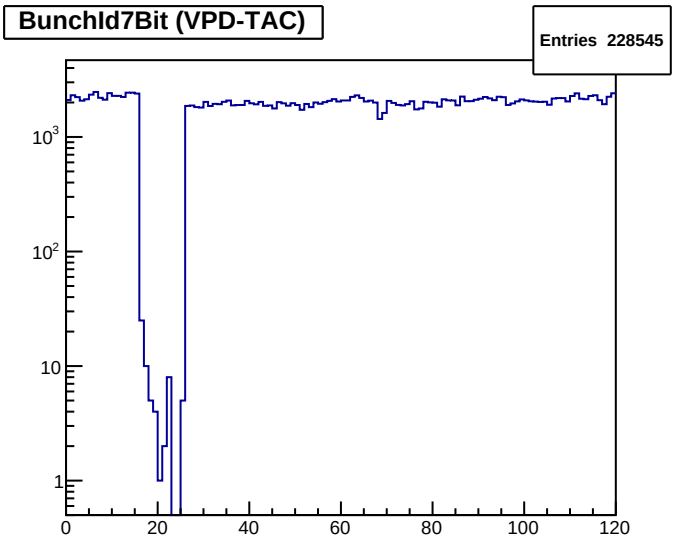
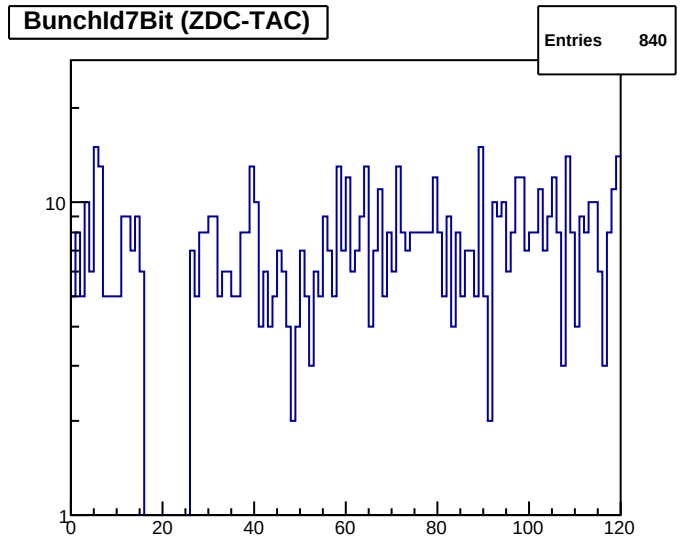
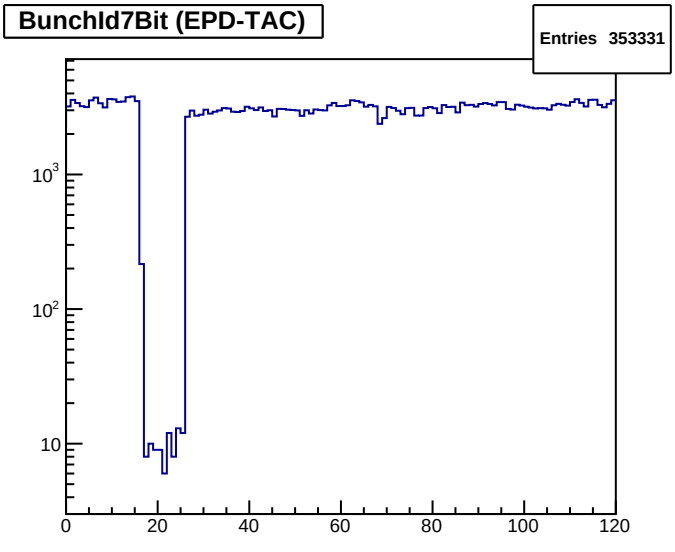
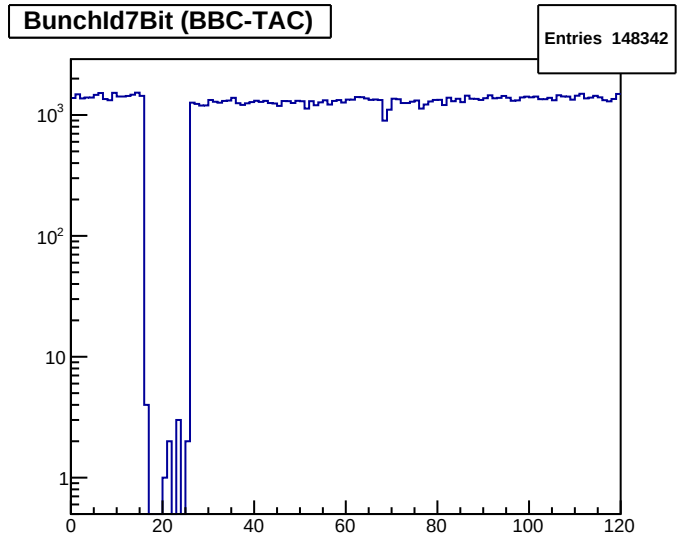
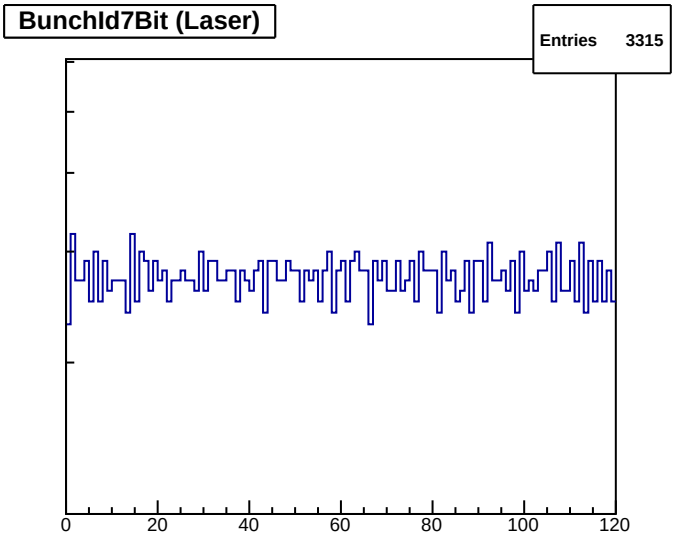
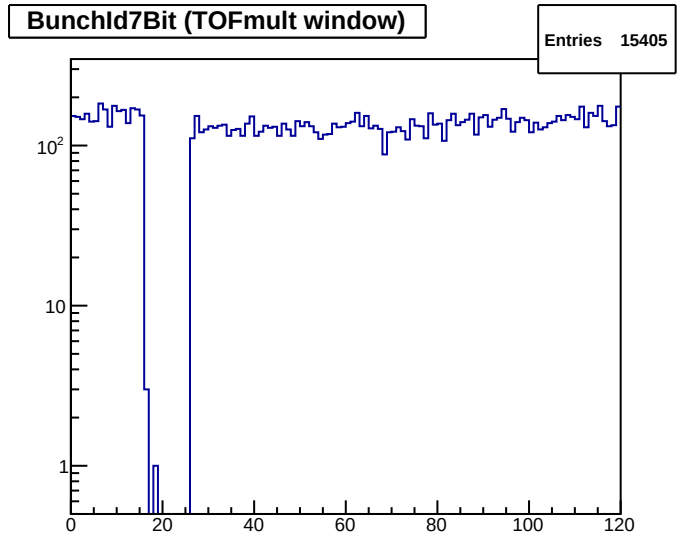

