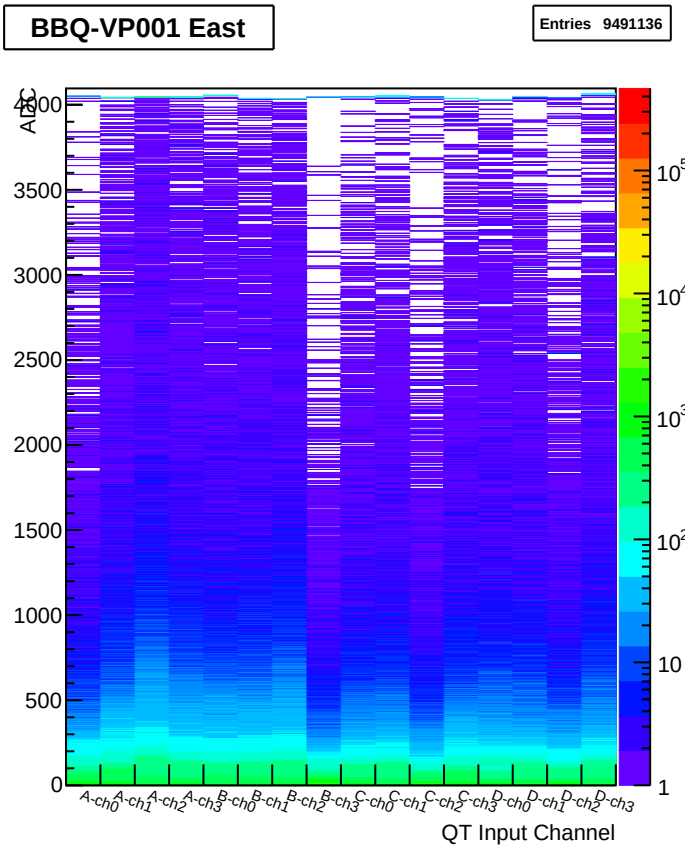

BBQ-BB001 (BBC east small tiles TAC)
Entries 9491136
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

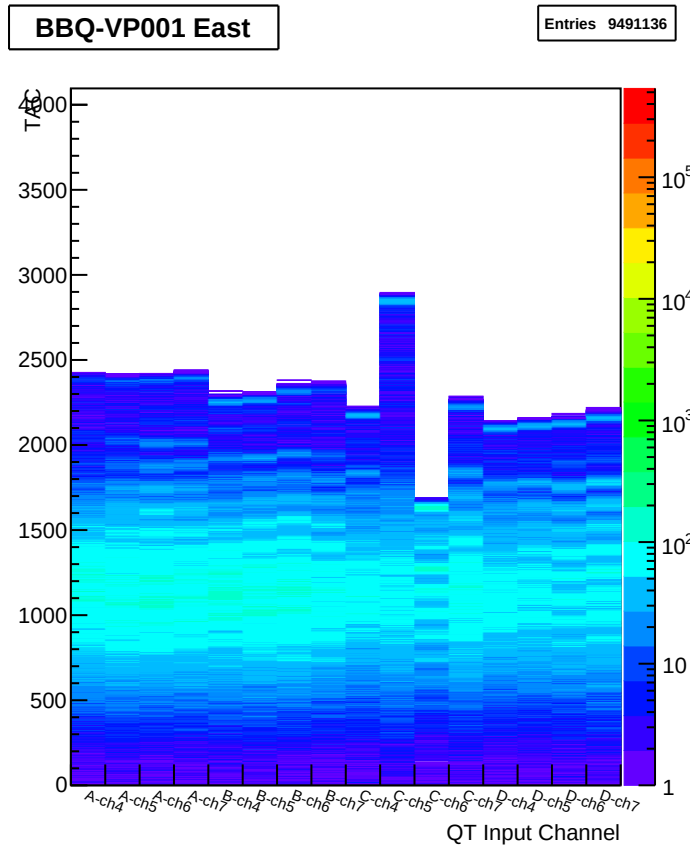

BBQ-BB002 (BBC west small tiles ADC)
Entries 9491136
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

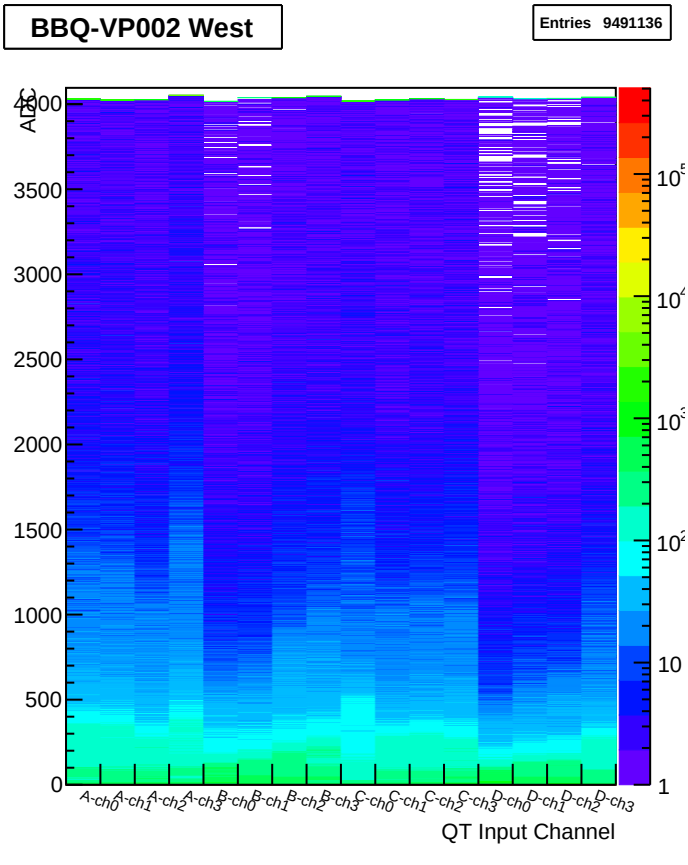

BBQ-BB002 (BBC west small tiles TAC)
Entries 9491136
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

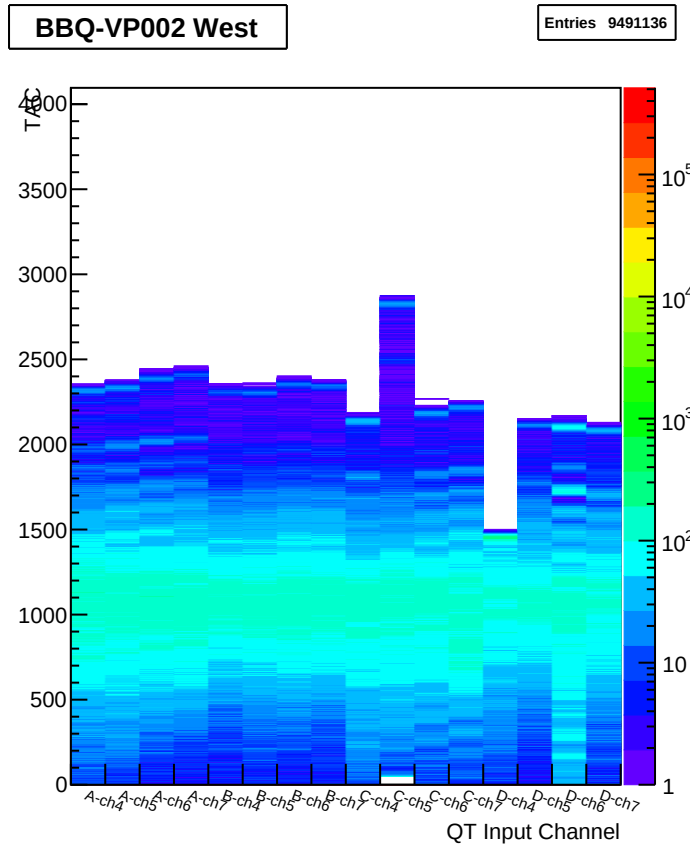

BBQ-ZD001 (ZDC TOWER)
Entries 9491136
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

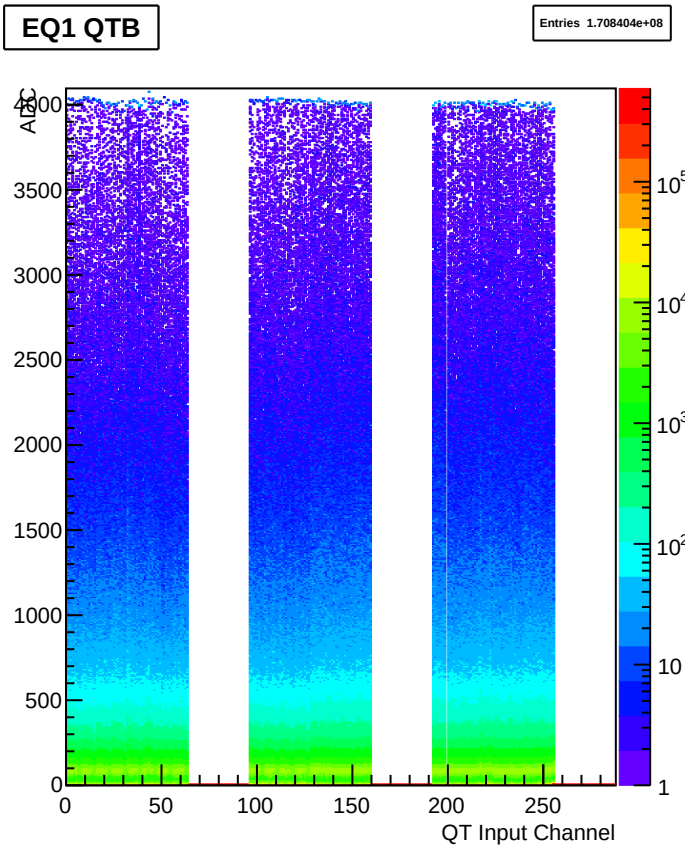

BBQ-ZD001 (ZDC TOWER)
Entries 9491136
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