BunchId7Bit (VPD-TAC)
Entries 228545
10^3
10^2
10
1
0
20
40
60
80
100
120

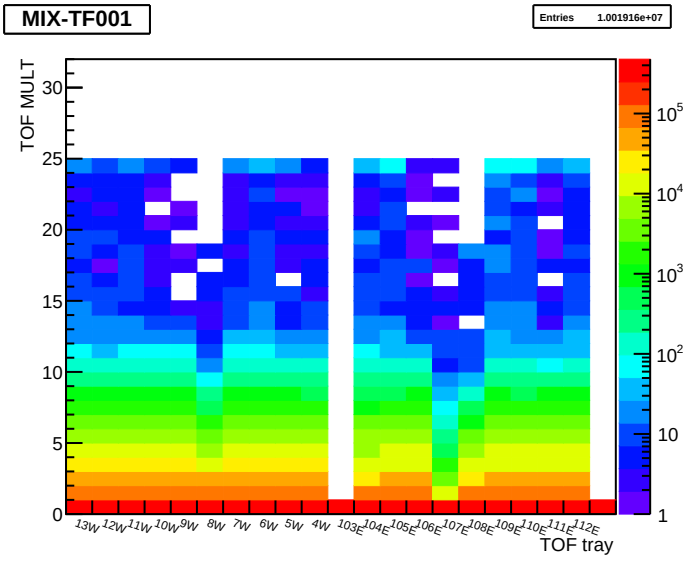

BunchId7Bit (ZDC-TAC)
Entries 840
10
1
0
20
40
60
80
100
120

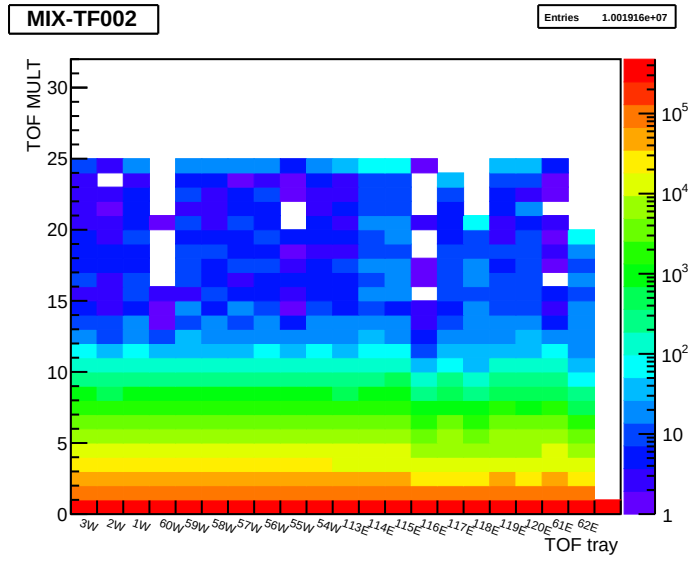

BunchId7Bit (EPD-TAC)
Entries 353331
10^3
10^2
10
0
20
40
60
80
100
120

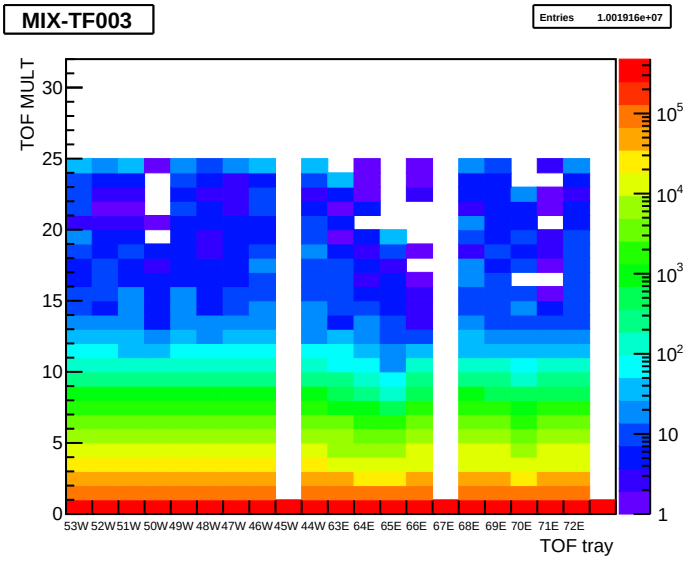

BunchId7Bit (BBC-TAC)
Entries 148342
10^3
10^2
10
1
0
20
40
60
80
100
120

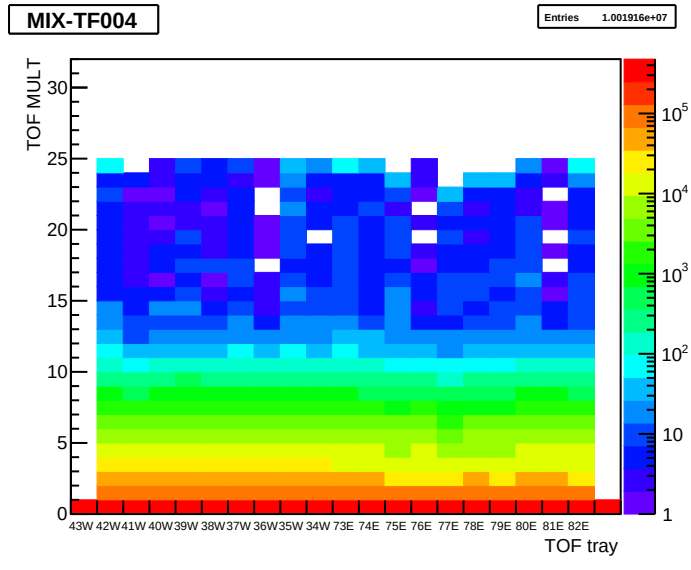

BunchId7Bit (Laser)
Entries 3315
0
20
40
60
80
100
120

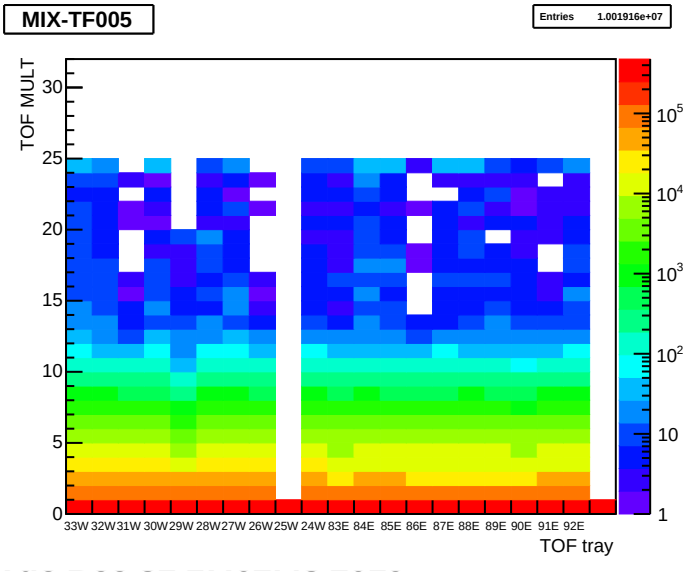

BunchId7Bit (TOFmult window)
Entries 15405
10^2
10
1
0
20
40
60
80
100
120

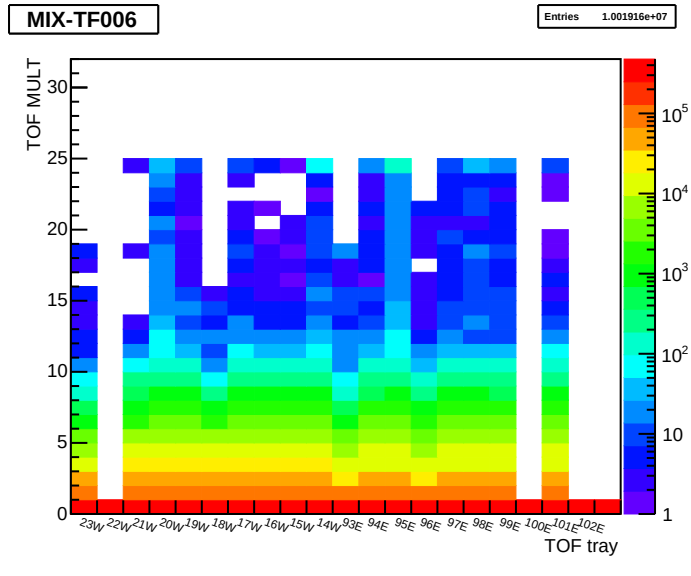

MIX-TF001
Entries 1.001916e+07
TOF MULT
TOF tray

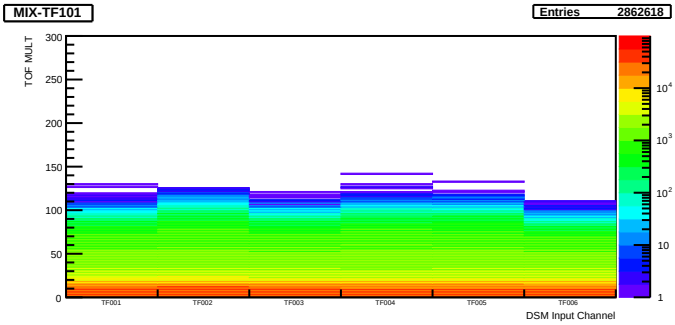

MIX-TF002
Entries 1.001916e+07
TOF MULT
TOF tray

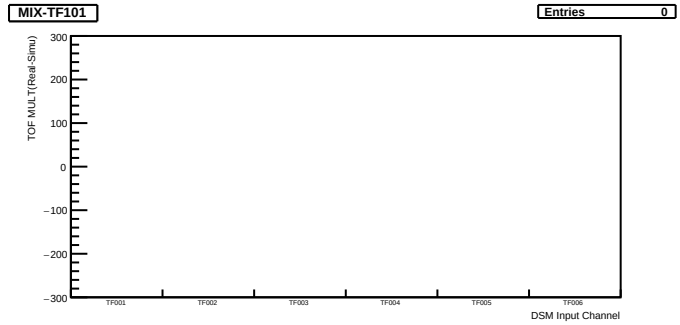

MIX-TF003
Entries 1.001916e+07
TOF MULT
TOF tray

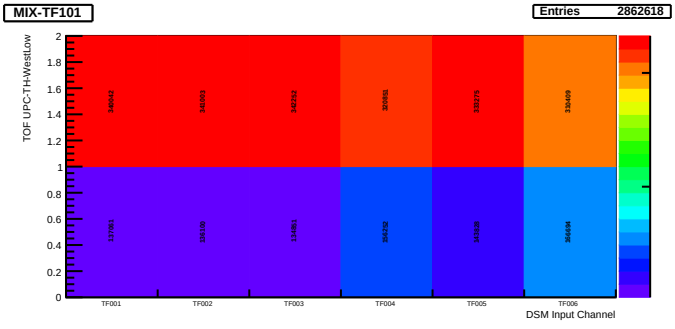

MIX-TF004
Entries 1.001916e+07
TOF MULT
TOF tray

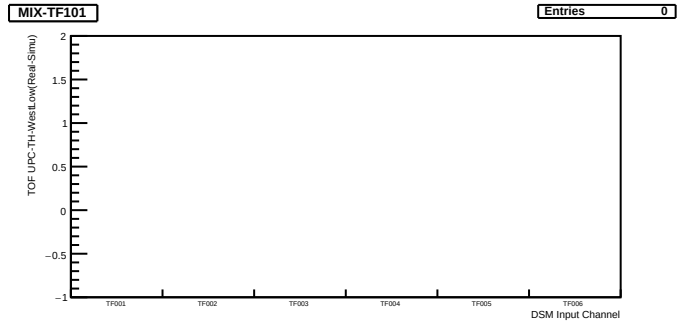

MIX-TF005
Entries 1.001916e+07
TOF MULT
TOF tray

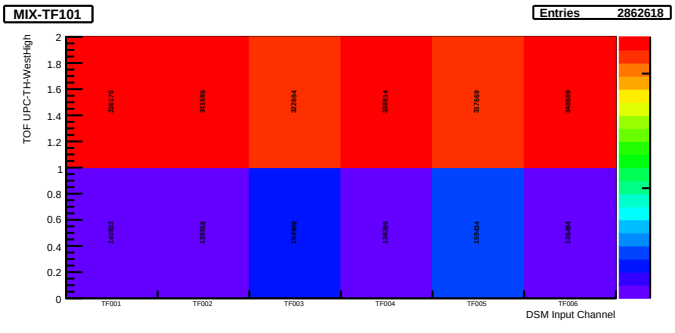

MIX-TF006
Entries 1.001916e+07
TOF MULT
TOF tray

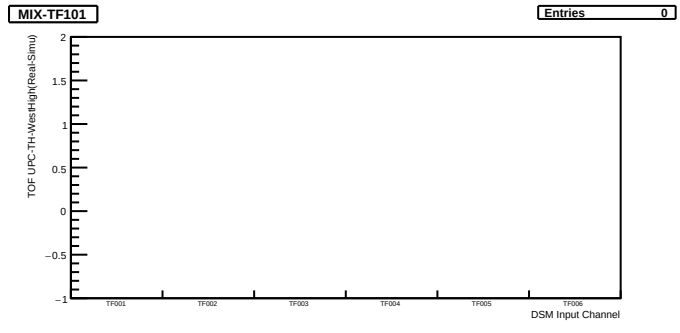

MIX-TF101
Entries 2862618
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

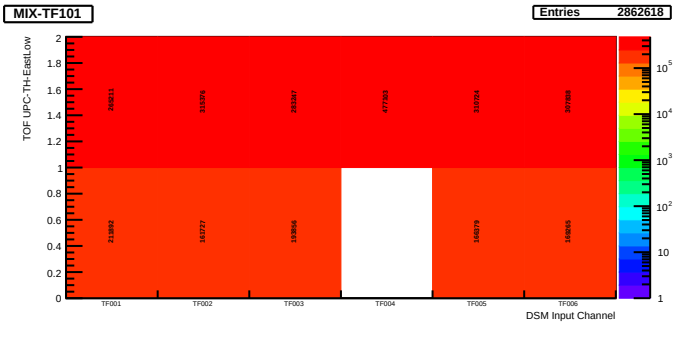

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

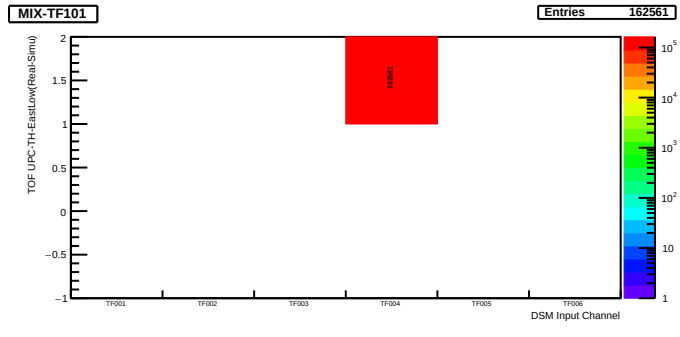

MIX-TF101
Entries 2862618
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

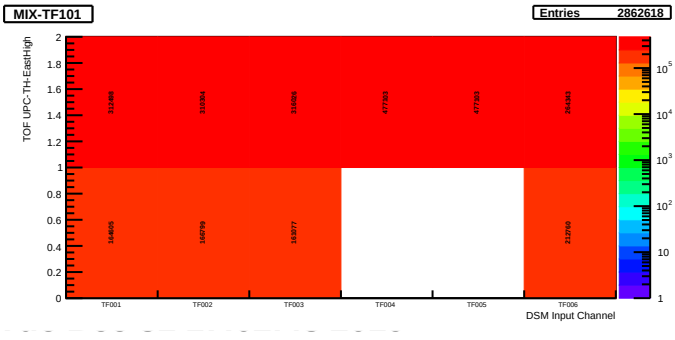

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

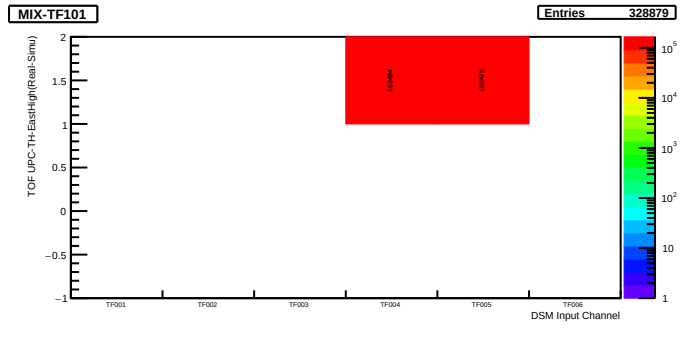

MIX-TF101
Entries 2862618
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

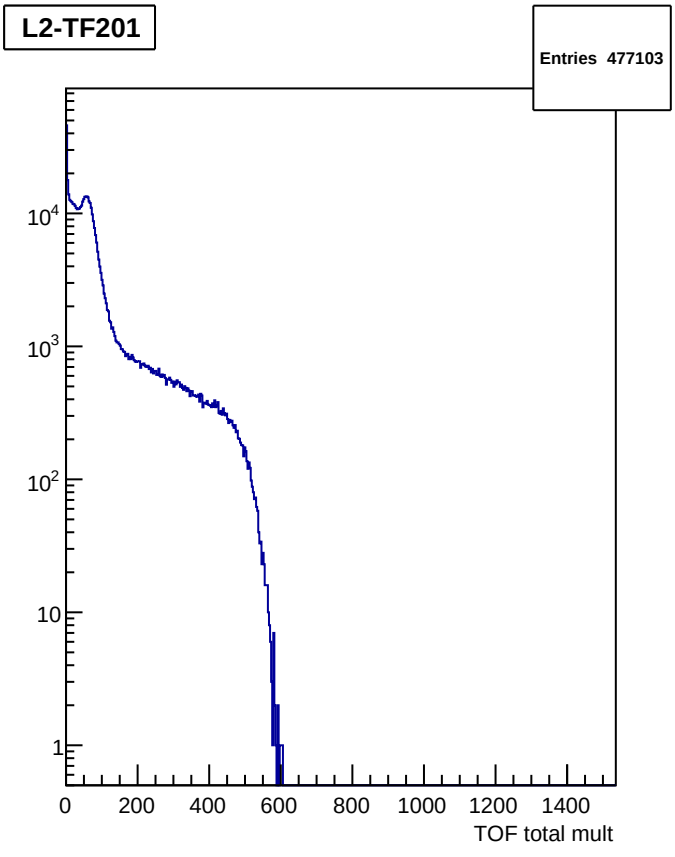

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

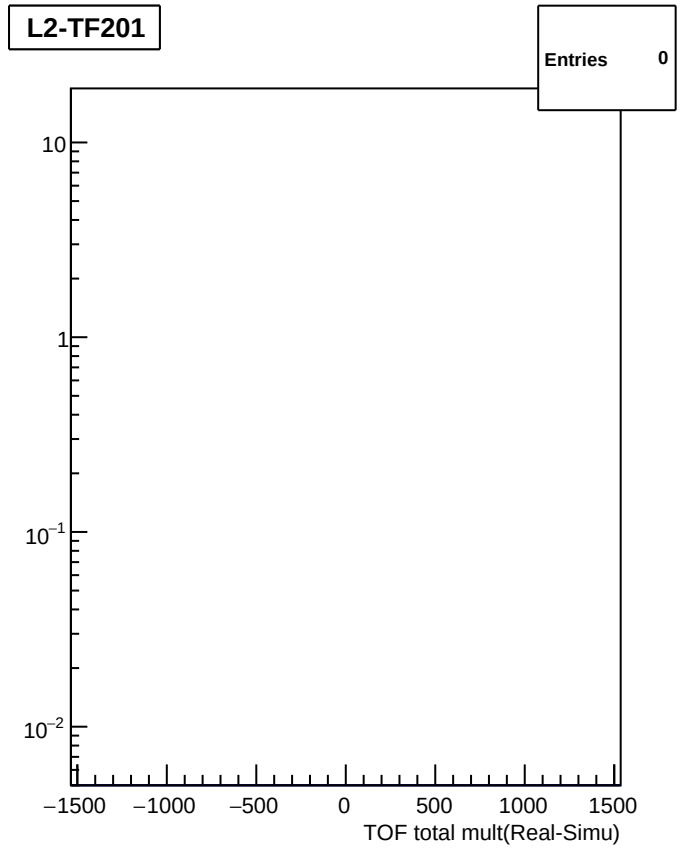

MIX-TF101
Entries 2862618
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

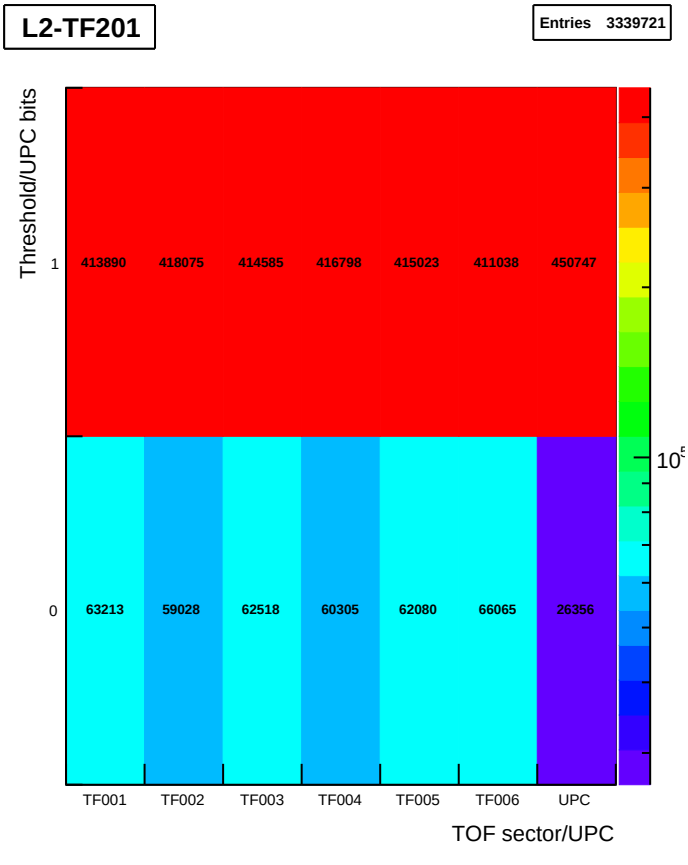

MIX-TF101
Entries 162561
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

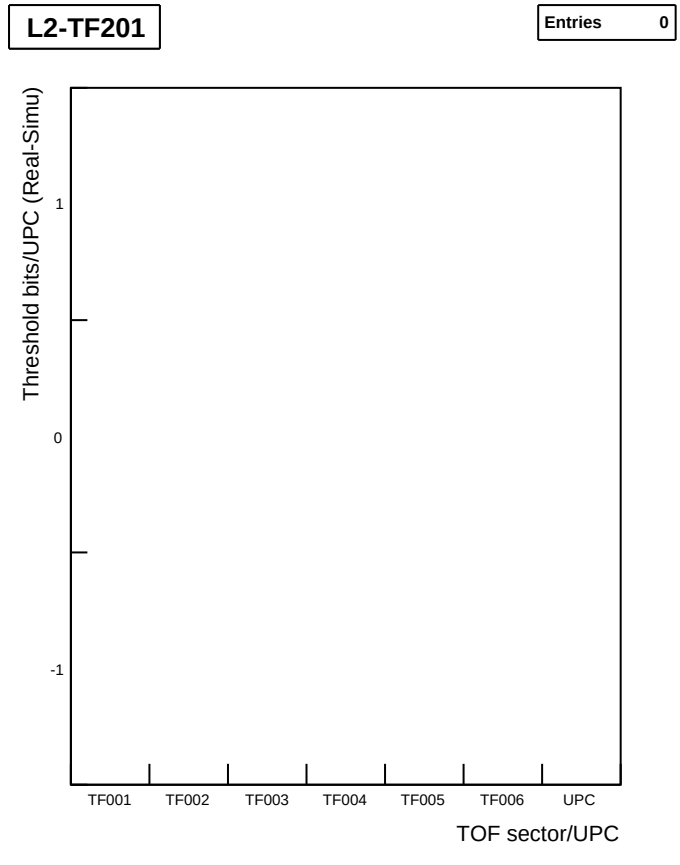

MIX-TF101
Entries 2862618
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

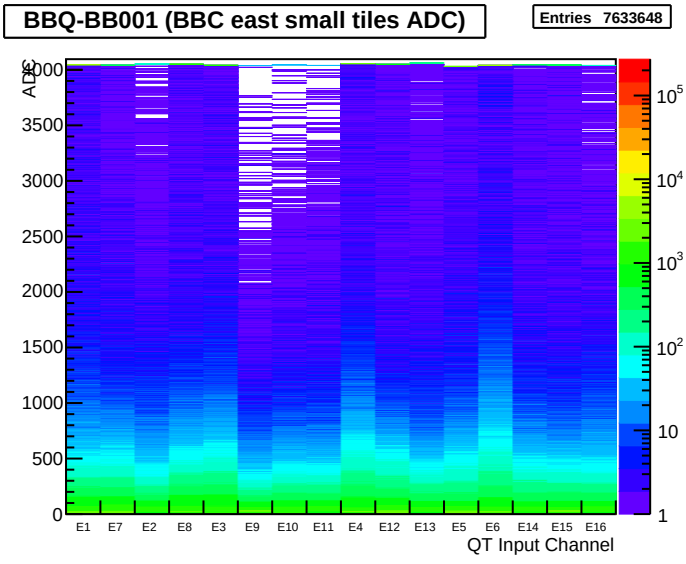

MIX-TF101
Entries 328879
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

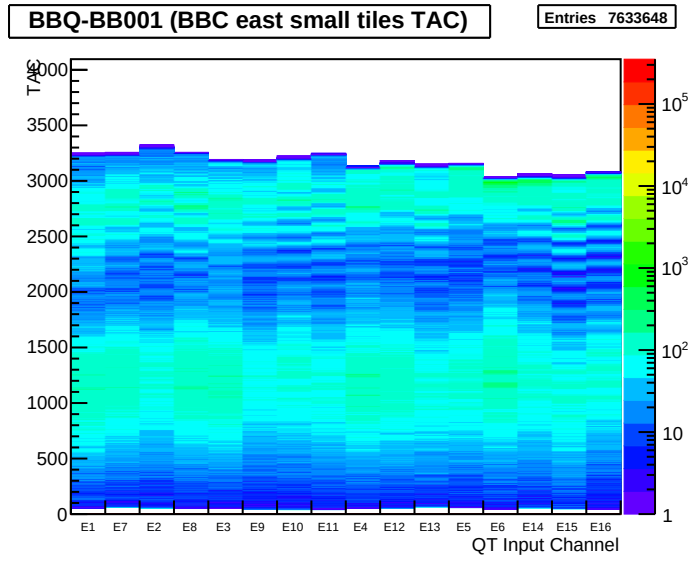

L2-TF201
Entries 477103
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

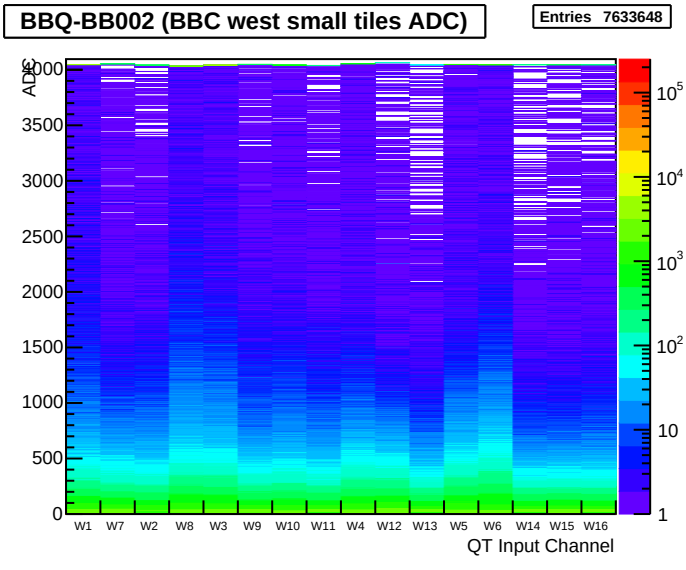

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

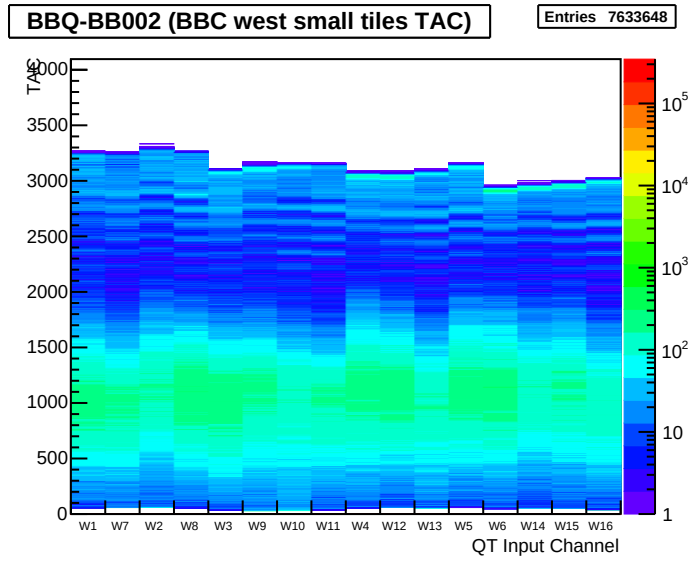

L2-TF201
Entries 3339721
Threshold/UPC bits
1
0
413890
418075
414585
416798
415023
411038
450747
63213
59028
62518
60305
62080
66065
26356
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