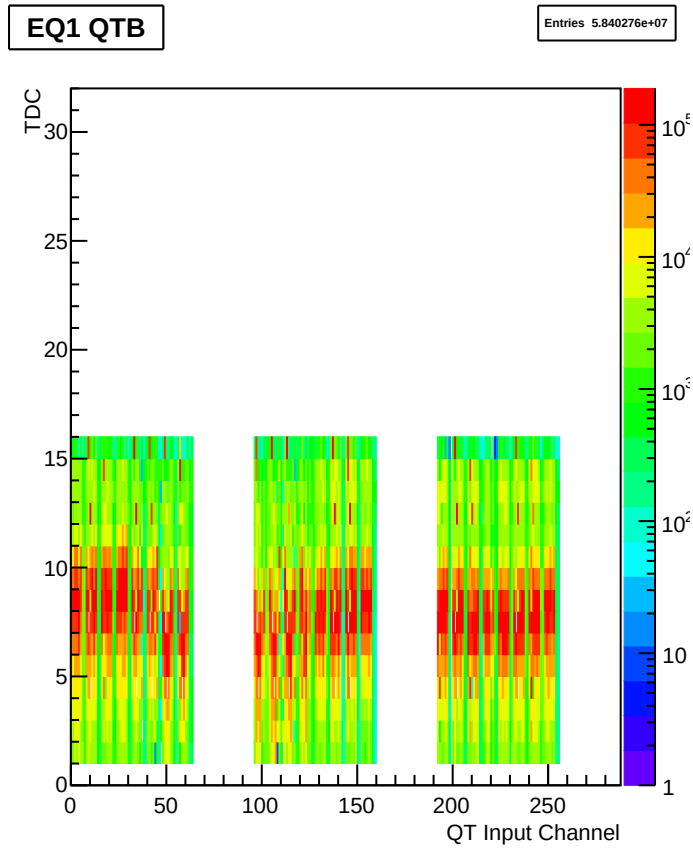

BBQ-VP001 East
Entries 9491136
ADC
QT Input Channel

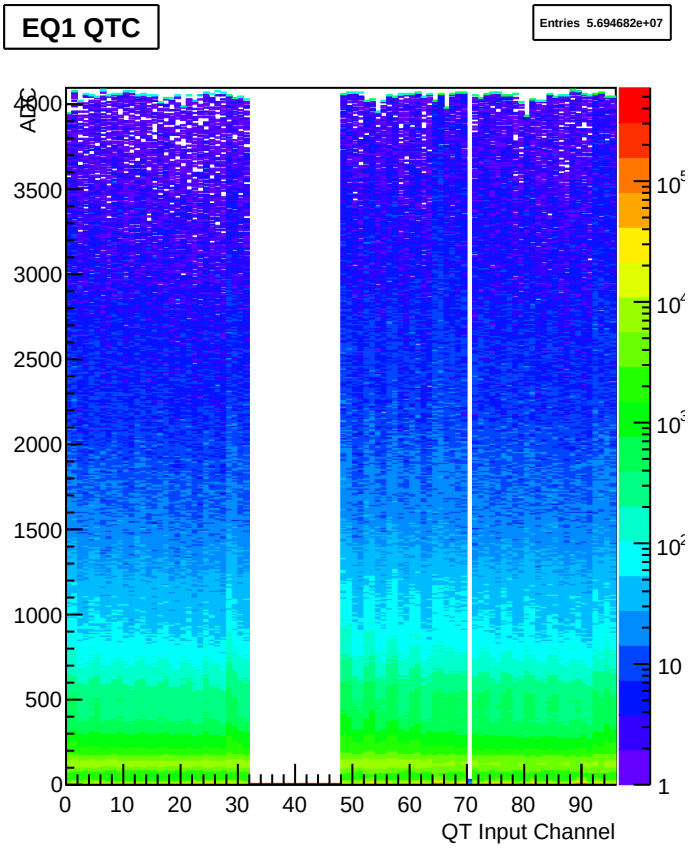

BBQ-VP001 East
Entries 9491136
TADC
QT Input Channel

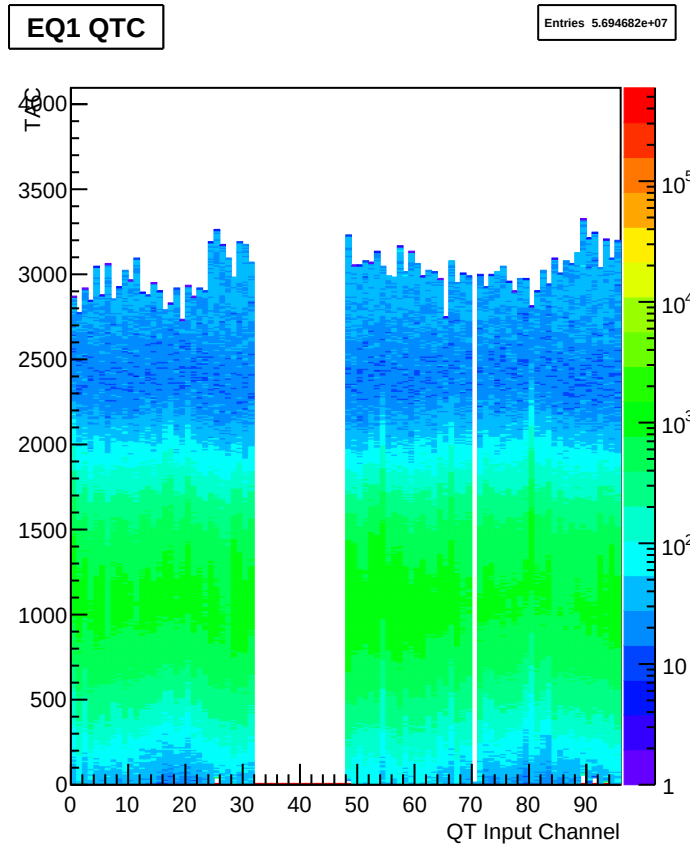

BBQ-VP002 West
Entries 9491136
ADC
QT Input Channel

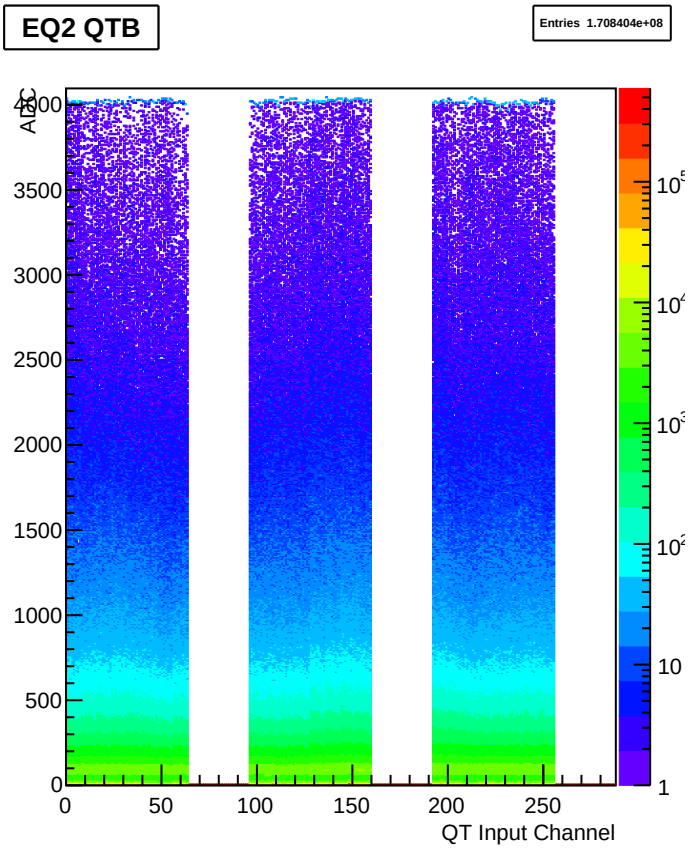

BBQ-VP002 West
Entries 9491136
TADC
QT Input Channel

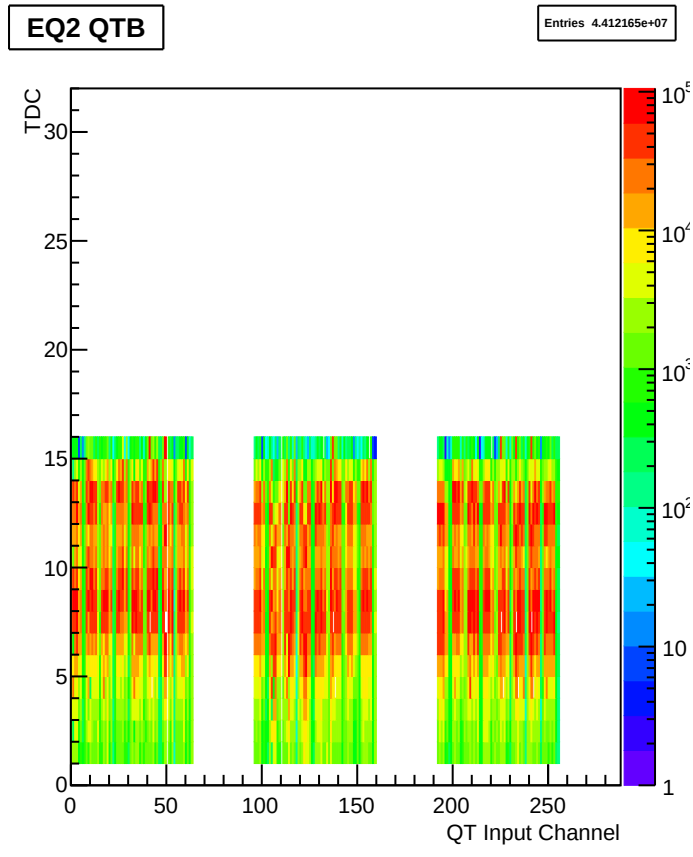

EQ1 QTB
Entries 1.708404e+08
ADC
QT Input Channel

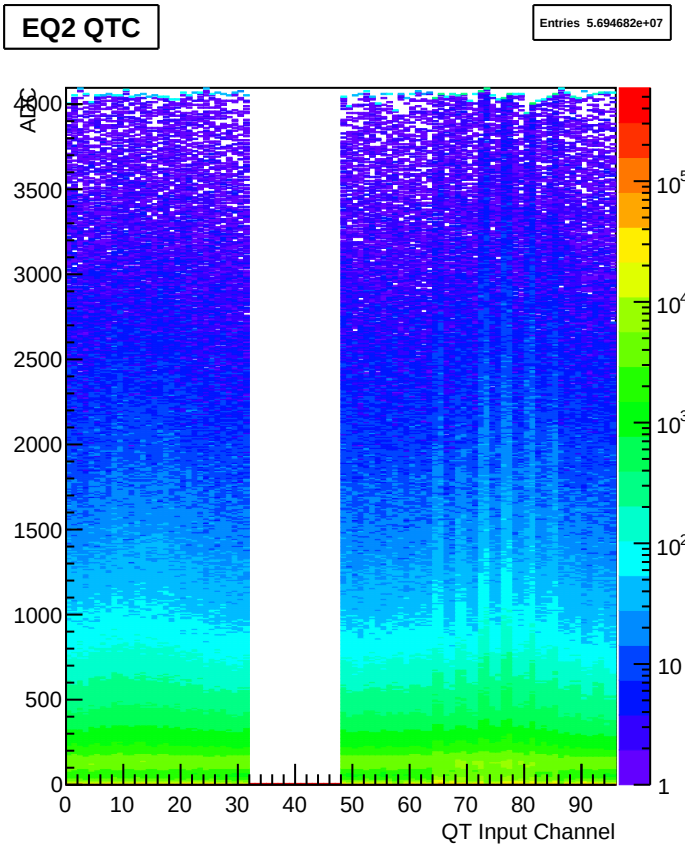

EQ1 QTB
Entries 5.840276e+07
TDC
QT Input Channel

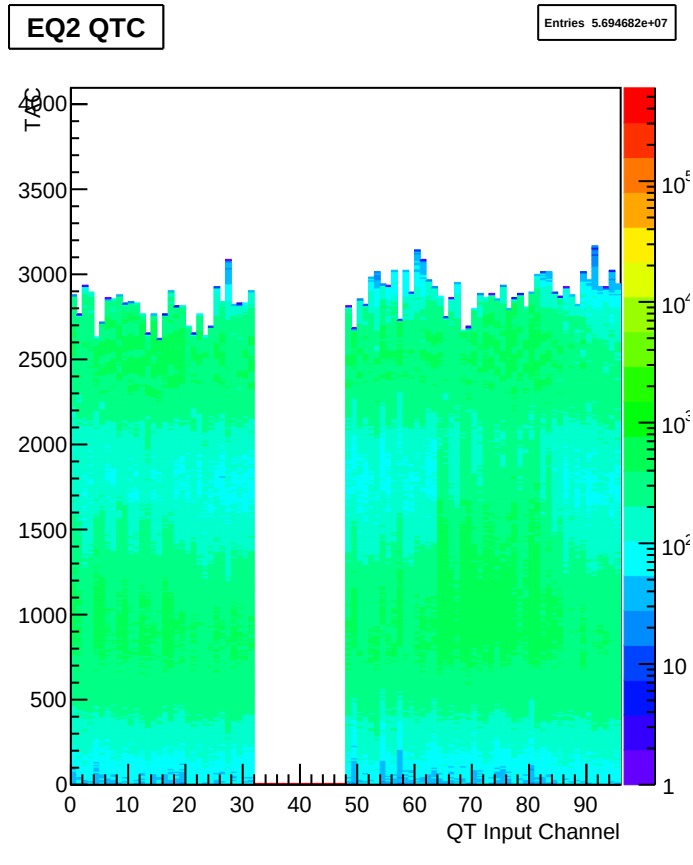

EQ1 QTC
Entries 5.694682e+07
ADC
QT Input Channel

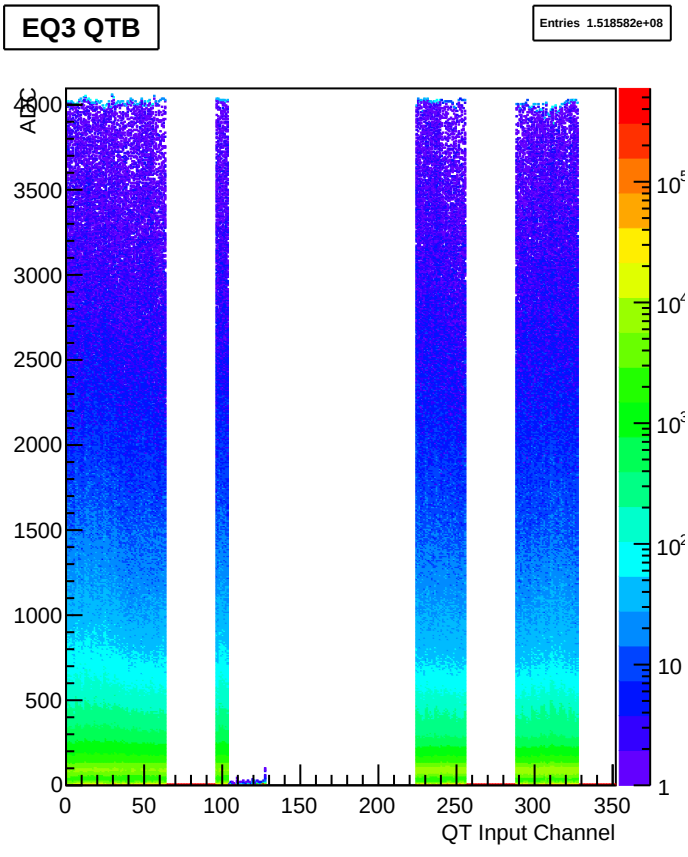

EQ1 QTC
Entries 5.694682e+07
TADC
QT Input Channel

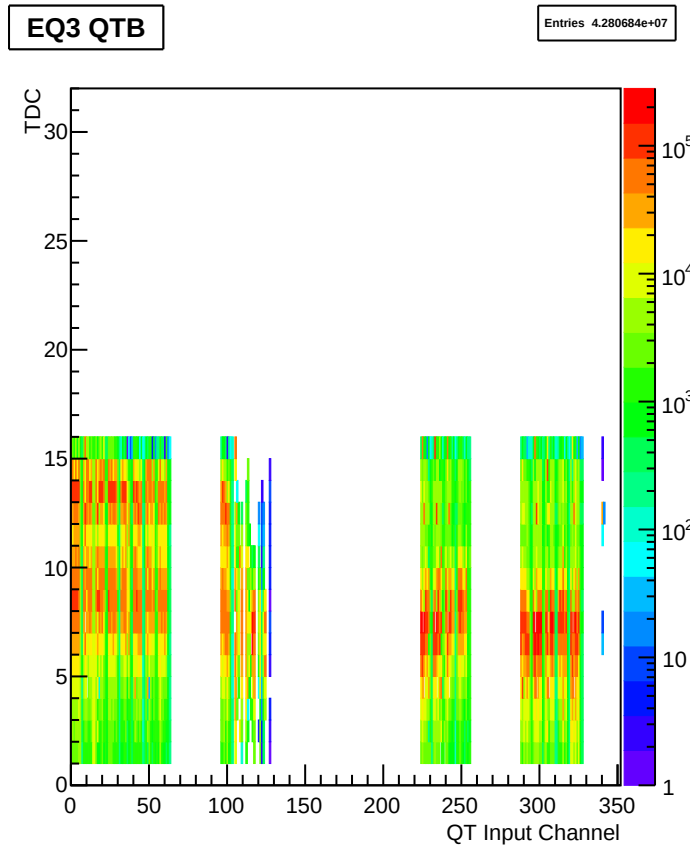

EQ2 QTB
Entries 1.708404e+08
ADC
QT Input Channel

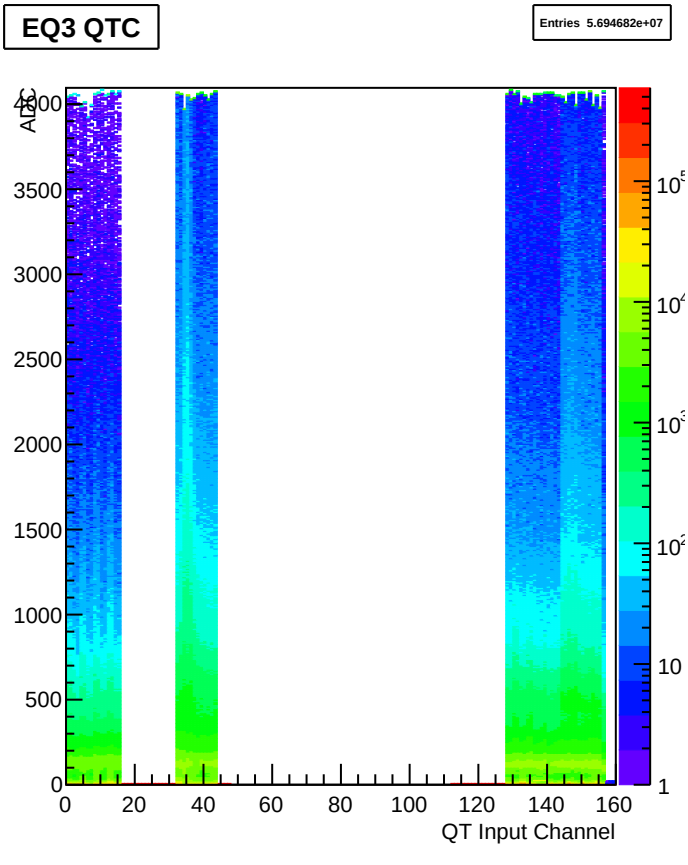

EQ2 QTB
Entries 4.412165e+07
TDC
QT Input Channel

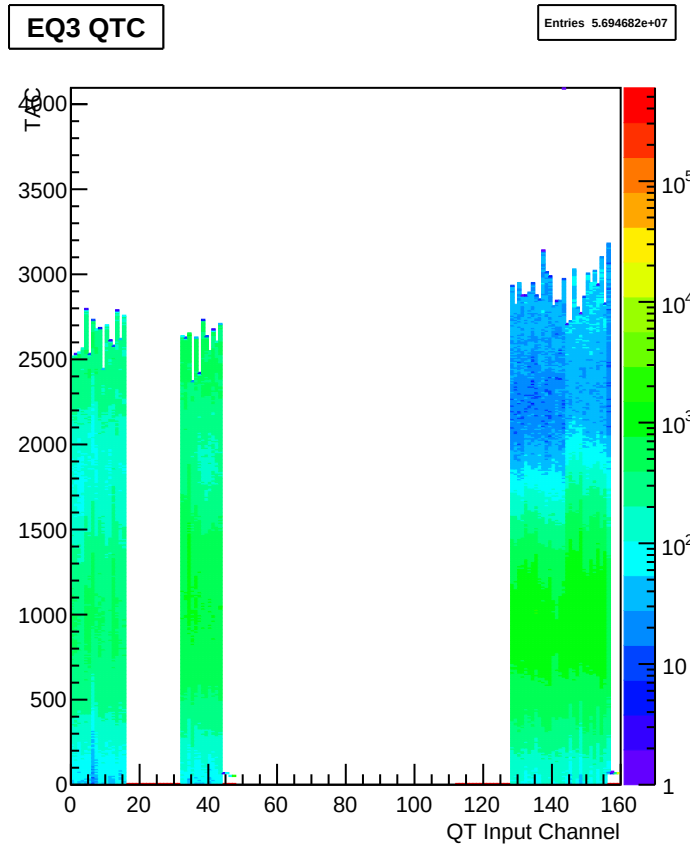

EQ2 QTC
Entries 5.694682e+07
ADC
QT Input Channel

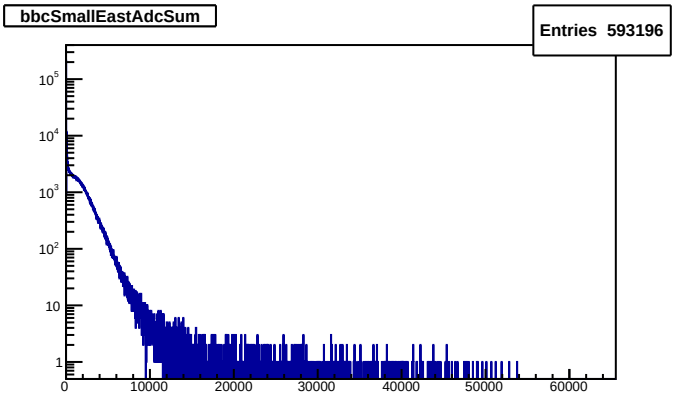

EQ2 QTC
Entries 5.694682e+07
TADC
QT Input Channel

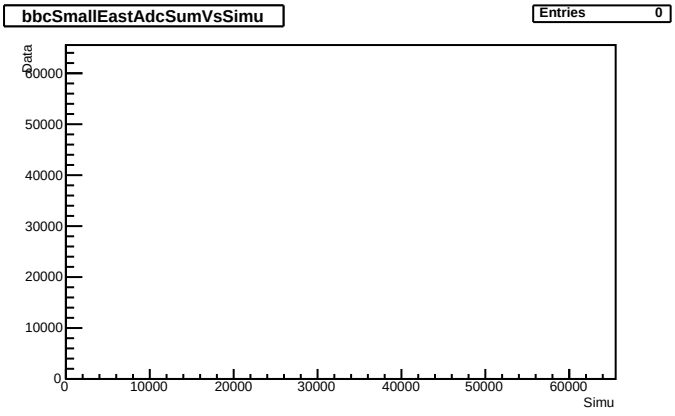

EQ3 QTB
Entries 1.518582e+08
ADC
QT Input Channel

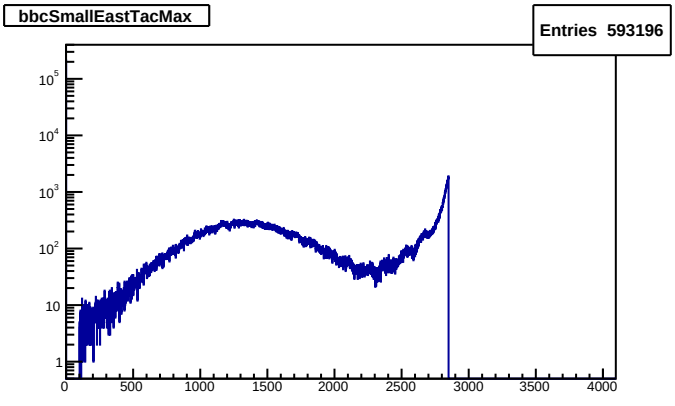

EQ3 QTB
Entries 4.280684e+07
TDC
QT Input Channel

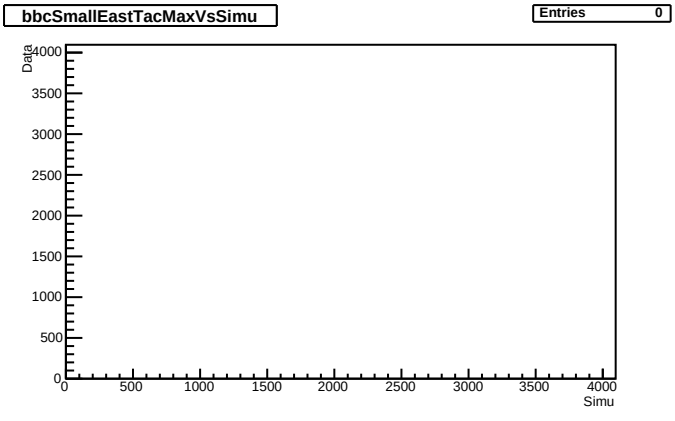

EQ3 QTC
Entries 5.694682e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.694682e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 593196