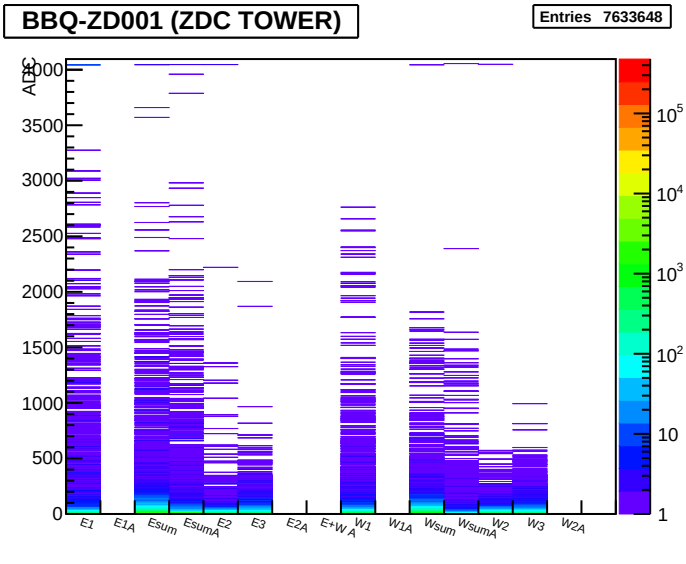

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

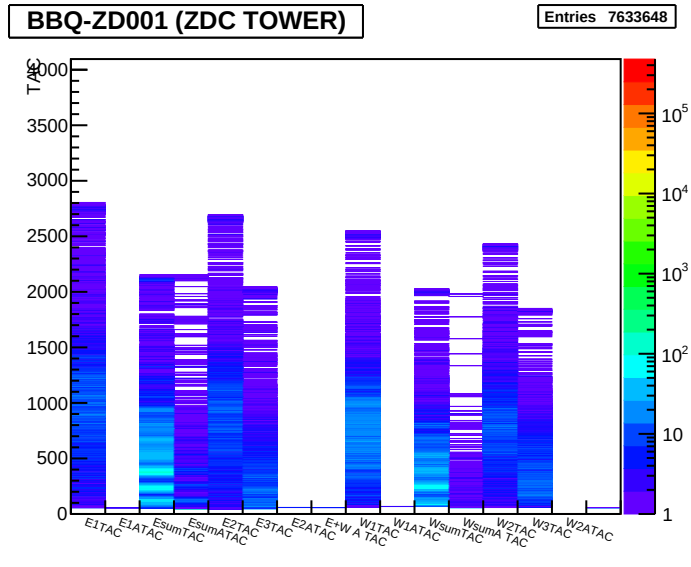

BBQ-BB001 (BBC east small tiles ADC)
Entries 7633648
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

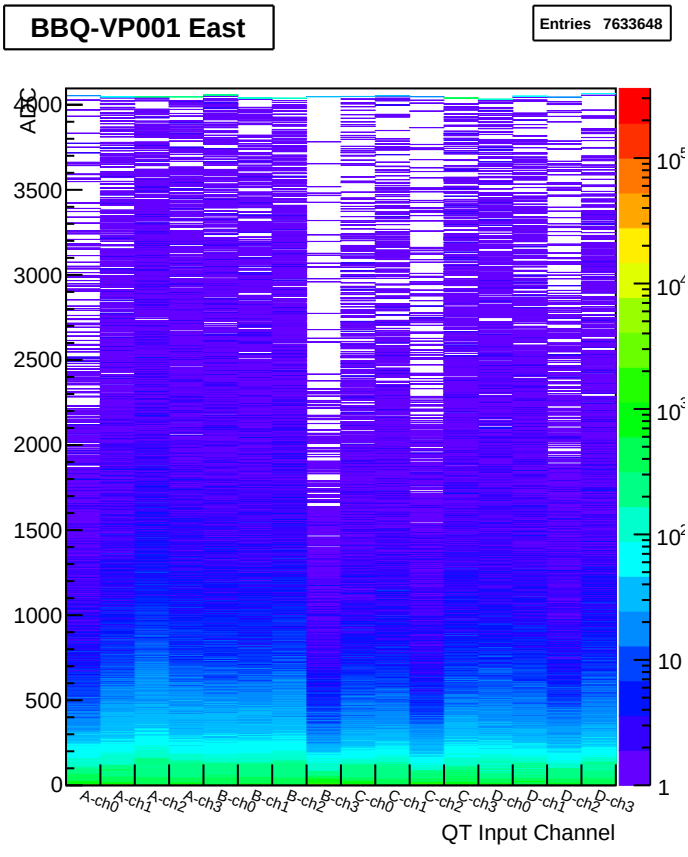

BBQ-BB001 (BBC east small tiles TAC)
Entries 7633648
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

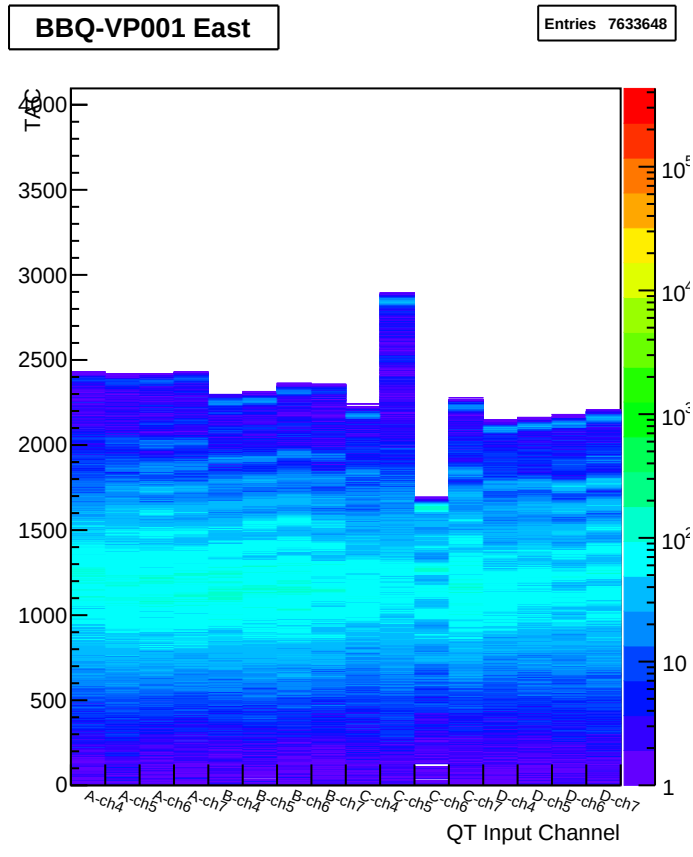

BBQ-BB002 (BBC west small tiles ADC)
Entries 7633648
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

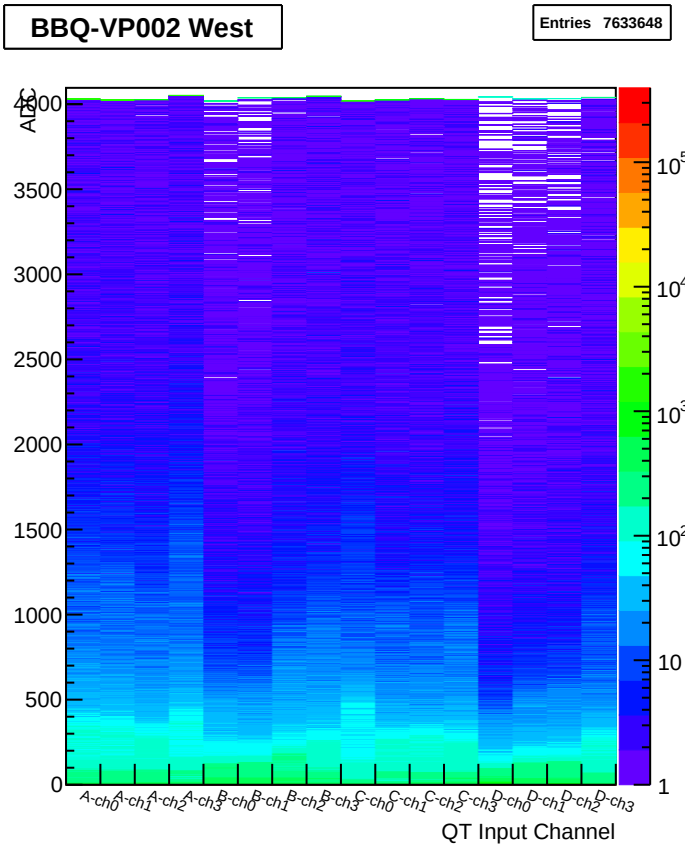

BBQ-BB002 (BBC west small tiles TAC)
Entries 7633648
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

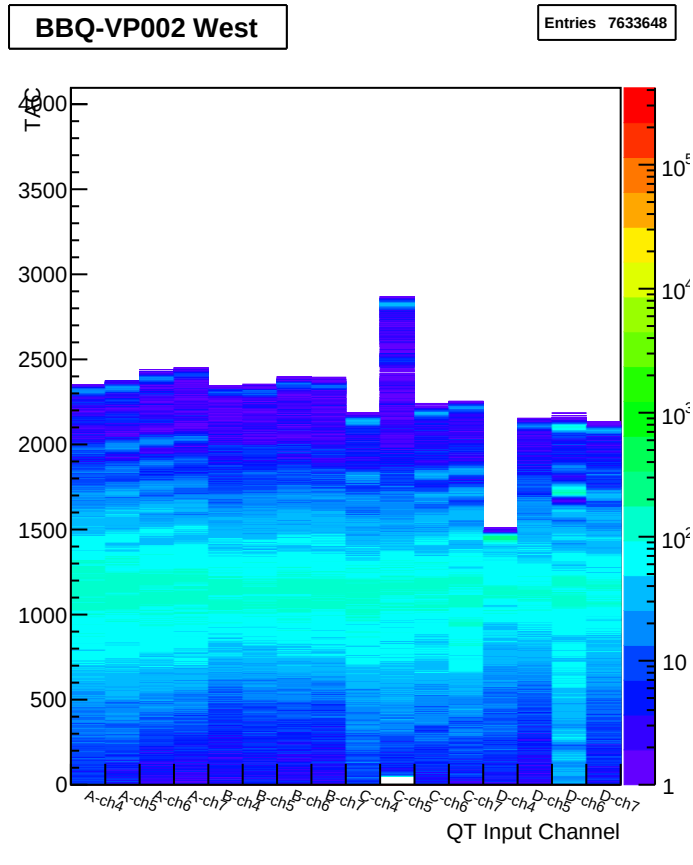

BBQ-ZD001 (ZDC TOWER)
Entries 7633648
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

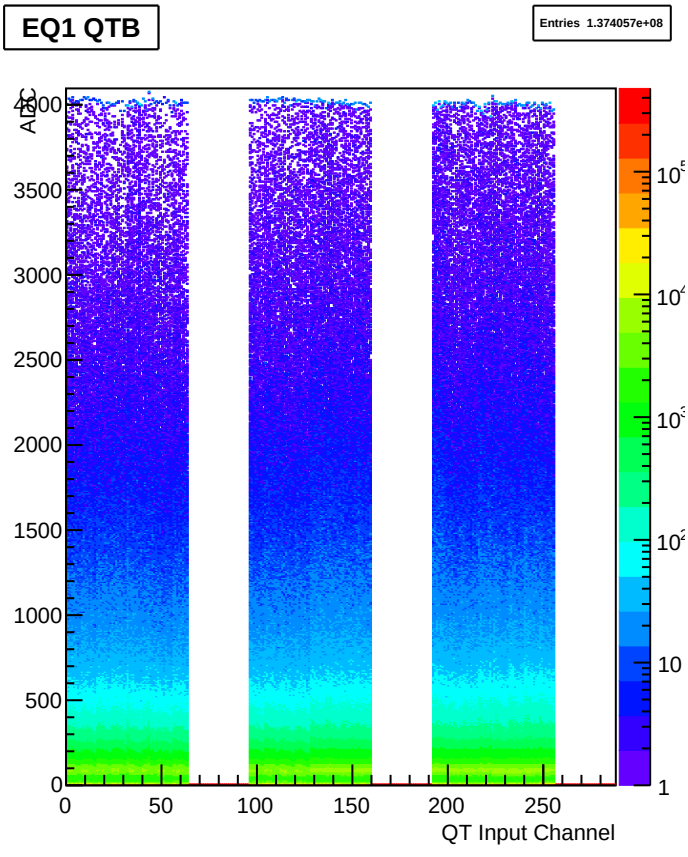

BBQ-ZD001 (ZDC TOWER)
Entries 7633648
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