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 593196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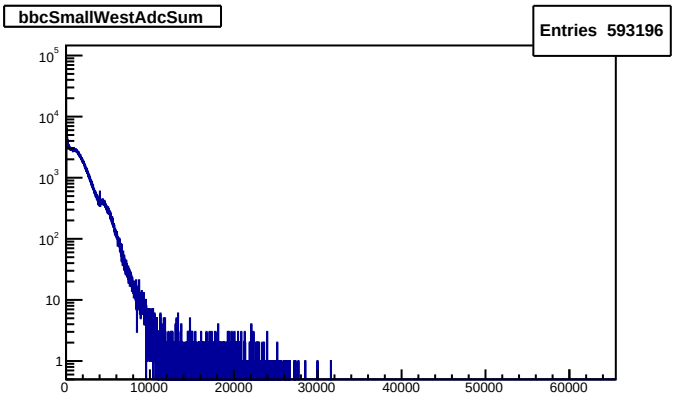
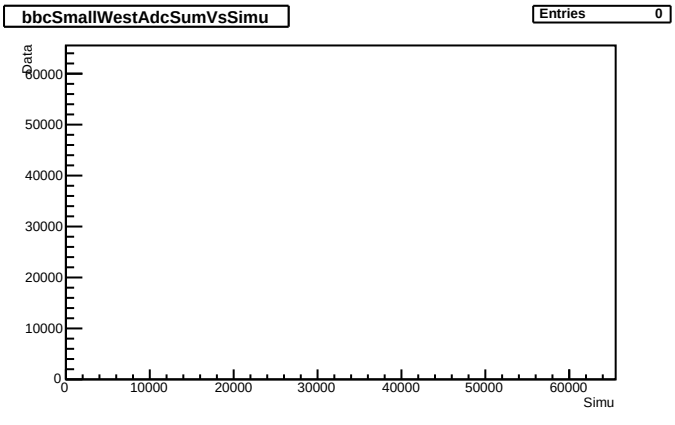
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 593196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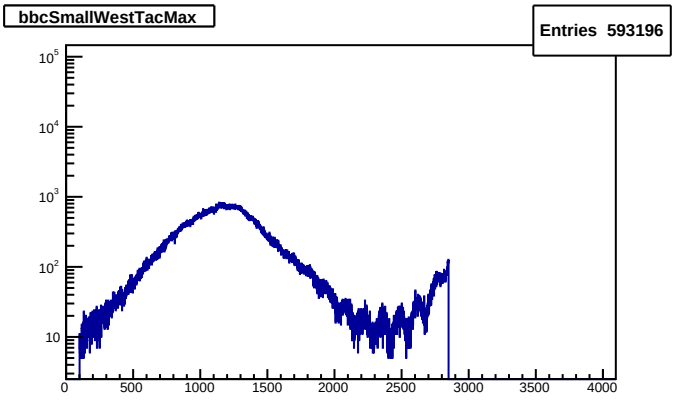
Entries 0
Data
Simu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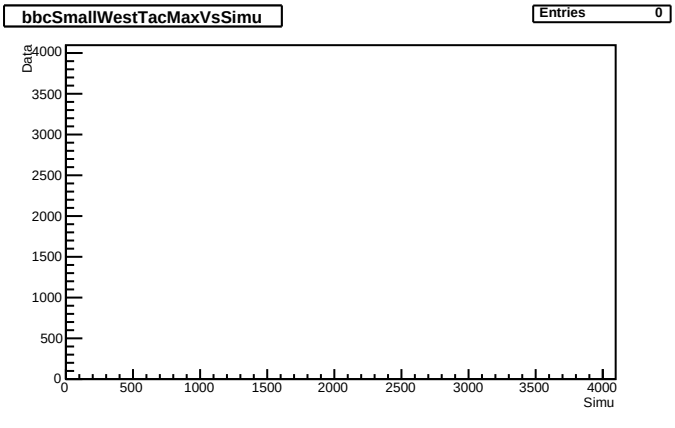
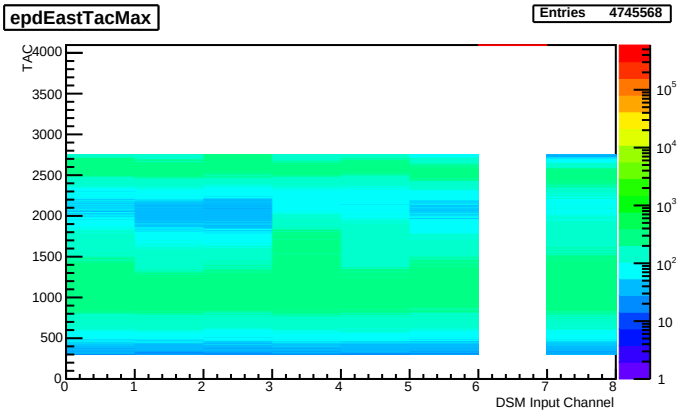
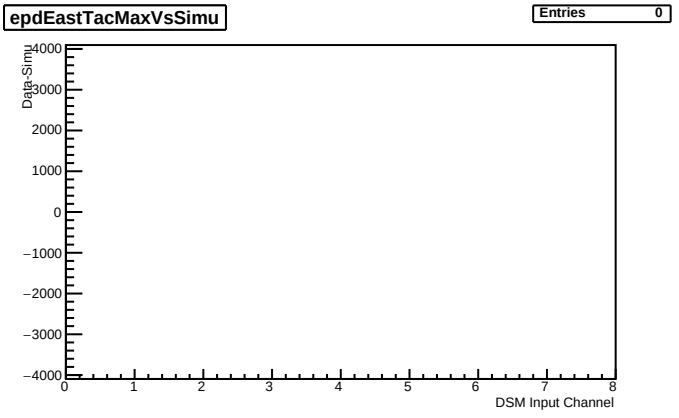
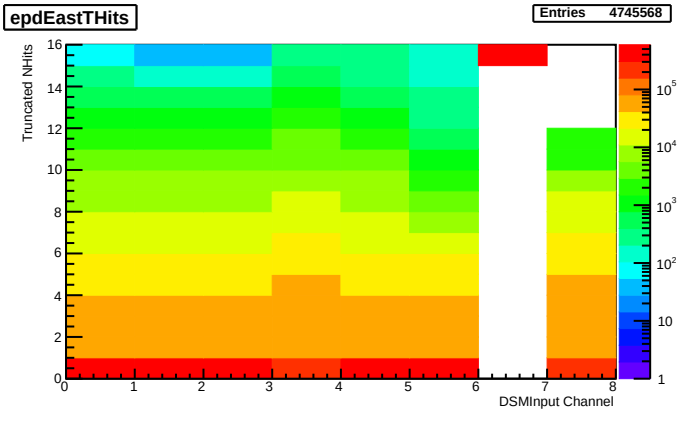
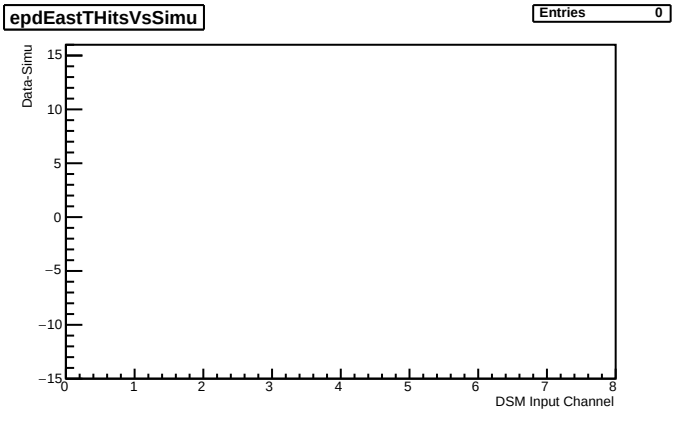
Entries 593196


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4745568
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4745568
Truncated NHits
DSMInput Channel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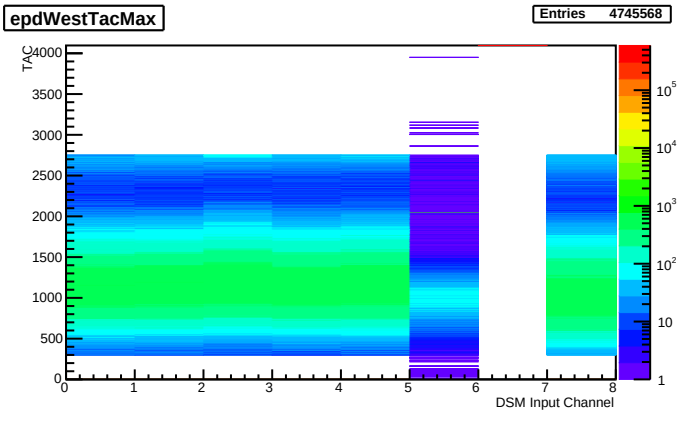
Data-Simu
DSM Input Channel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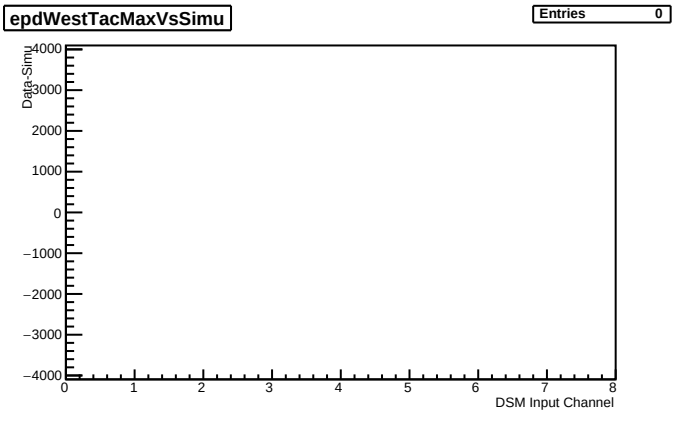
Entries 4745568
TAC
DSM Input Channel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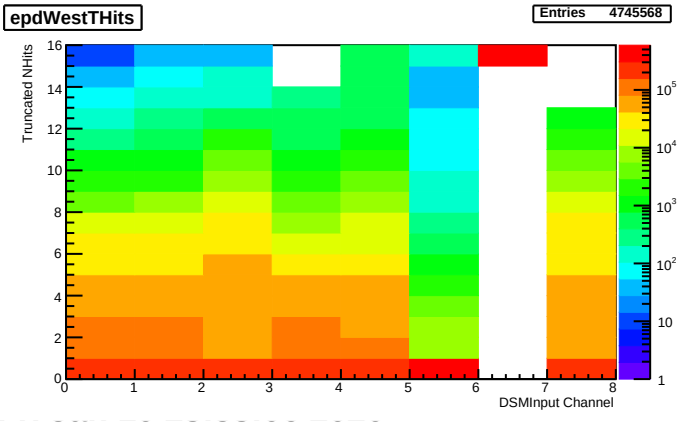
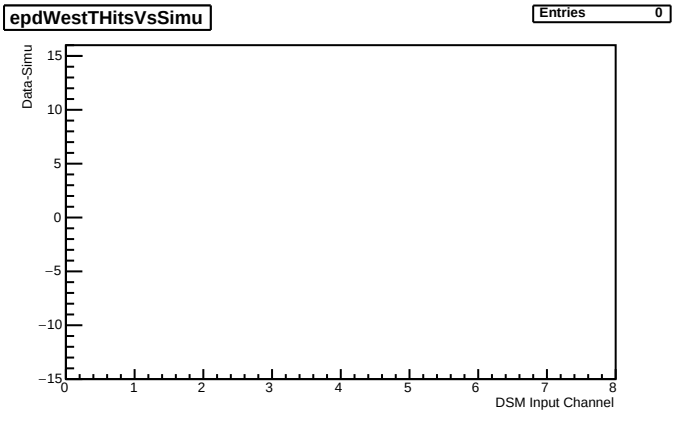
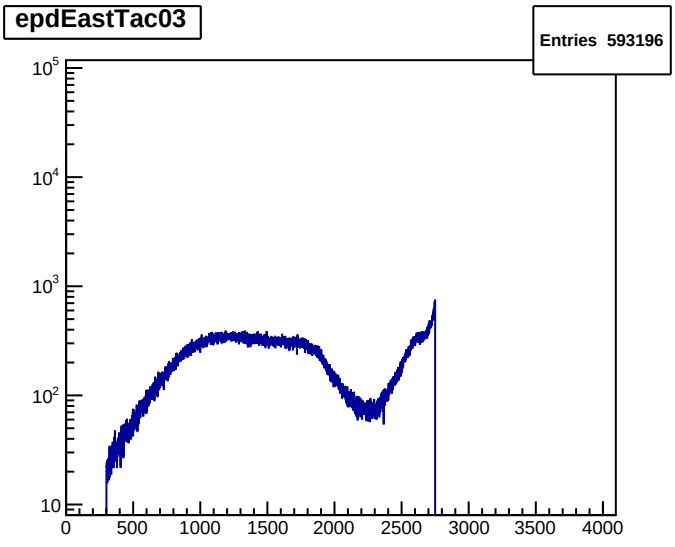
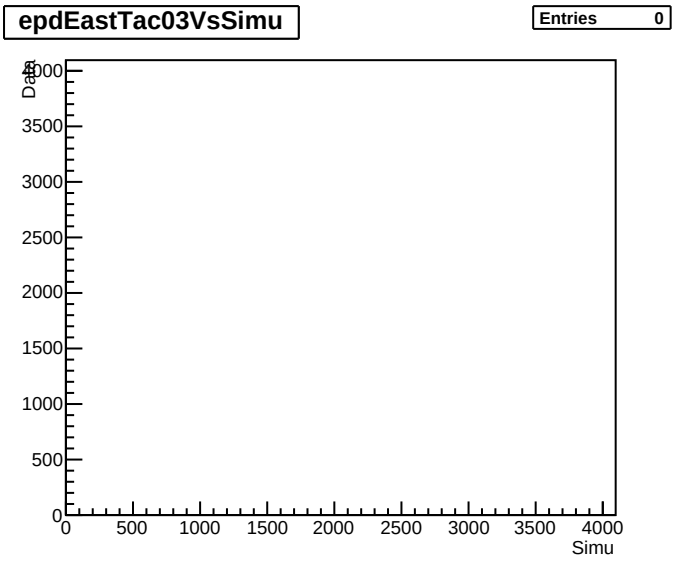
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4745568
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 593196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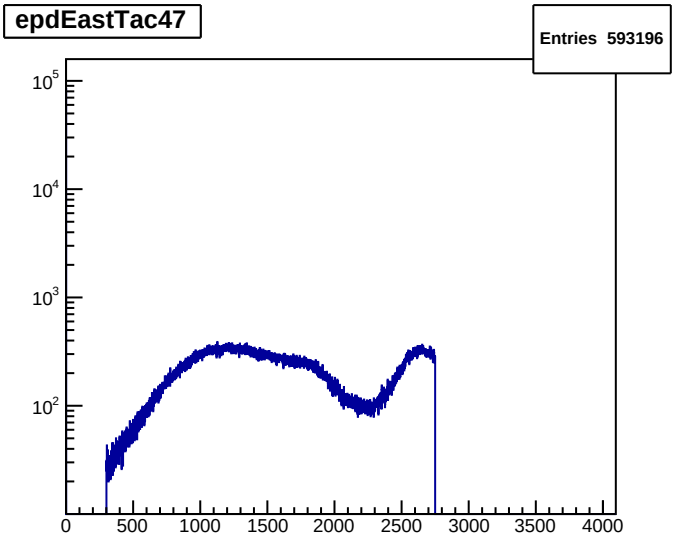
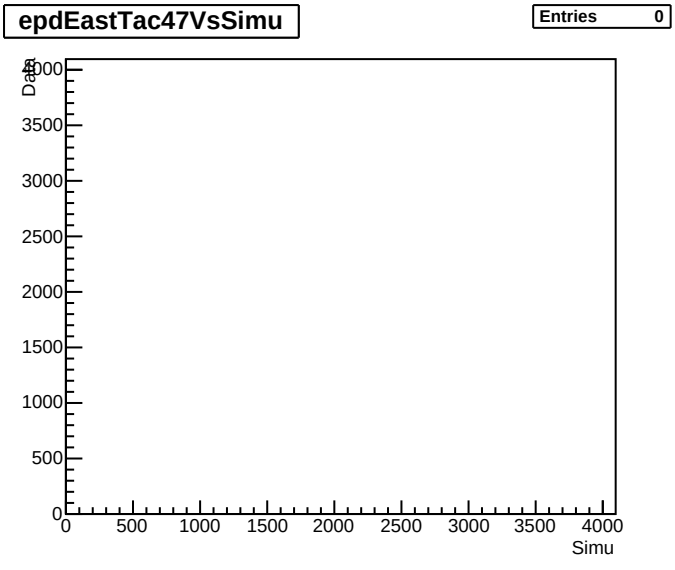
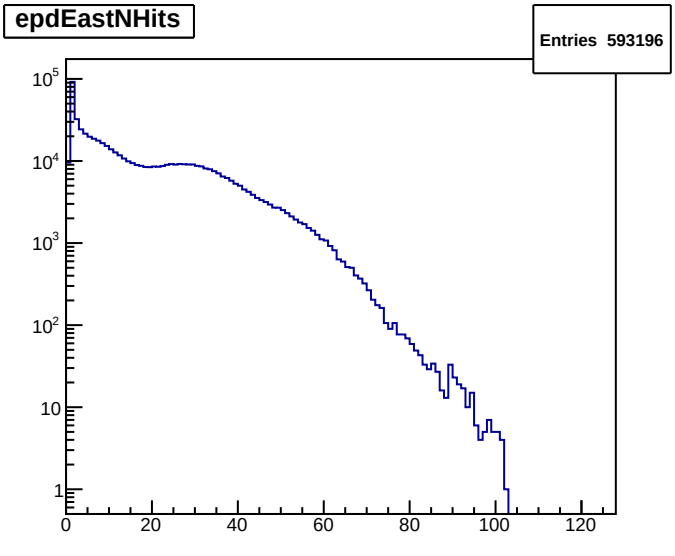
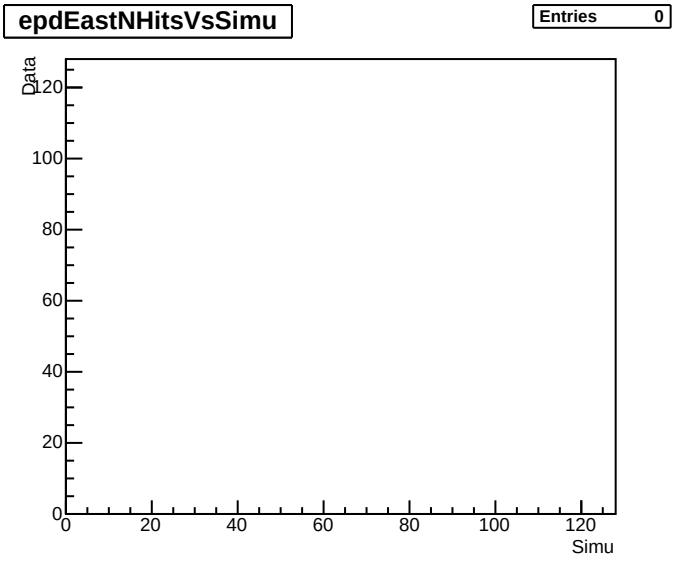
Entries 0
Data
Simu