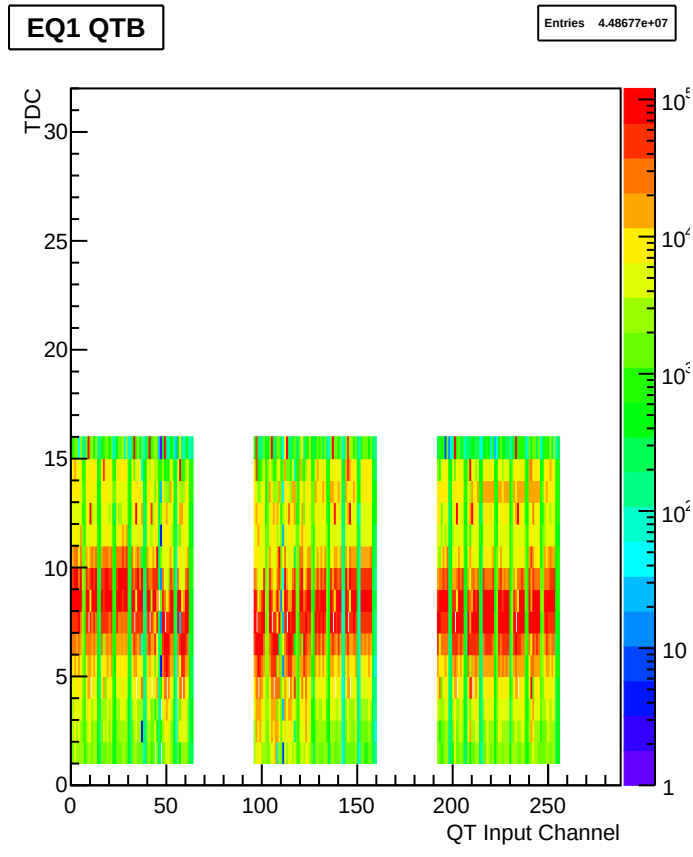

BBQ-VP001 East
Entries 7633648
ADC
QT Input Channel

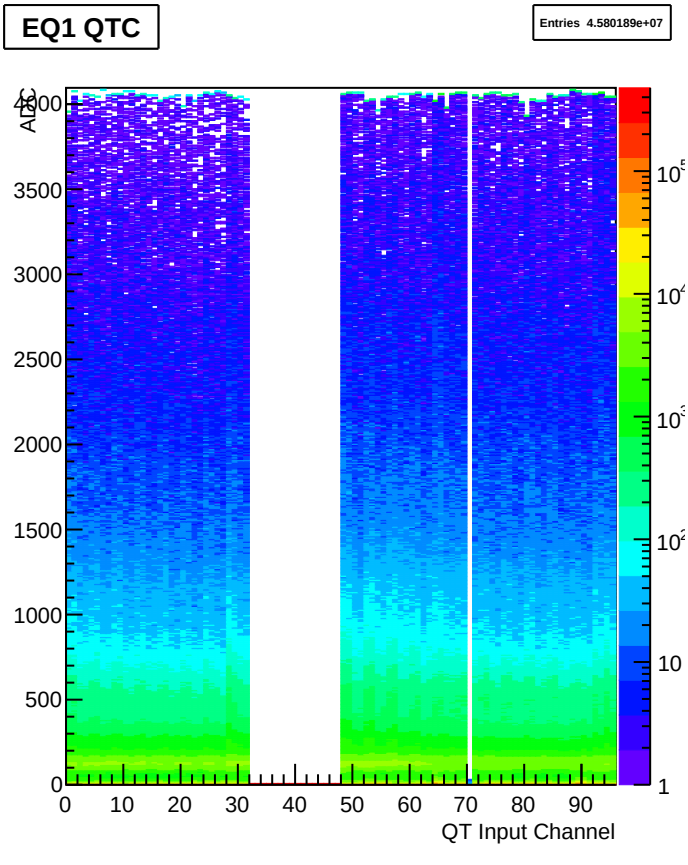

BBQ-VP001 East
Entries 7633648
TADC
QT Input Channel

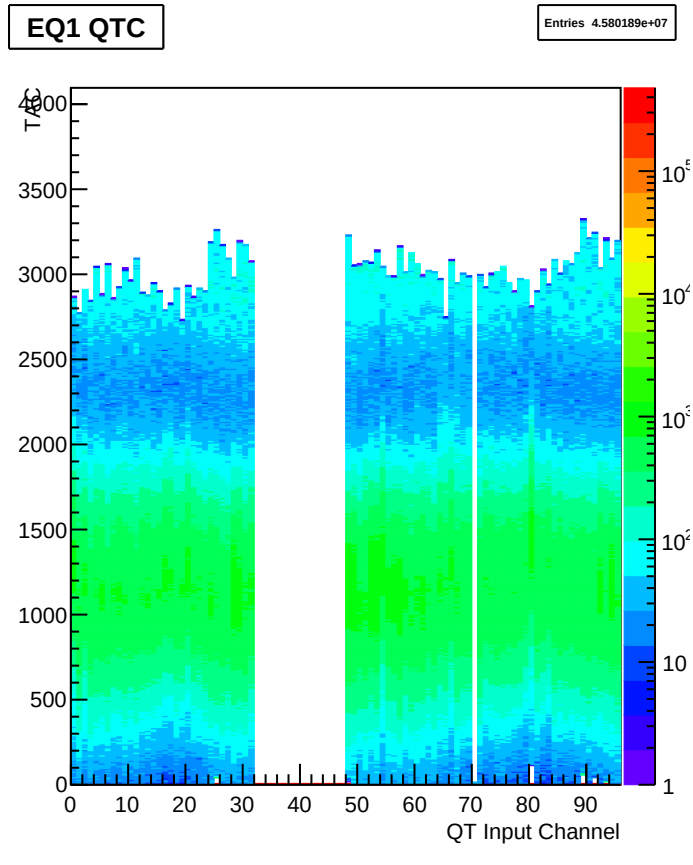

BBQ-VP002 West
Entries 7633648
ADC
QT Input Channel

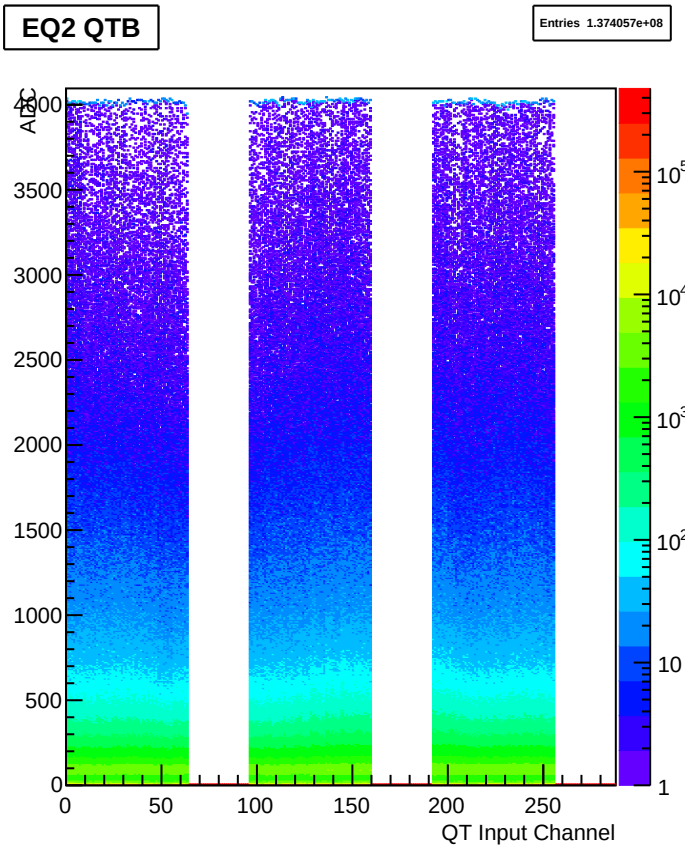

BBQ-VP002 West
Entries 7633648
TADC
QT Input Channel

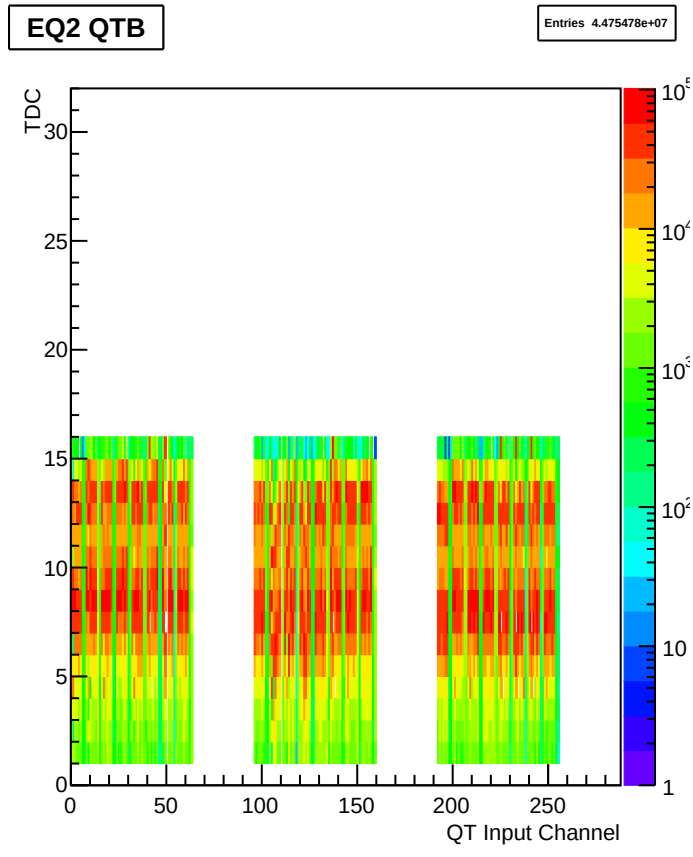

EQ1 QTB
Entries 1.374057e+08
ADC
QT Input Channel

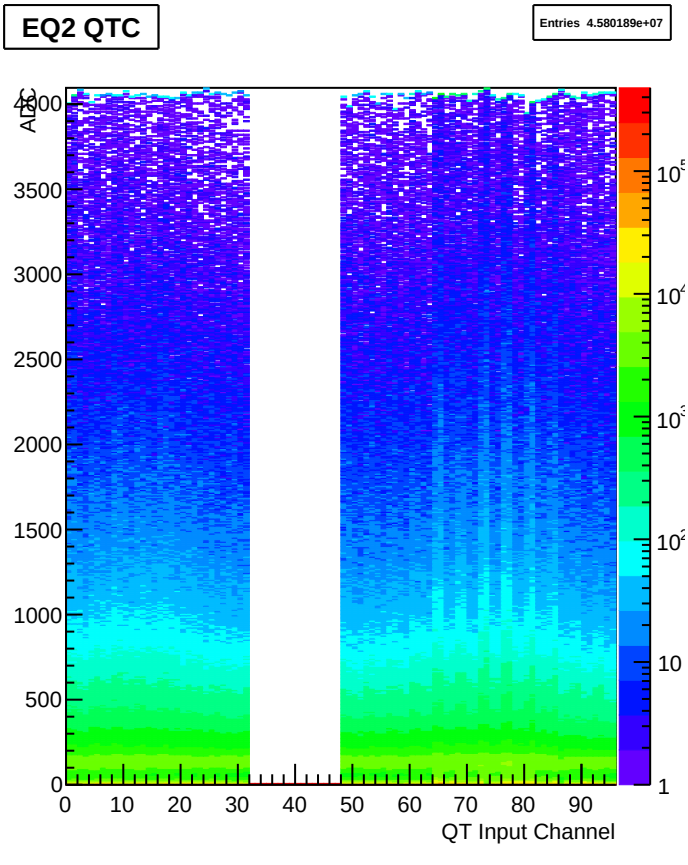

EQ1 QTB
Entries 4.48677e+07
TDC
QT Input Channel

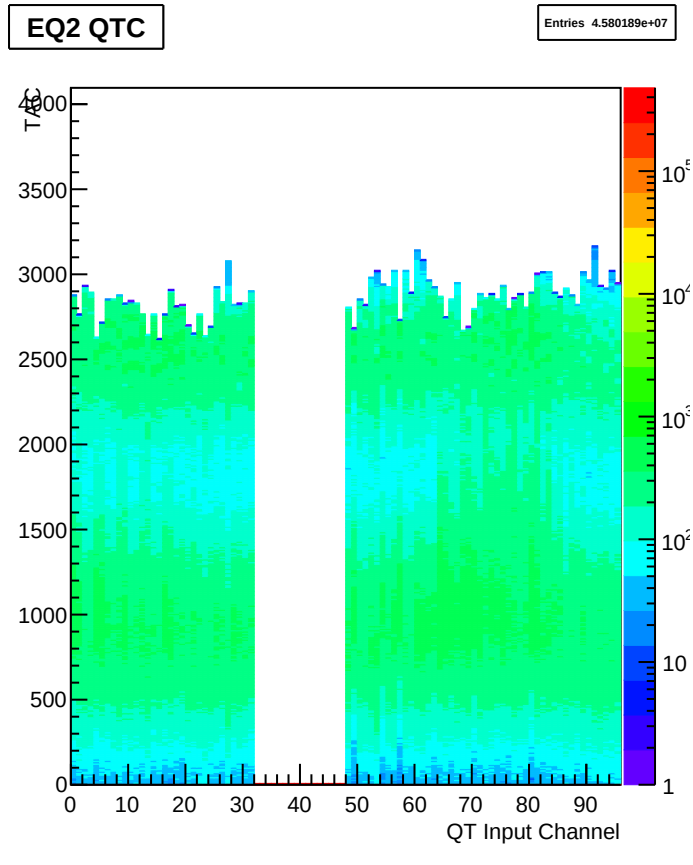

EQ1 QTC
Entries 4.580189e+07
ADC
QT Input Channel

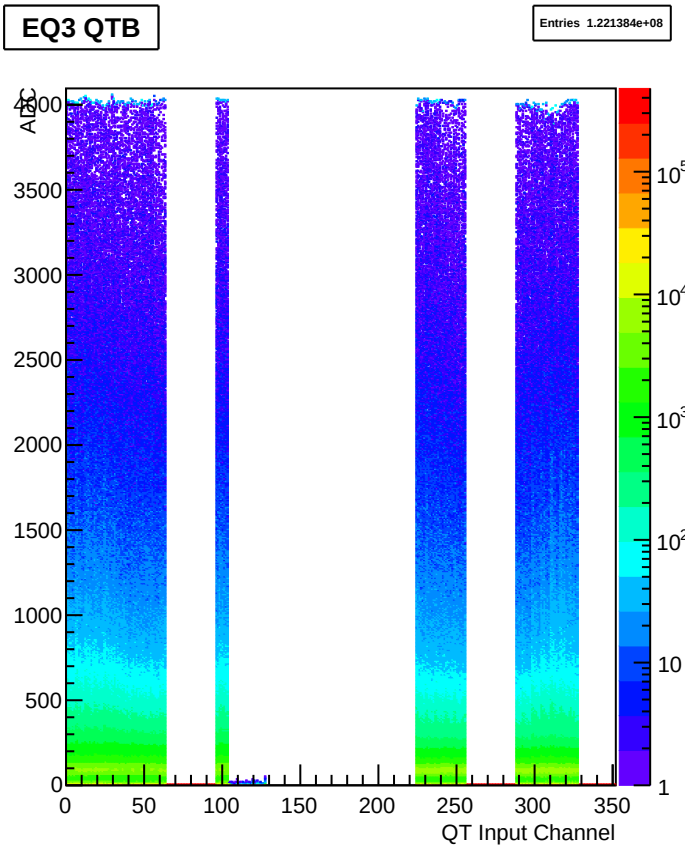

EQ1 QTC
Entries 4.580189e+07
TADC
QT Input Channel

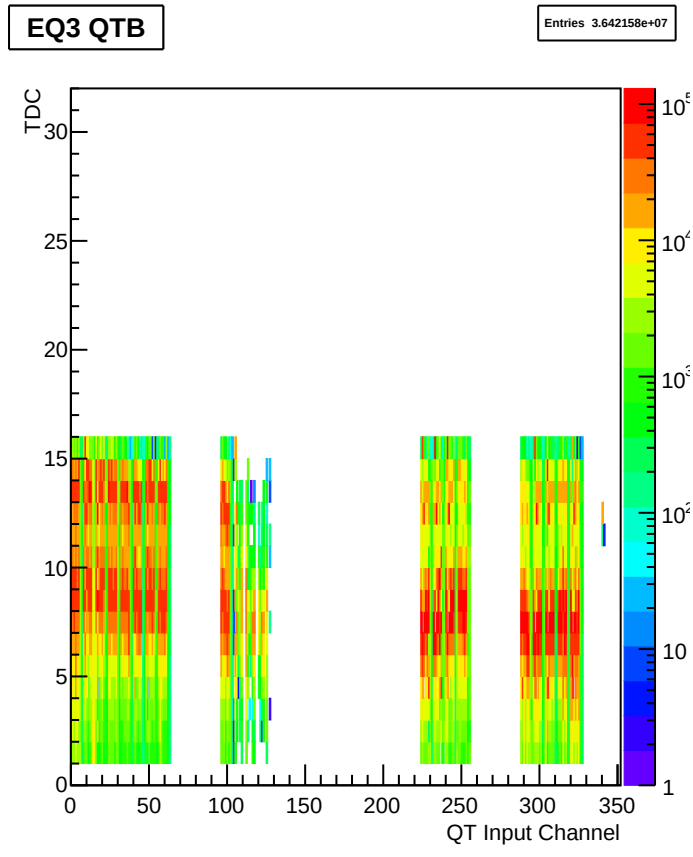

EQ2 QTB
Entries 1.374057e+08
ADC
QT Input Channel

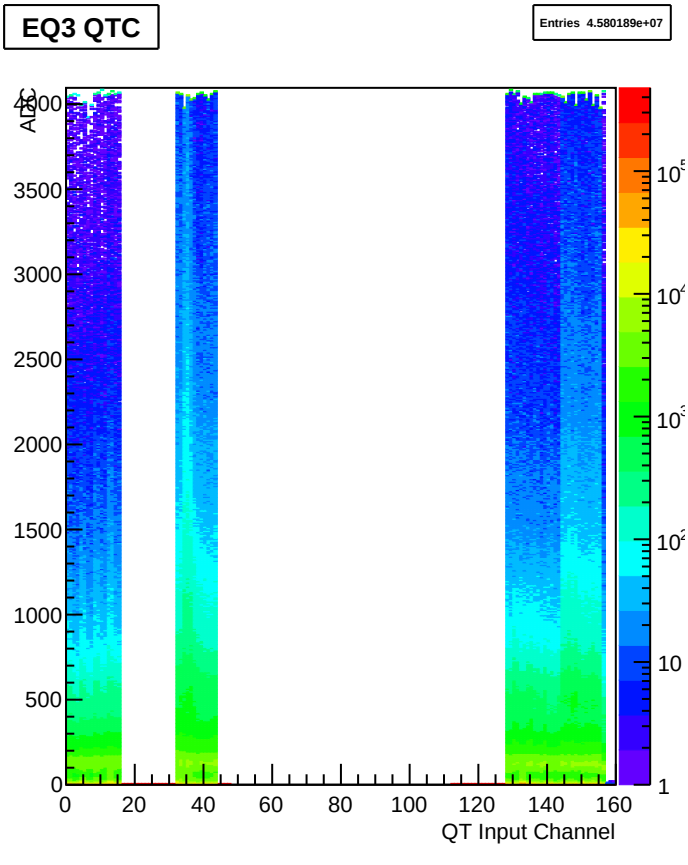

EQ2 QTB
Entries 4.475478e+07
TDC
QT Input Channel

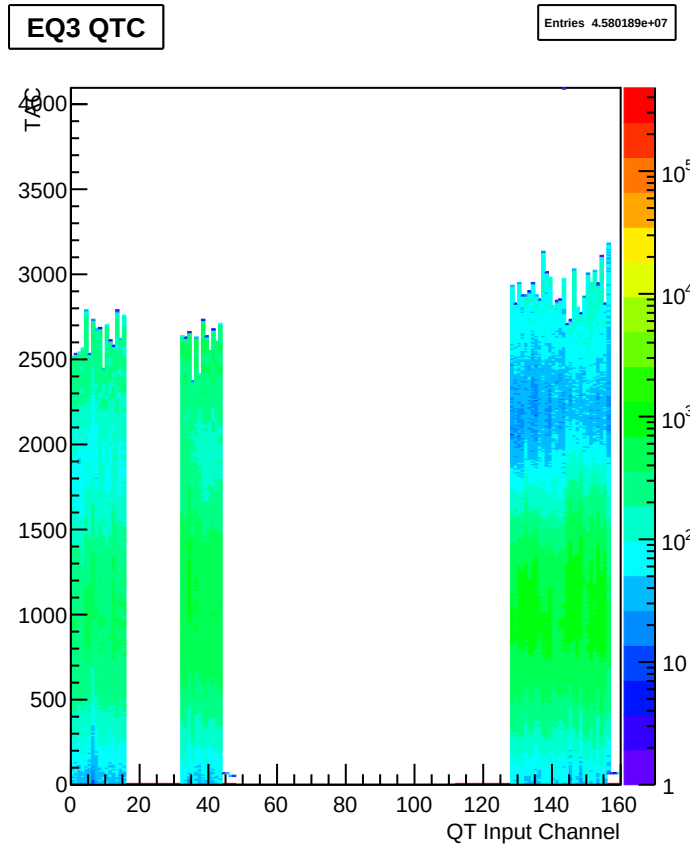

EQ2 QTC
Entries 4.580189e+07
ADC
QT Input Channel

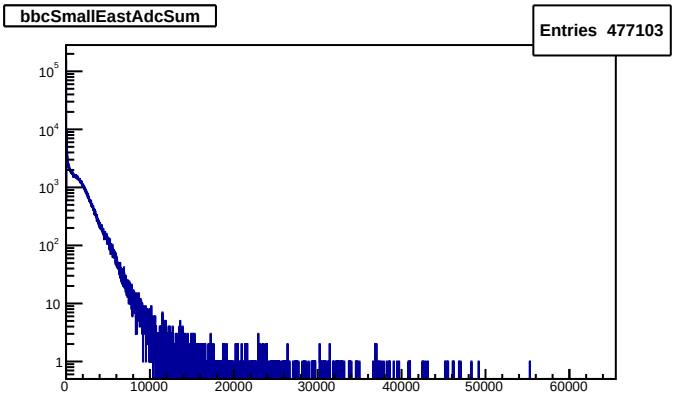

EQ2 QTC
Entries 4.580189e+07
TADC
QT Input Channel

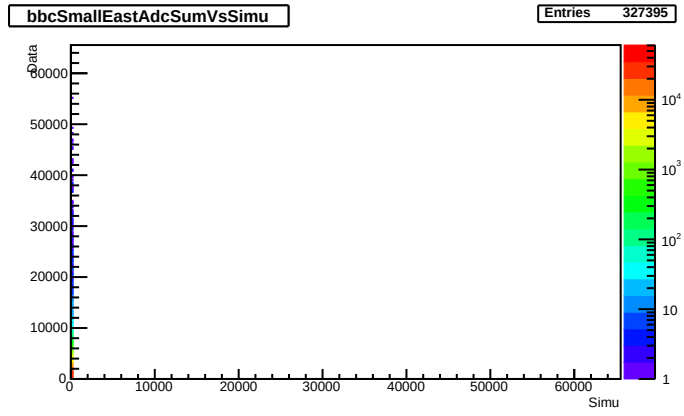

EQ3 QTB
Entries 1.221384e+08
ADC
QT Input Channel

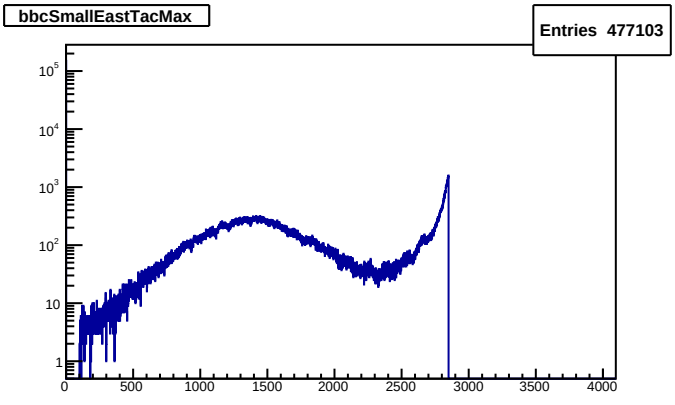

EQ3 QTB
Entries 3.642158e+07
TDC
QT Input Channel

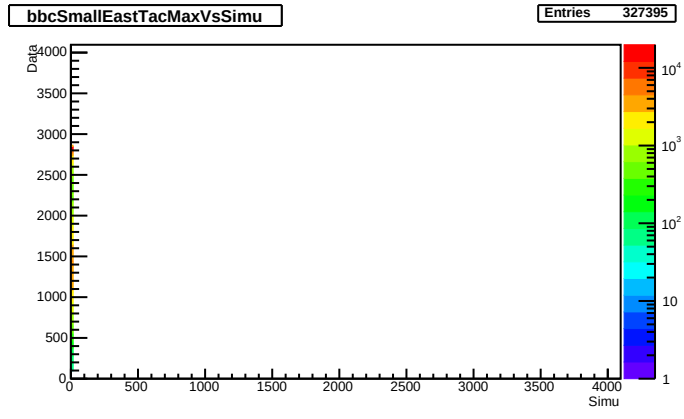

EQ3 QTC
Entries 4.580189e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.580189e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 477103


bbcSmallEastAdcSumVsSimu
Entries 327395
Data
Simu


bbcSmallEastTacMax
Entries 477103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Entries 327395
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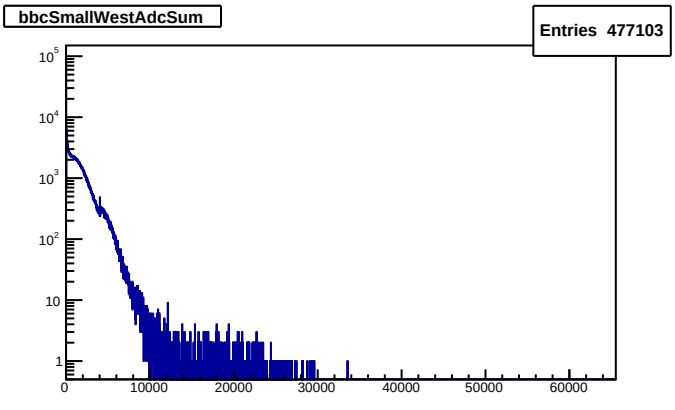
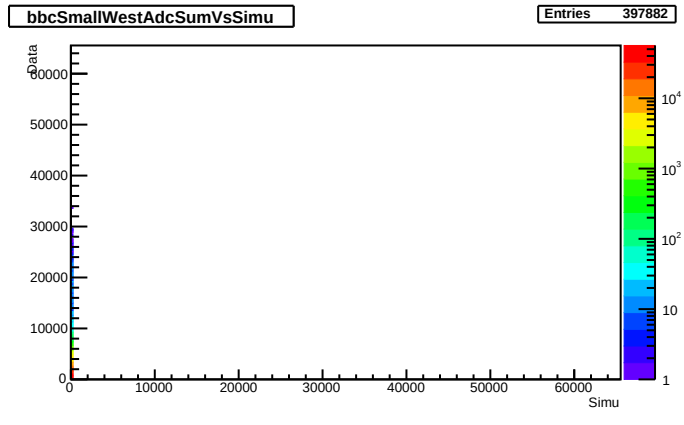
Simu


bbcSmallWestAdcSum
Entries 477103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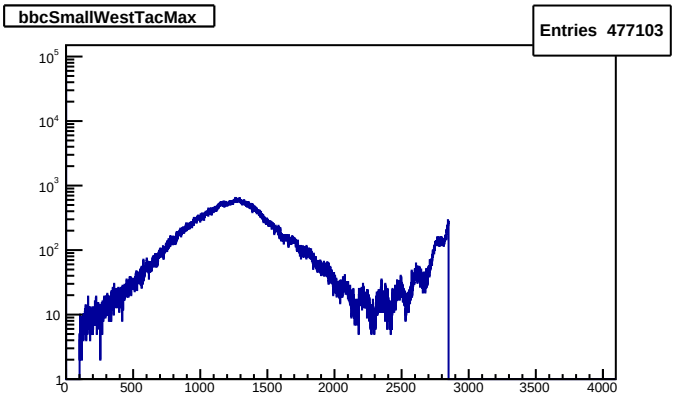
Entries 397882
Data
Simu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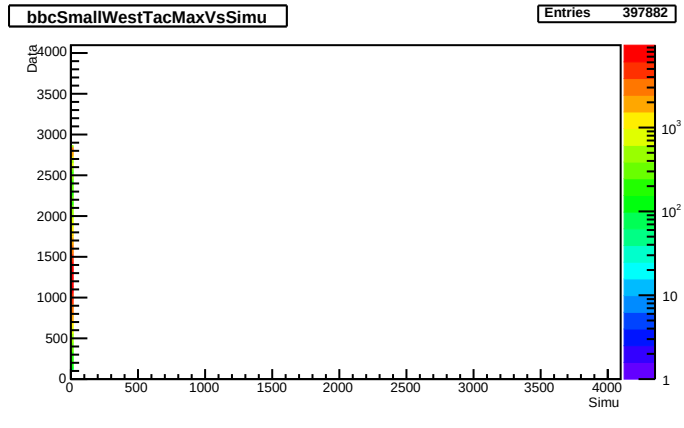
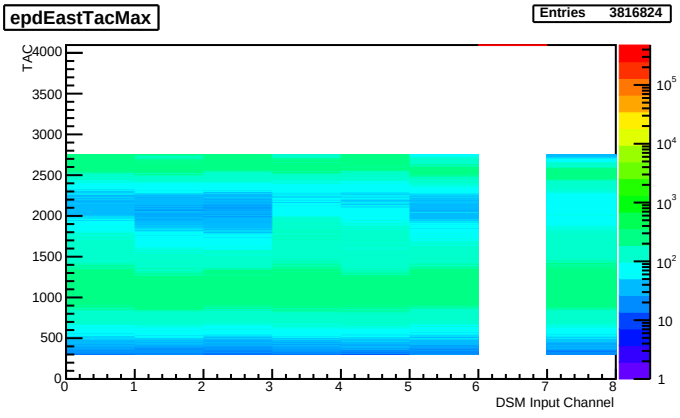
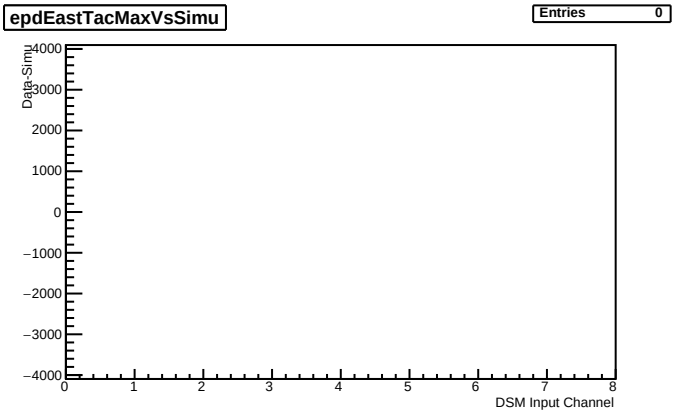
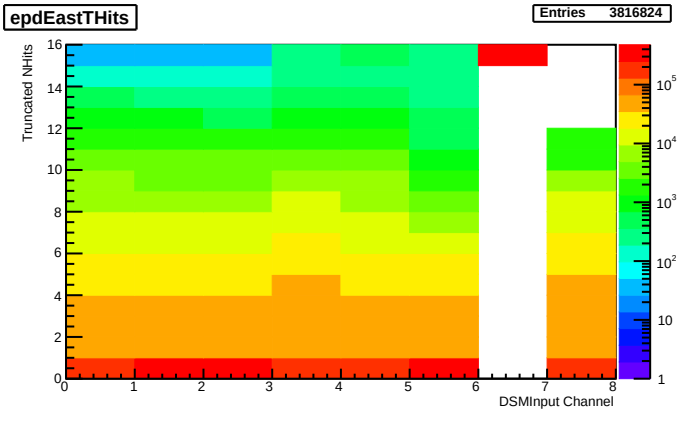
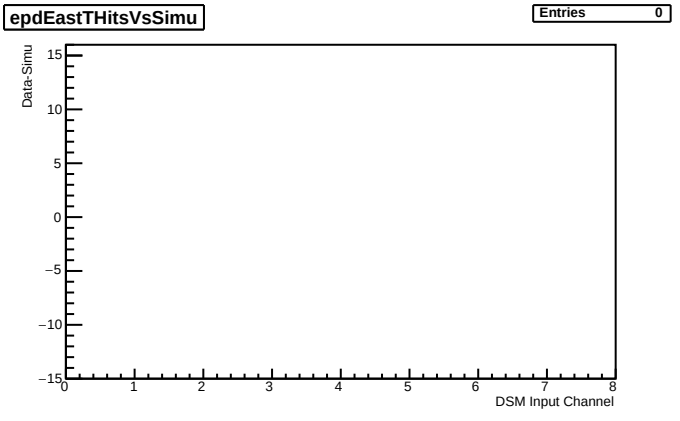
Entries 477103