epdEastTac47
Entries 593196


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 593196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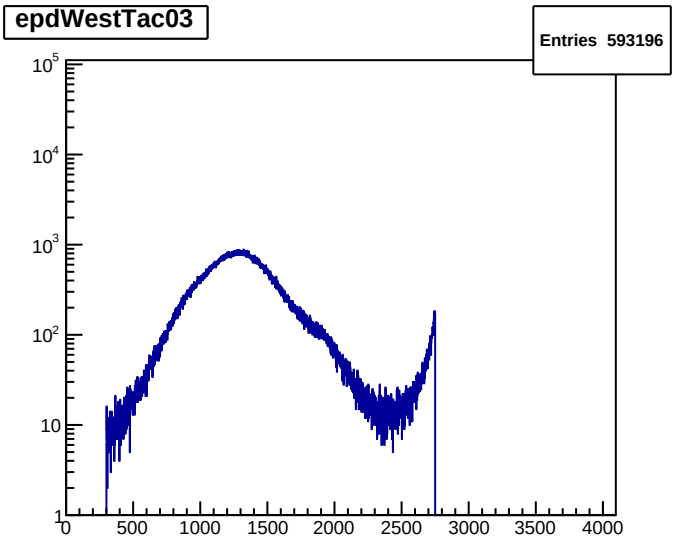
Entries 0
Data
Simu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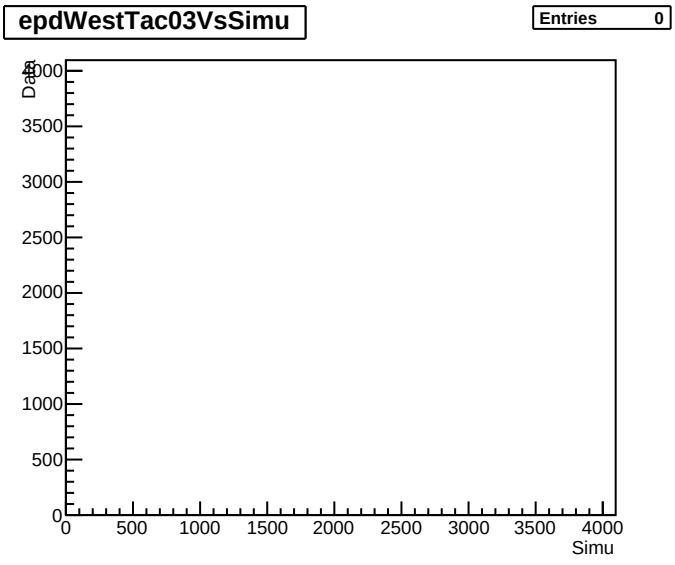
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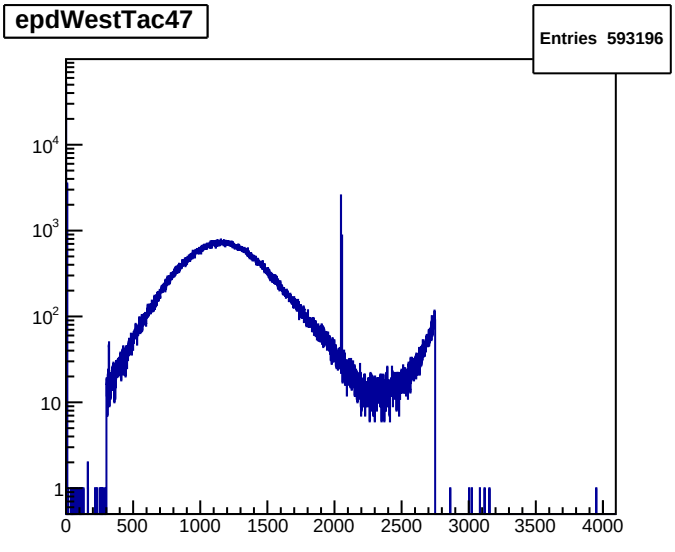
Entries 0
Data
Simu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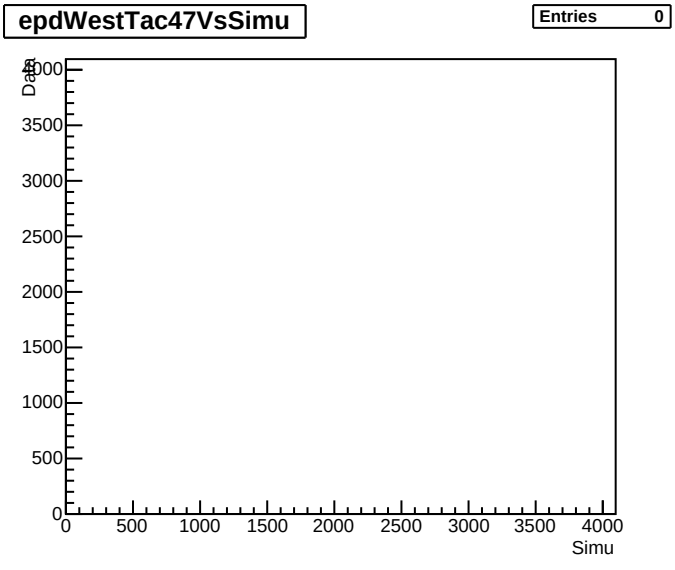
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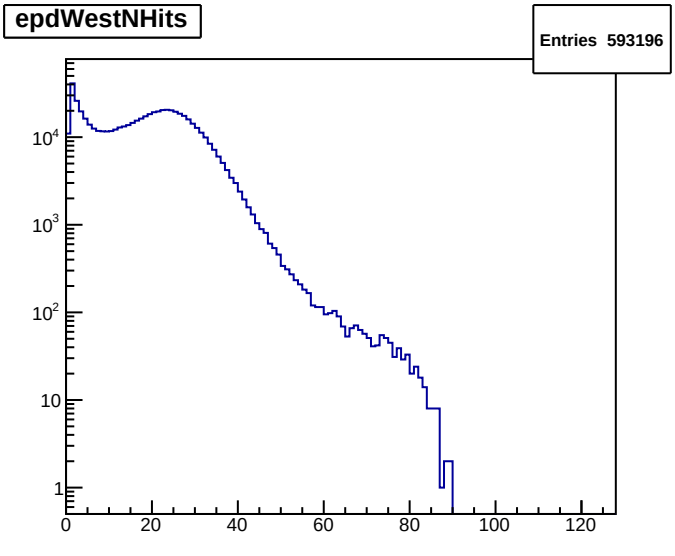
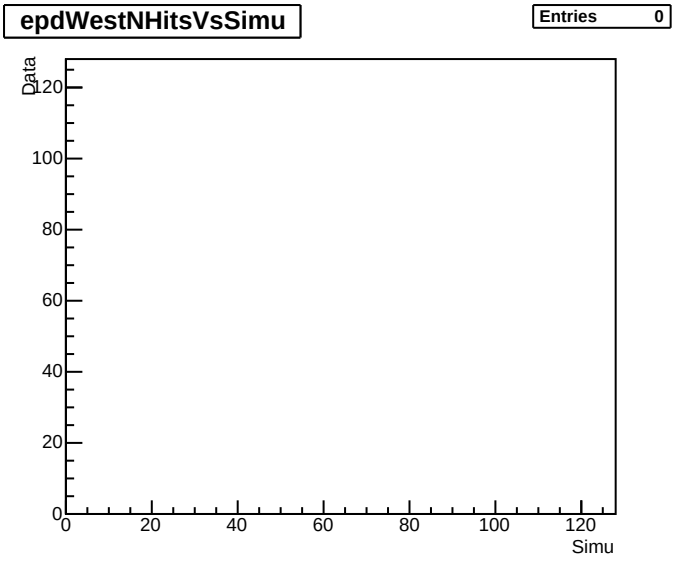
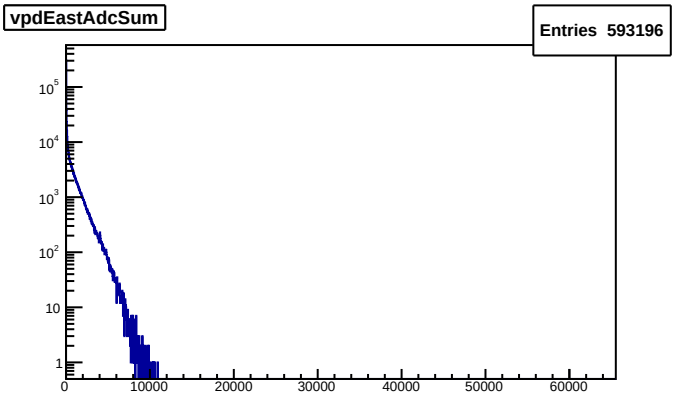
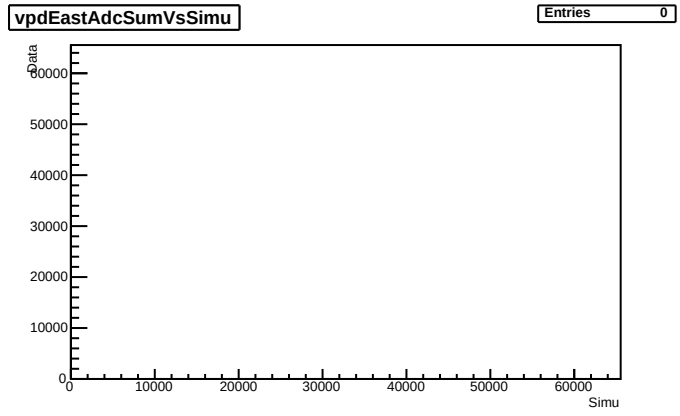
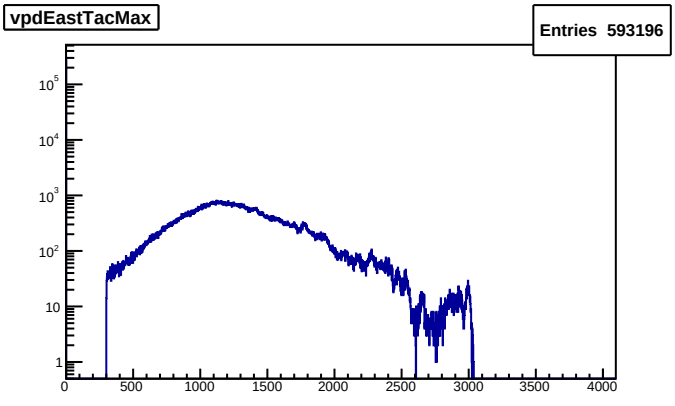
Entries 0
Data
Simu

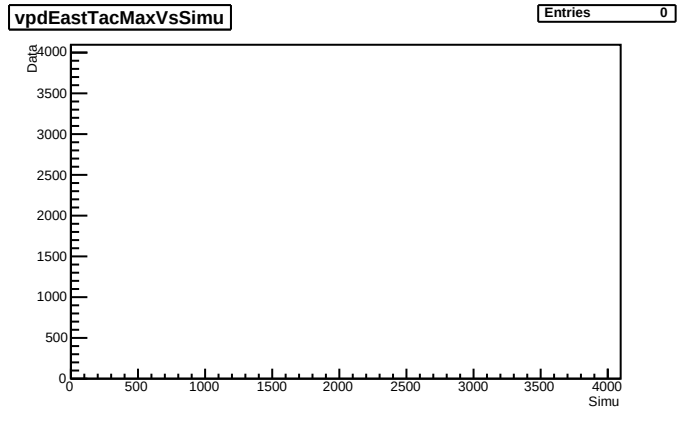

epdWestNHits
Entries 593196


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 593196


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 593196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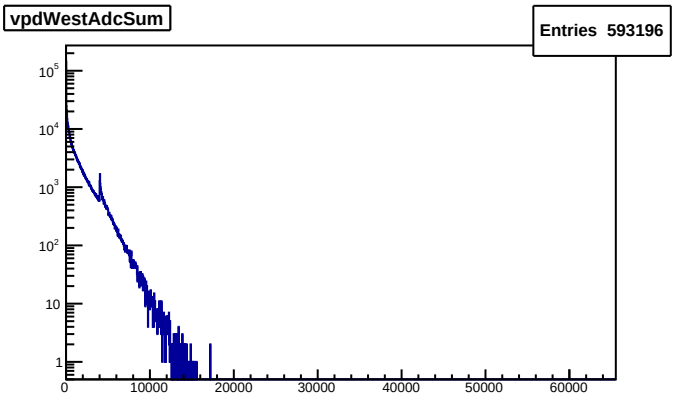
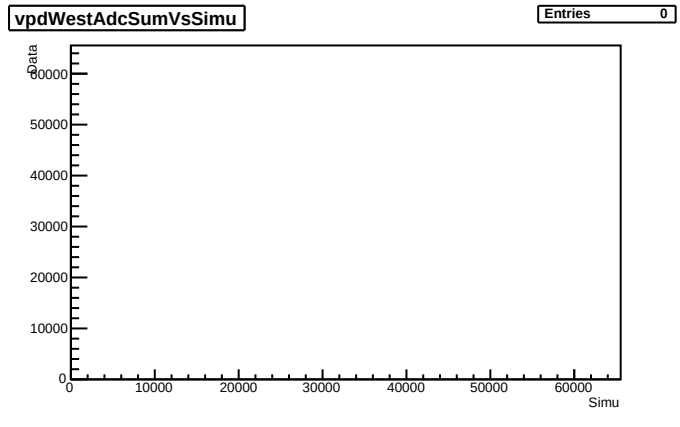
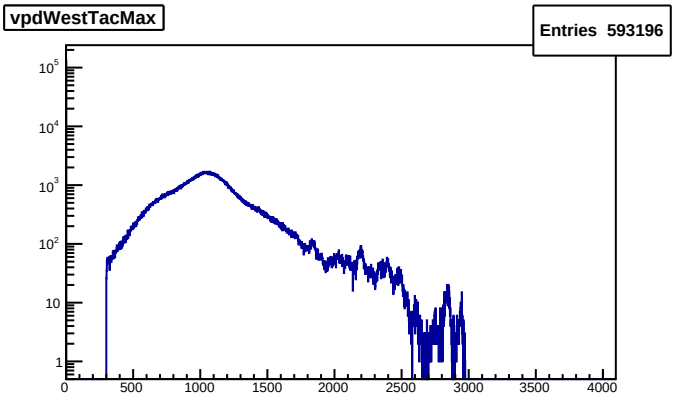
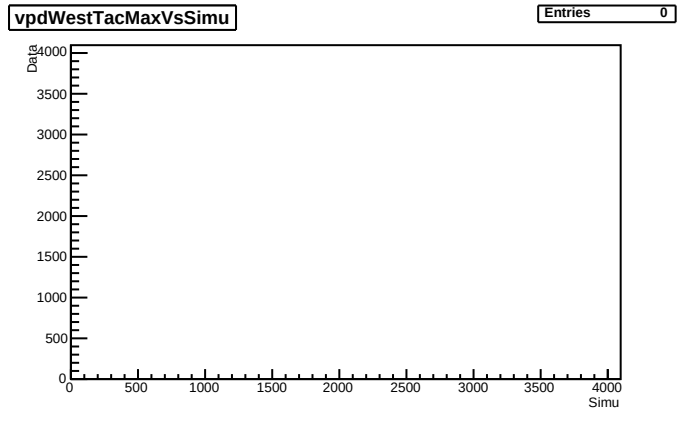
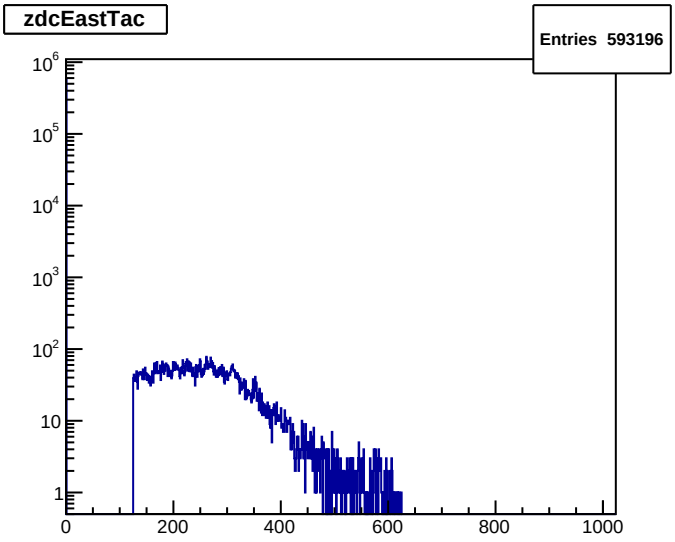
Entries 0
Data
Simu

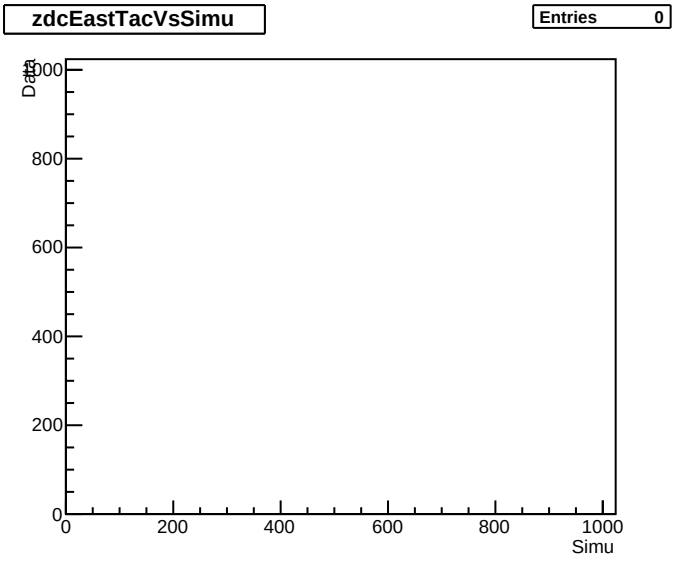

vpdWestAdcSum
Entries 593196

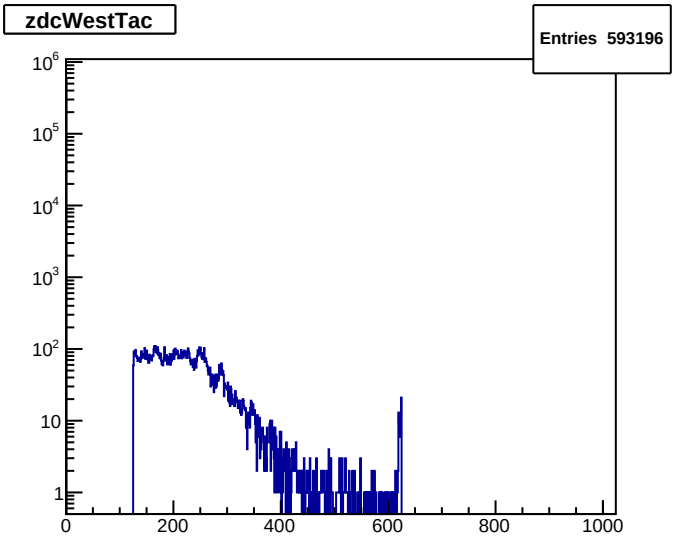

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

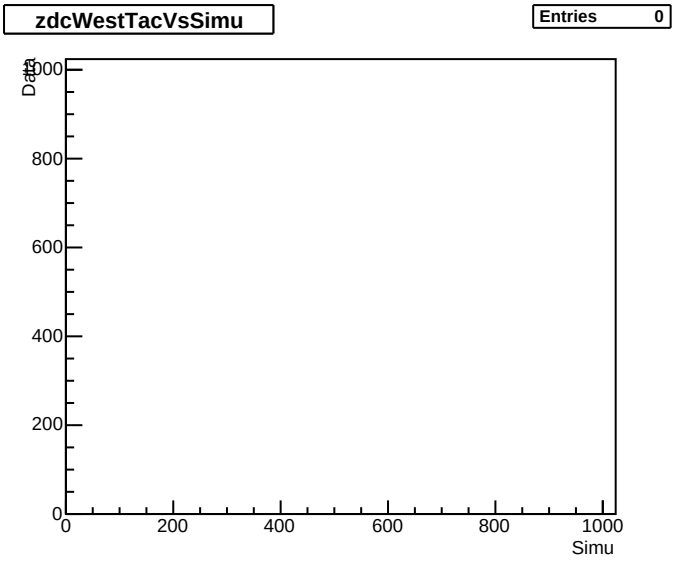

vpdWestTacMax
Entries 593196

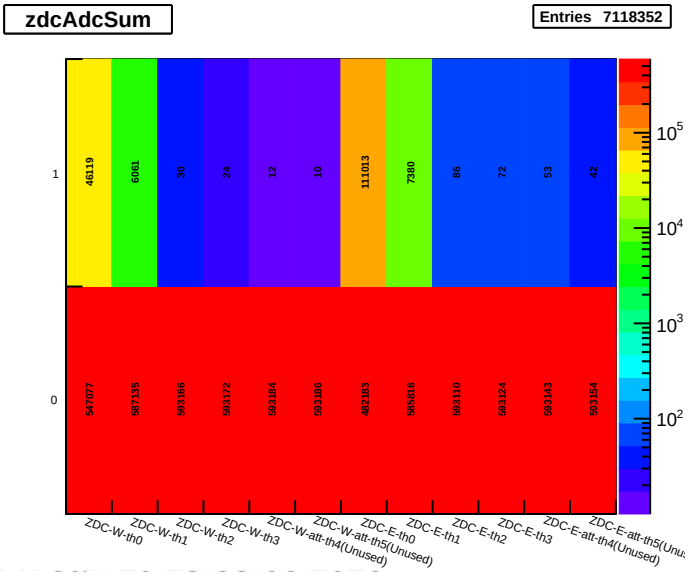

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

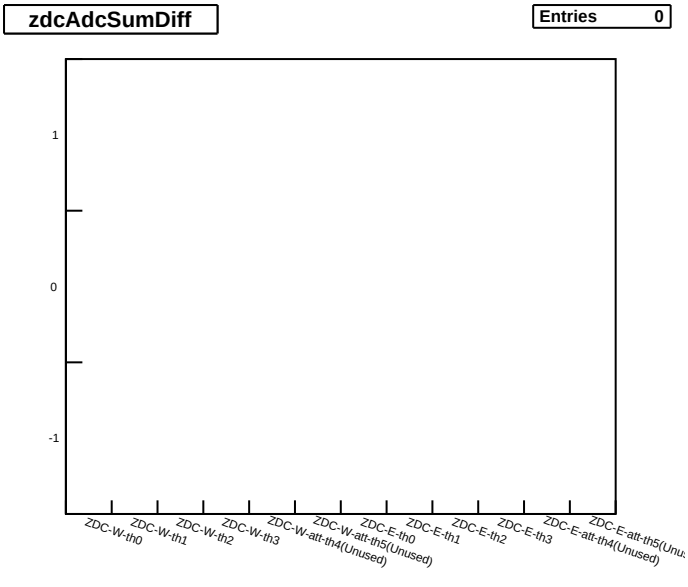

zdcEastTac
Entries 593196

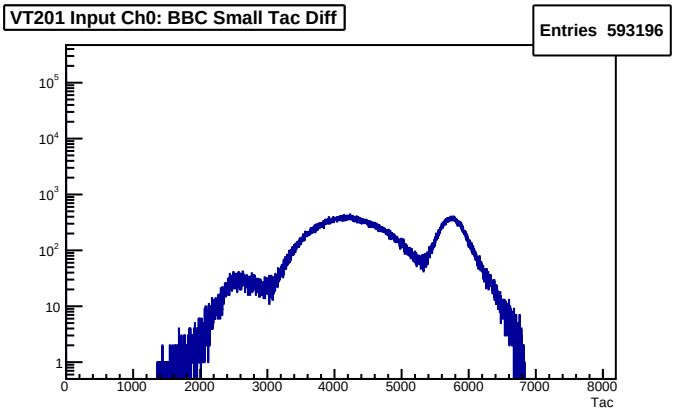

zdcEastTacVsSimu
Entries 0
Data
Simu

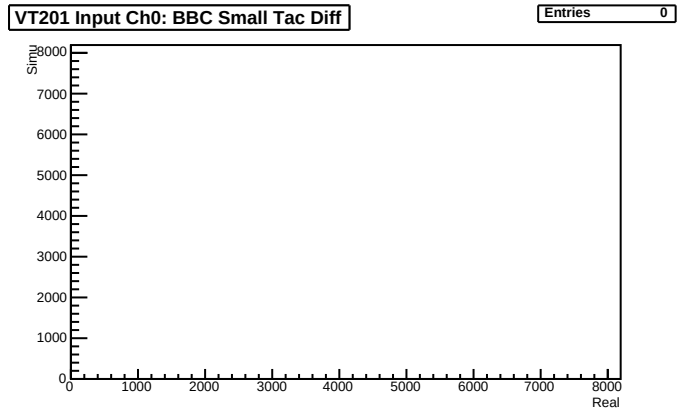

zdcWestTac
Entries 593196

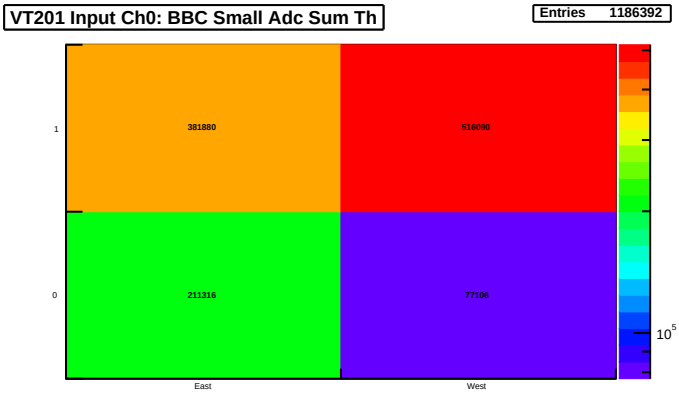

zdcWestTacVsSimu
Entries 0
Data
Simu

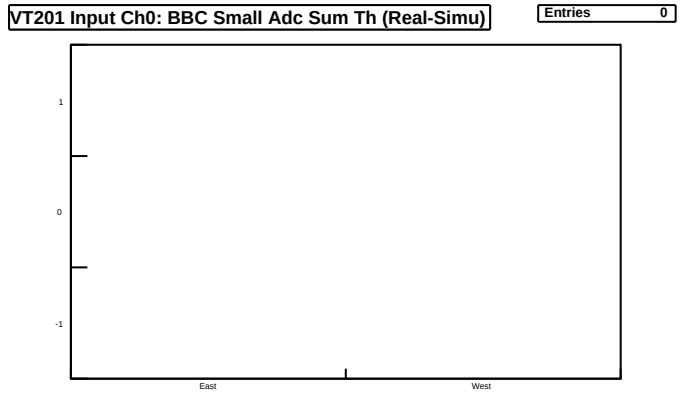

zdcAdcSum
Entries 7118352
46119
6061
30
24
12
10
111013
7380
86
72
53
42
547077
537135
593166
593172
593184
593186
482183
585816
593110
593124
593143
593154
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

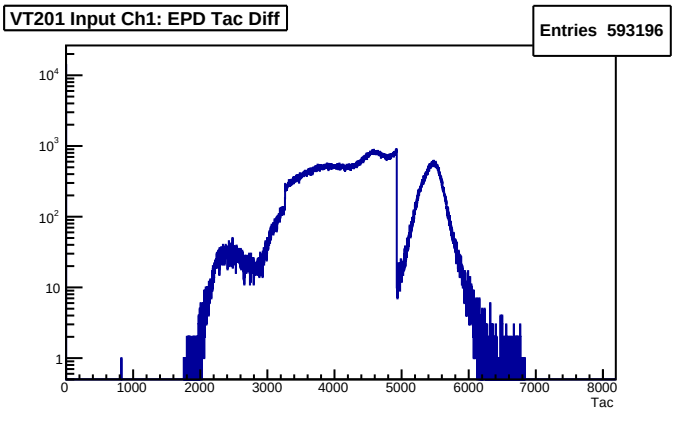

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

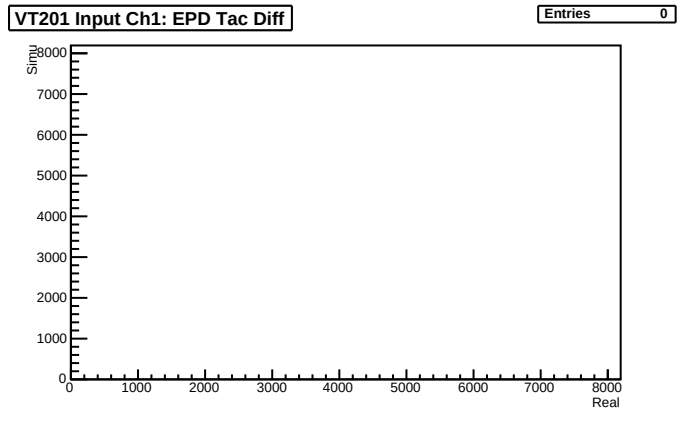

VT201 Input Ch0: BBC Small Tac Diff
Entries 593196
Tac

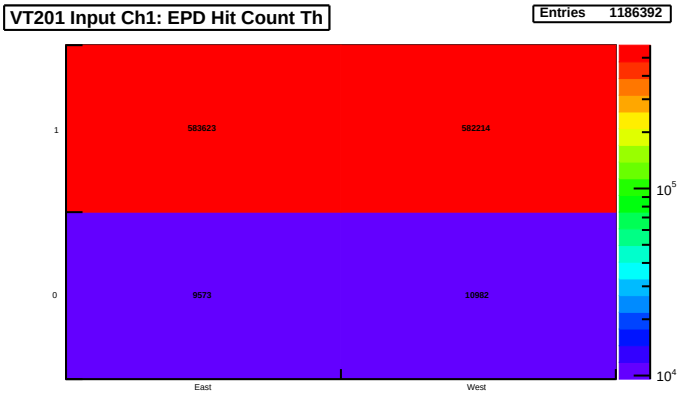

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

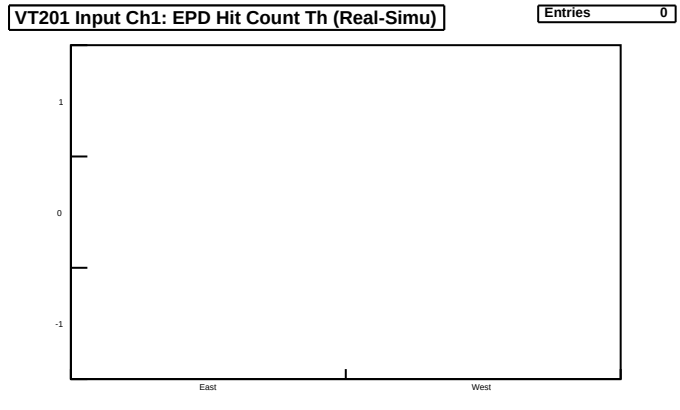

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1186392
381880
516090
211316
77106
East
West

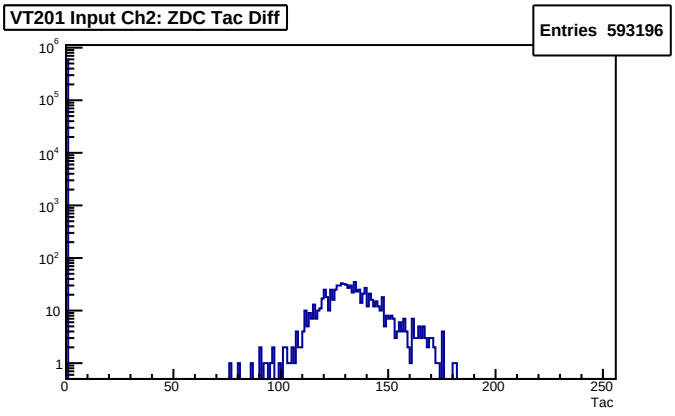

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

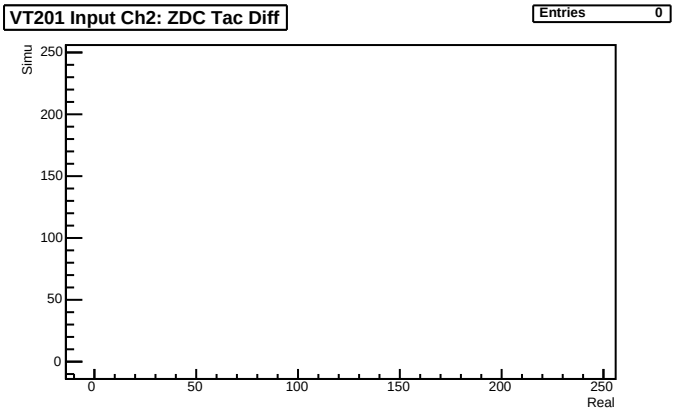

VT201 Input Ch1: EPD Tac Diff
Entries 593196
Tac

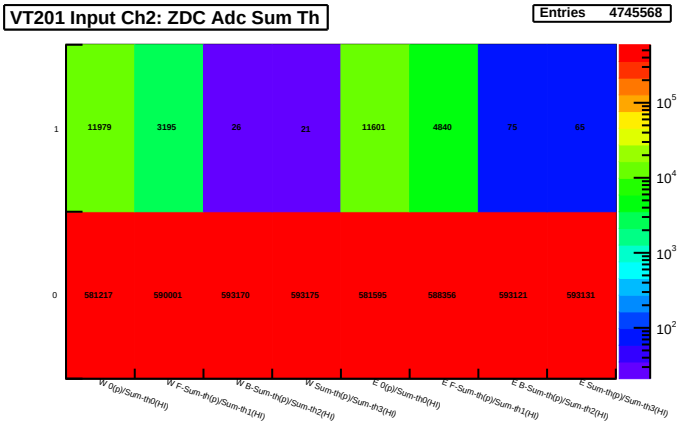

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

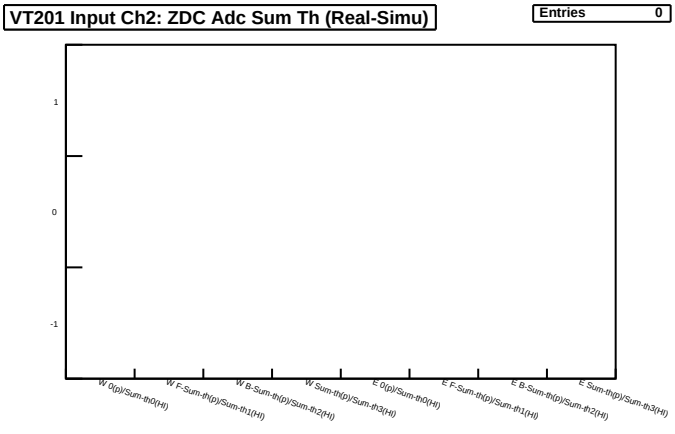

VT201 Input Ch1: EPD Hit Count Th
Entries 1186392
583623
582214
9573
10982
East
West

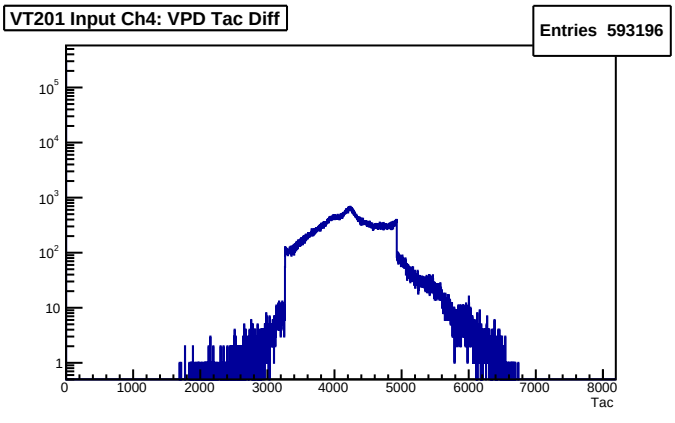

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

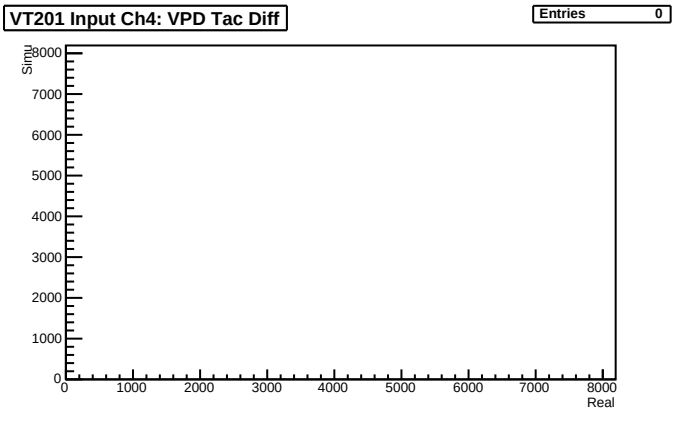

VT201 Input Ch2: ZDC Tac Diff
Entries 593196
Tac

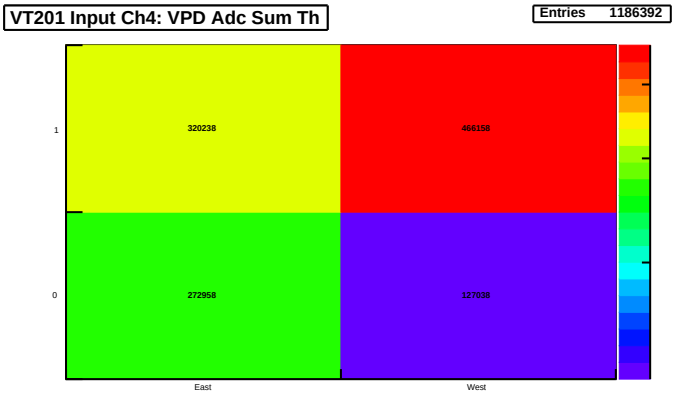

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

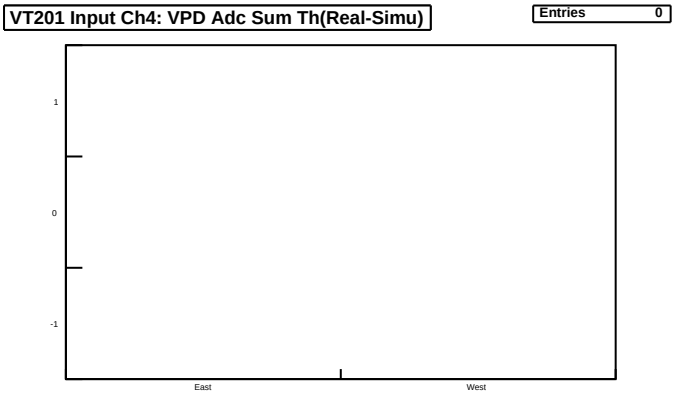

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4745568
11979
3195
26
21
11601
4840
75
65
581217
590001
593170
593175
581595
588356
593121
593131
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

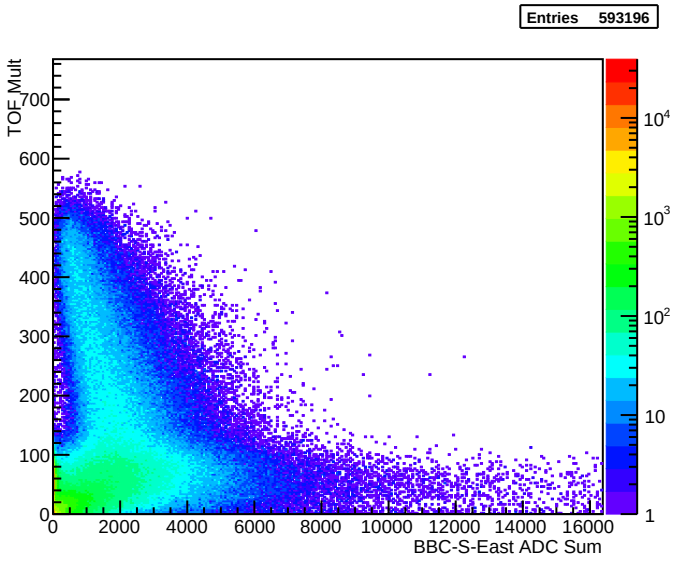

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

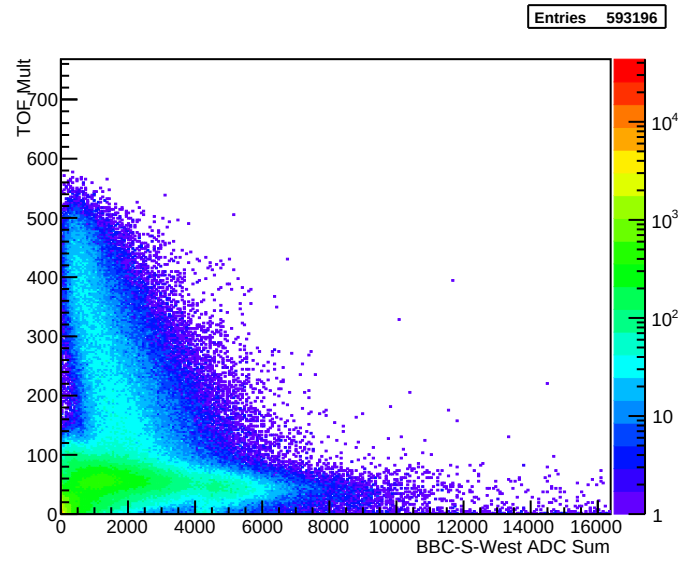

VT201 Input Ch4: VPD Tac Diff
Entries 593196
Tac

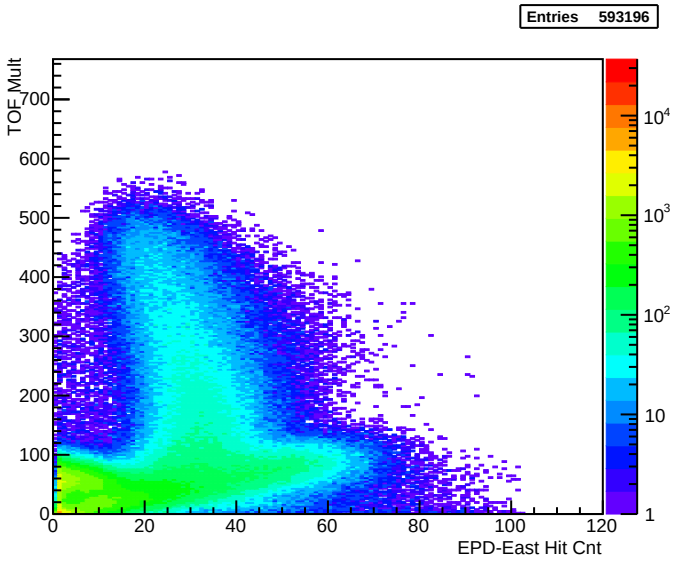

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

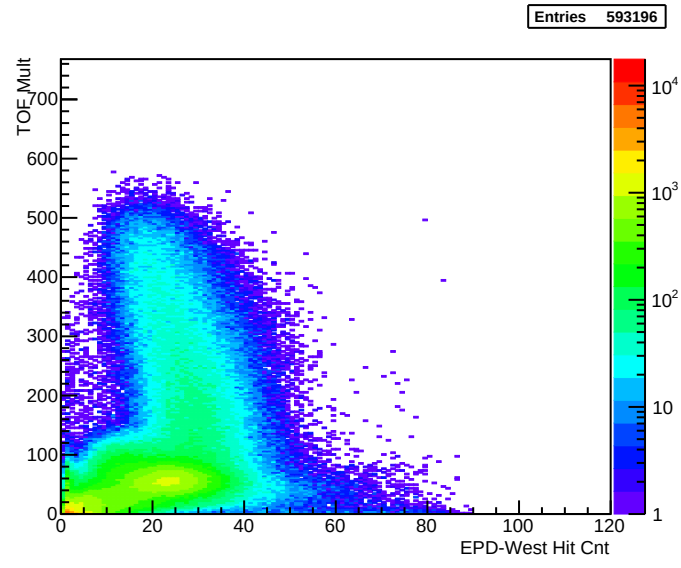

VT201 Input Ch4: VPD Adc Sum Th
Entries 1186392
320238
466158
272958
127038
East
West

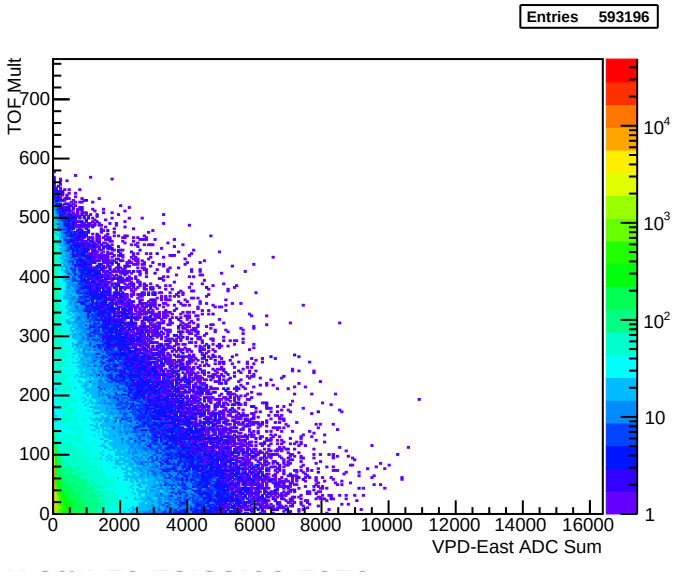

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

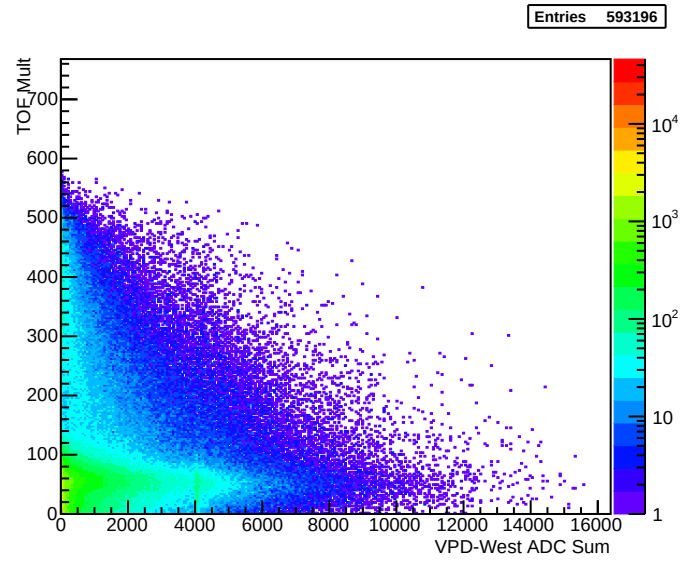

Entries 593196
TOF_Mult
BBC-S-East ADC Sum

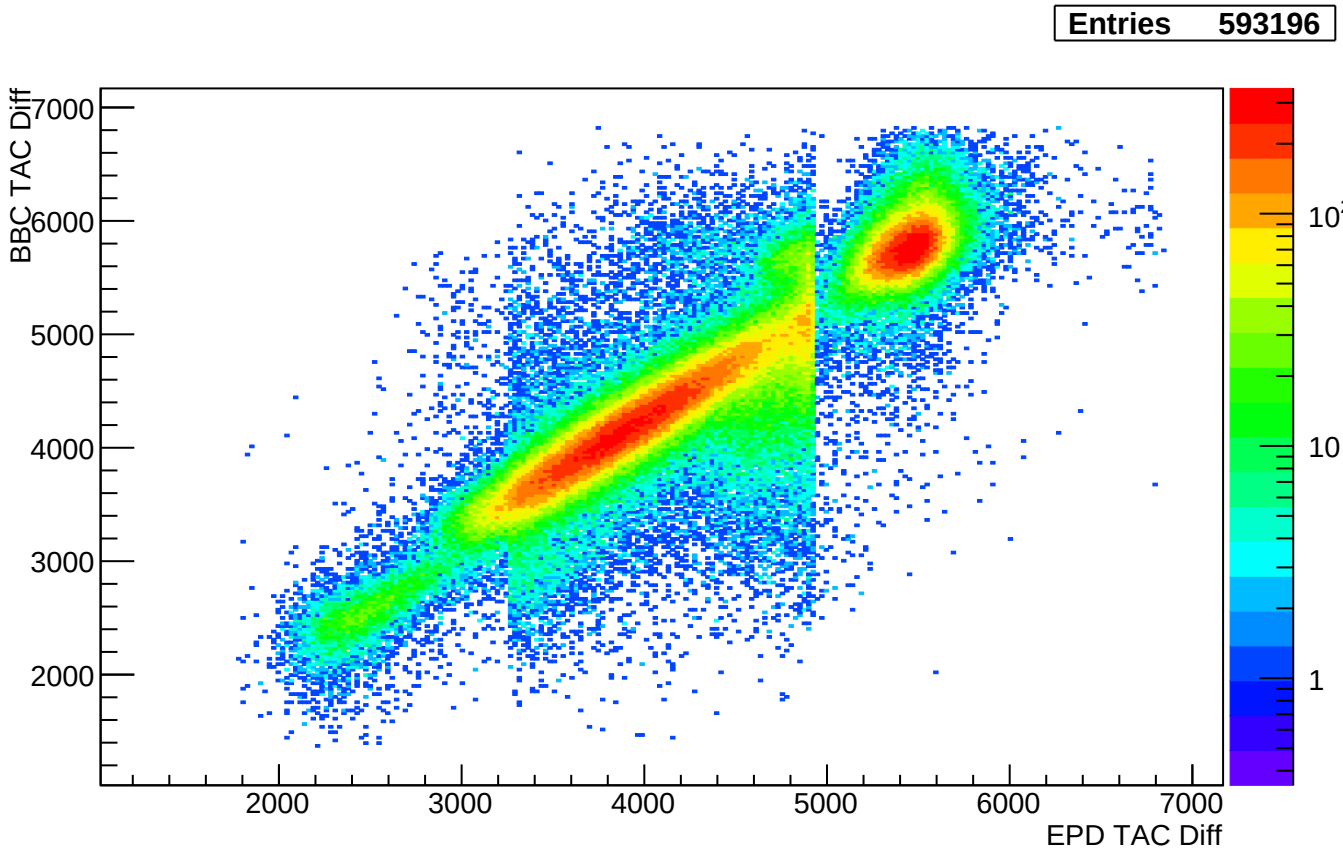

Entries 593196
TOF_Mult
BBC-S-West ADC Sum

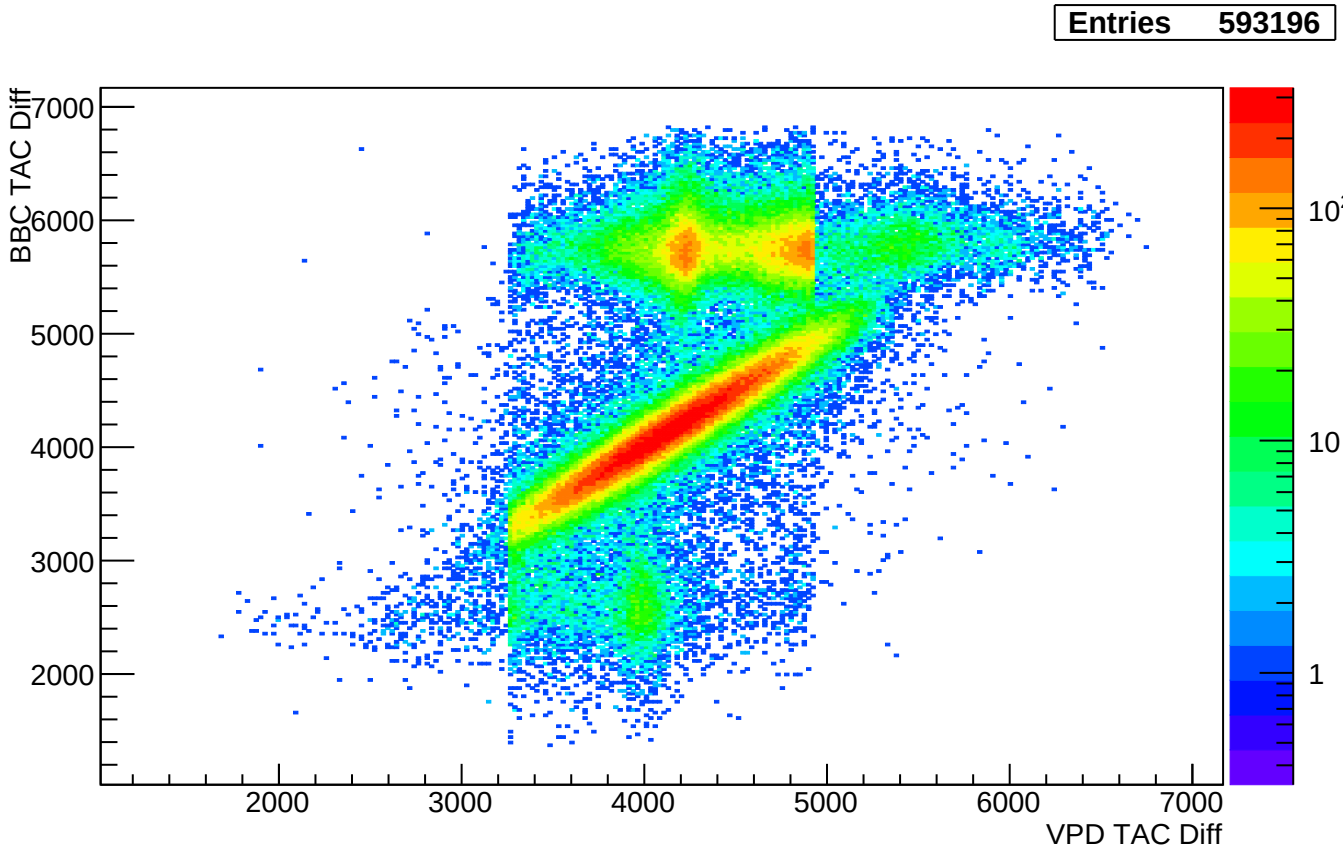

Entries 593196
TOF_Mult
EPD-East Hit Cnt

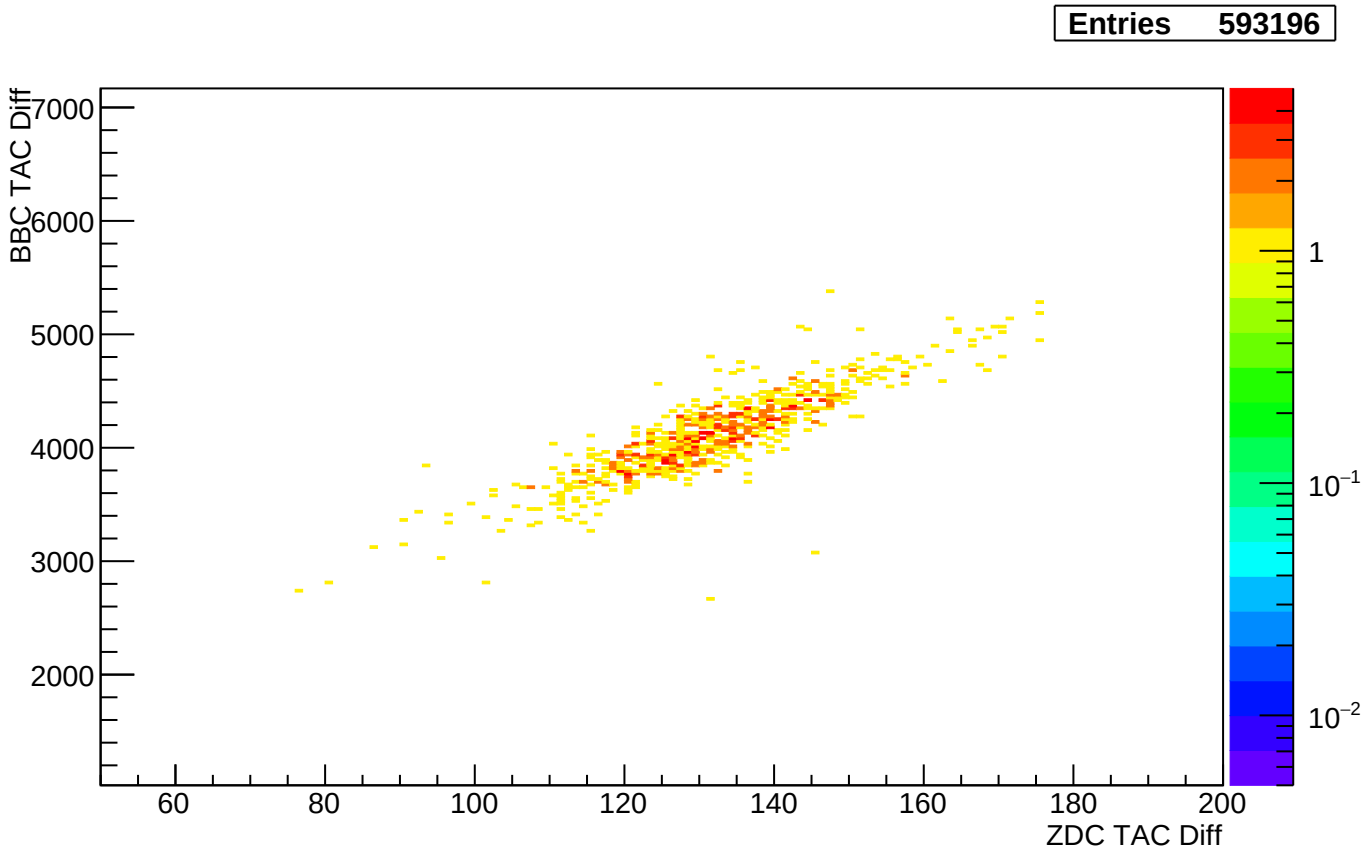

Entries 593196
TOF_Mult
EPD-West Hit Cnt

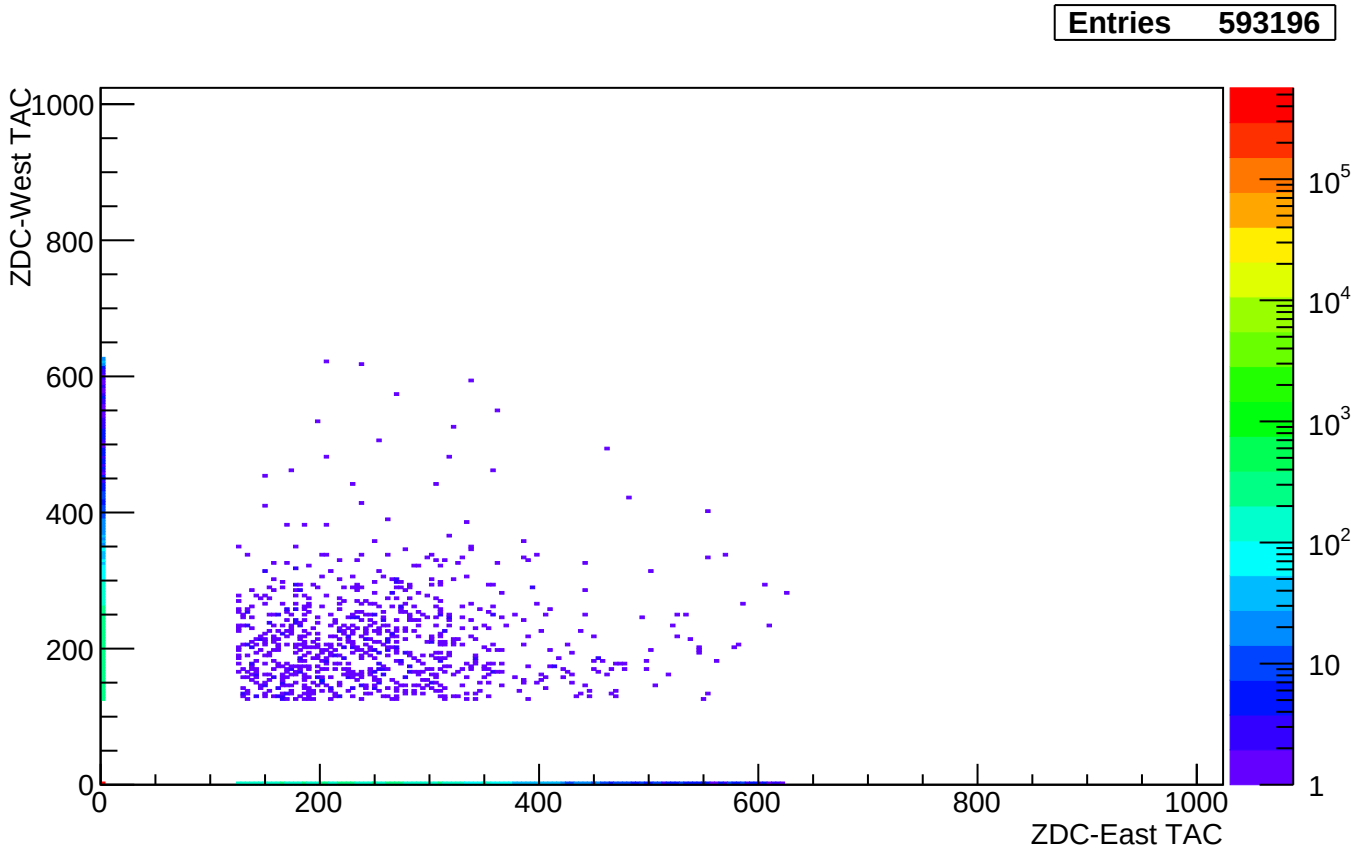

Entries 593196
TOF_Mult
VPD-East ADC Sum

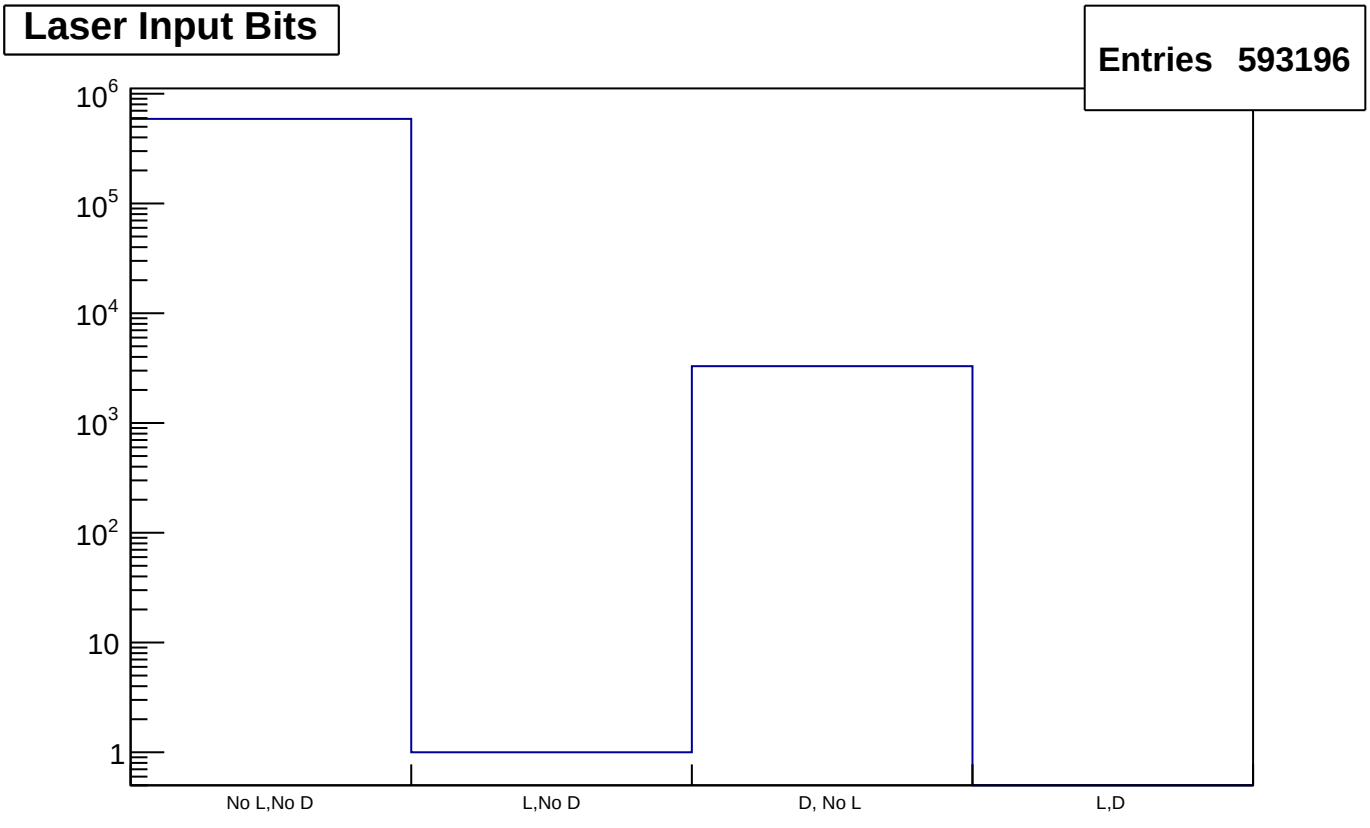

Entries 593196
TOF_Mult
VPD-West ADC Sum

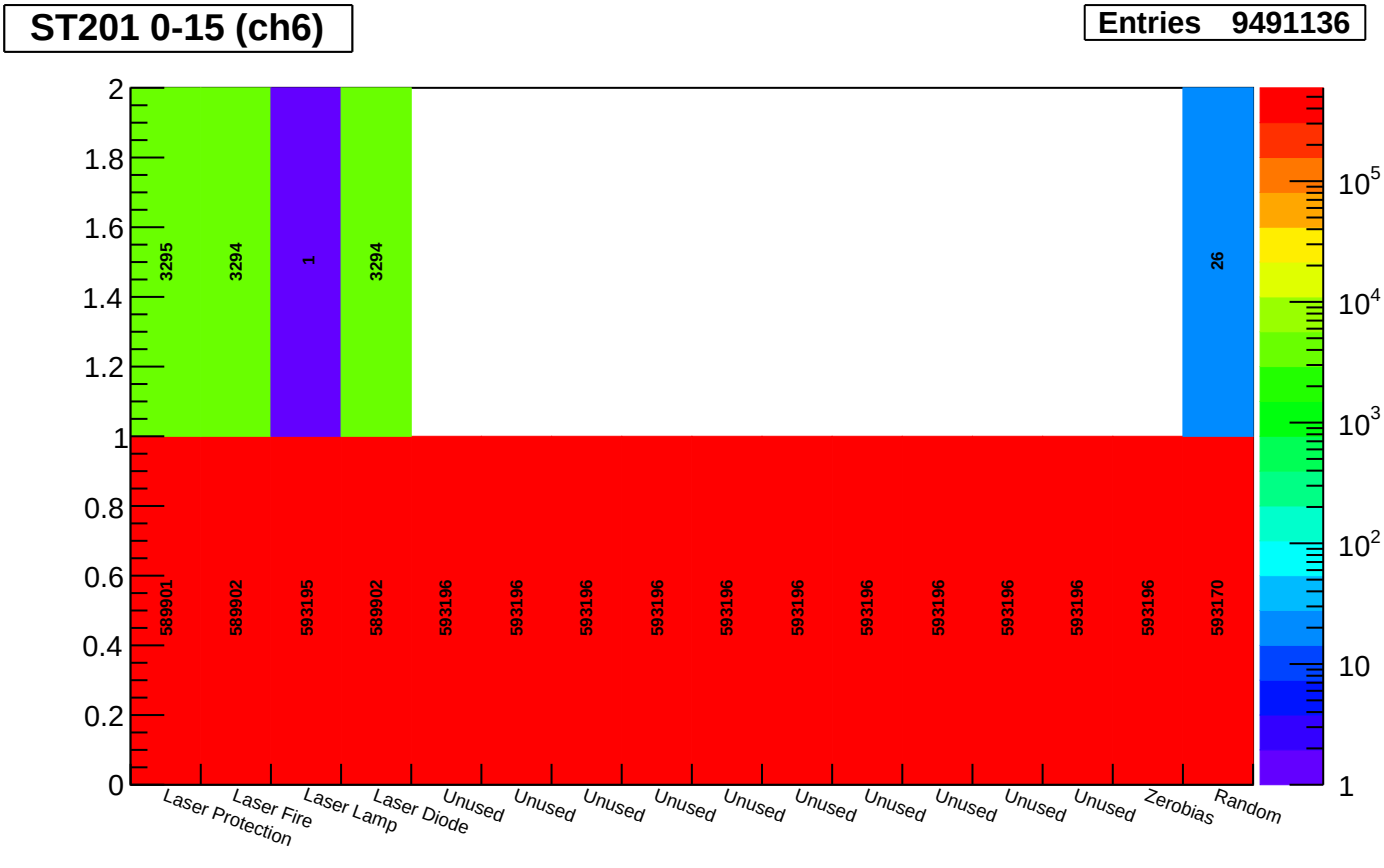

Entries 593196
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

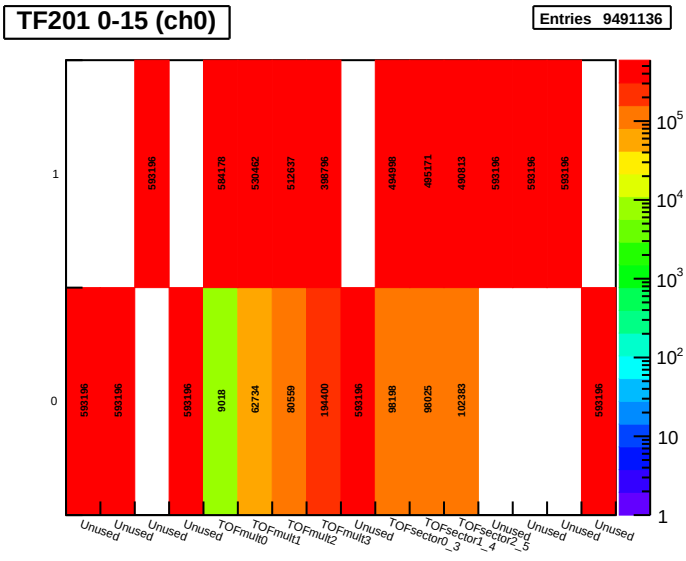

Entries 593196
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

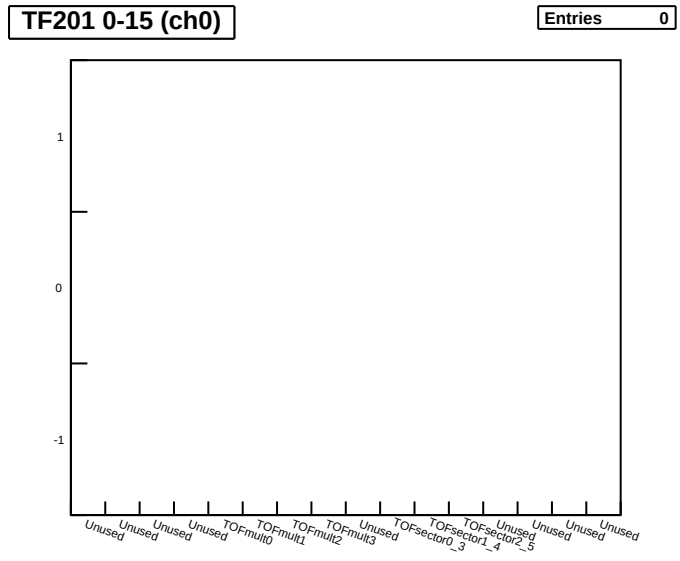

Entries 593196
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

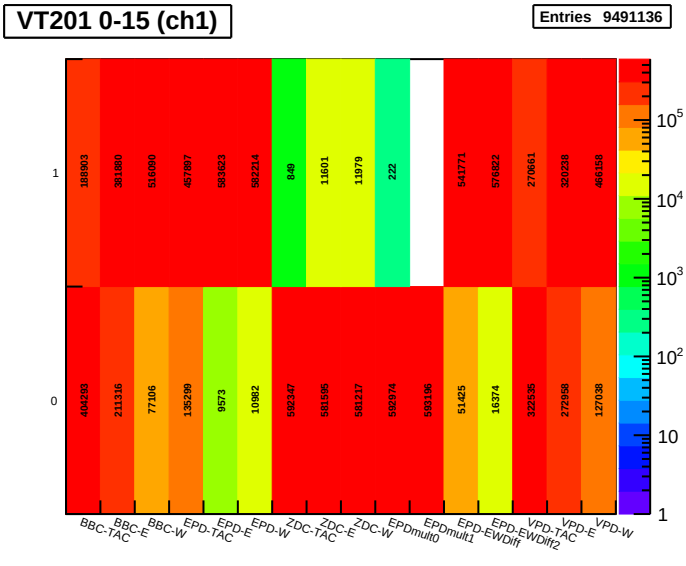

Entries 593196
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

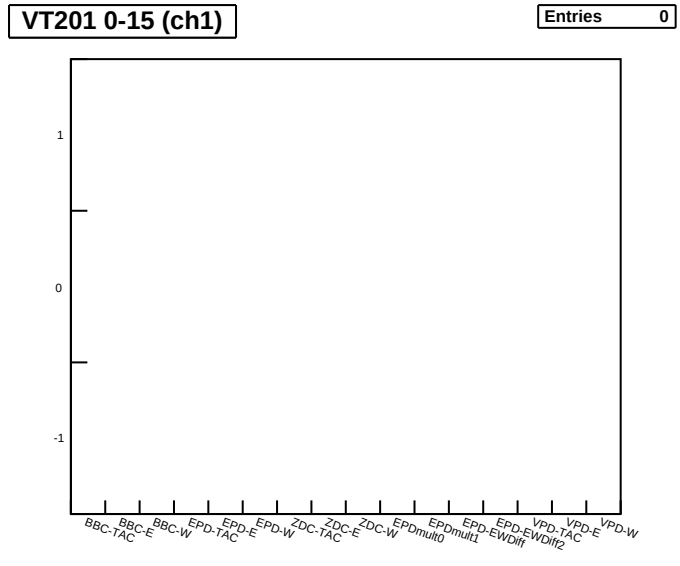

Laser Input Bits
Entries 593196
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

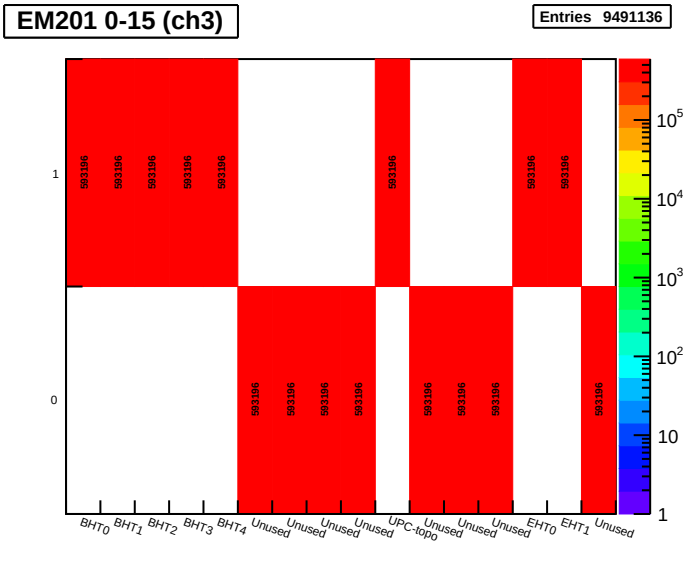

ST201 0-15 (ch6)
Entries 9491136
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3295
3294
1
3294
26
589901
589902
593195
589902
593196
593196
593196
593196
593196
593196
593196
593196
593196
593196
593170
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

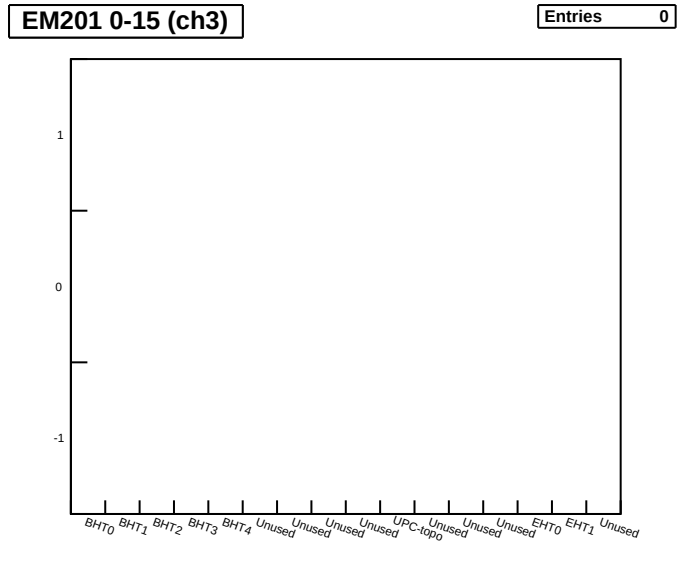

TF201 0-15 (ch0)
Entries 9491136
1
0
593196 593196 593196 9018 62734 80559 194400 593196 98198 98025 102383 593196
593196 584178 530462 512637 398796 494998 495171 490813 593196 593196 593196
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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


VT201 0-15 (ch1)
Entries 9491136
1
0
404293 211316 77106 135299 9573 10982 592347 581595 581217 592974 593196 51425 16374 322535 272958 127038
188903 381880 516090 457897 583623 582214 849 11601 11979 222 541771 576822 270661 320238 466158
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
1 10 10^2 10^3 10^4 10^5


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 9491136
1
0
593196 593196 593196 593196 593196 593196 593196 593196 593196 593196 593196 593196 593196 593196 593196 593196
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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