bbcSmallWestTacMaxVsSimu
Entries 397882
Data
Simu


epdEastTacMax
Entries 3816824
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3816824
Truncated NHits
DSMInput Channel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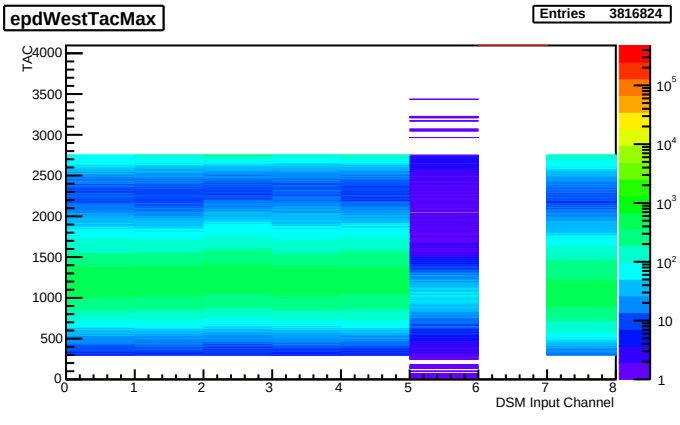
DSM Input Channel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Entries 3816824
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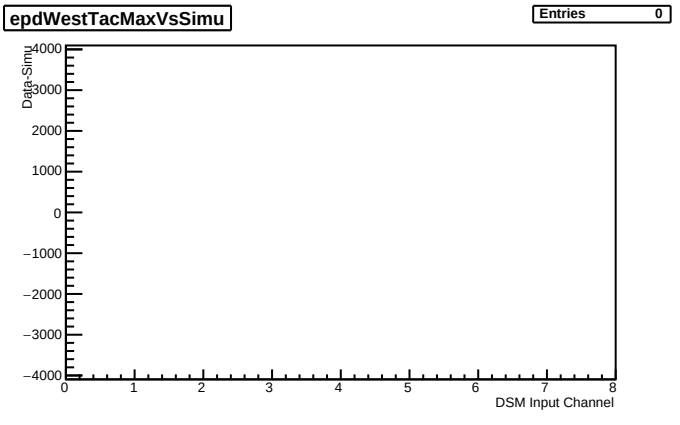
DSM Input Channel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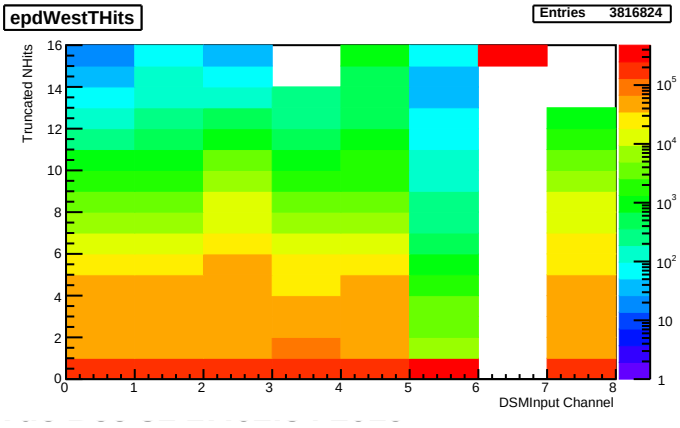
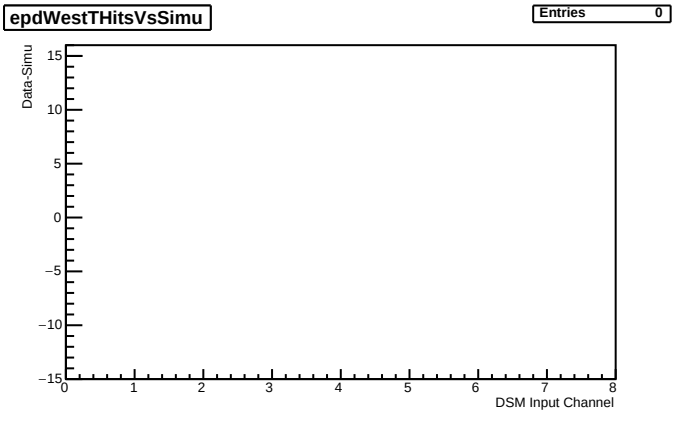
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3816824
Truncated NHits
DSMInput Channel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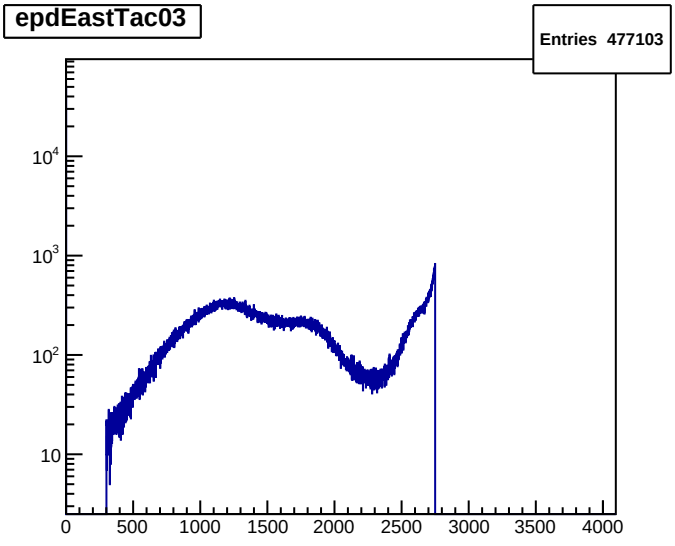
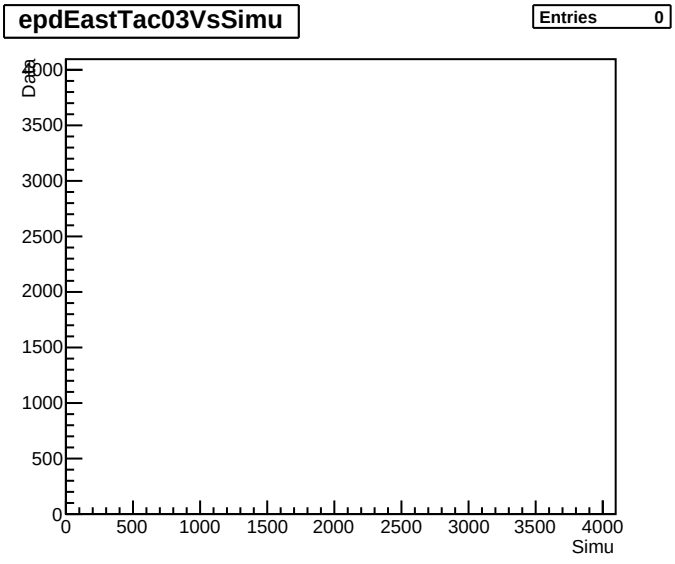
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 477103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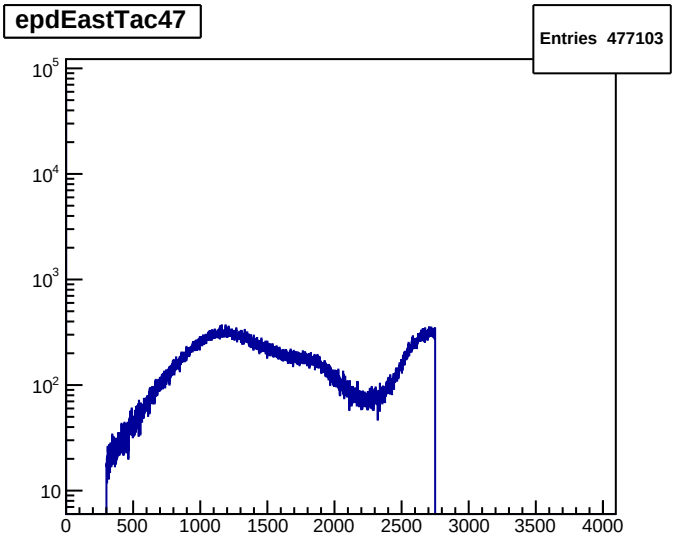
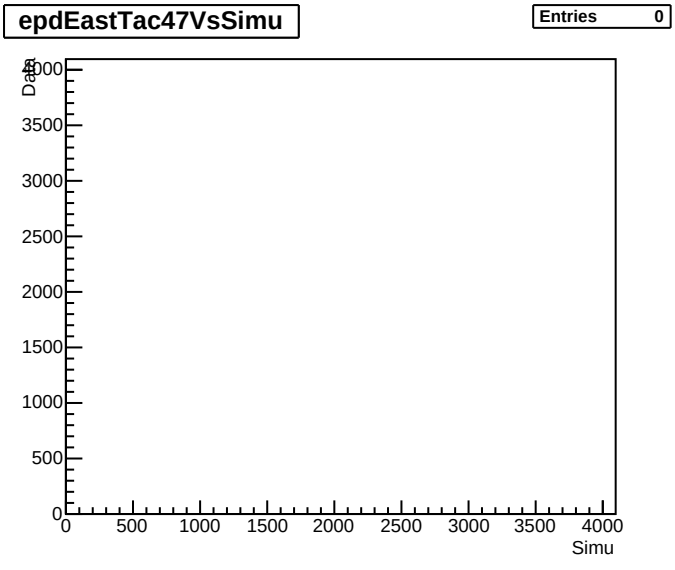
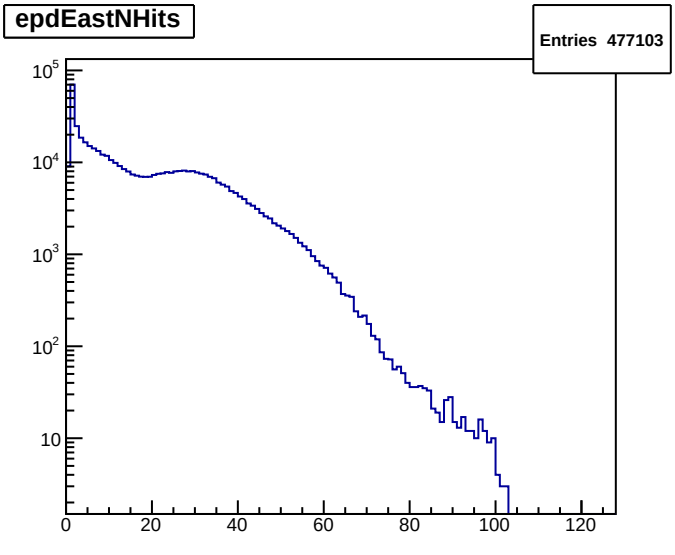
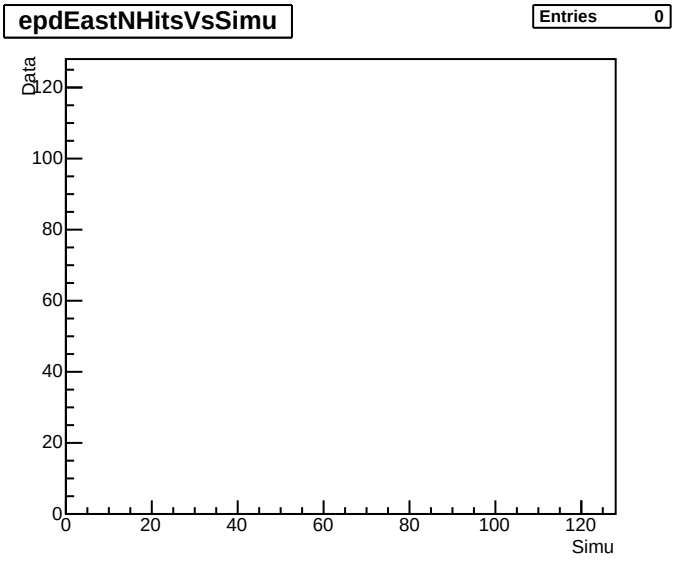
Entries 0
Data
Simu


epdEastTac47
Entries 477103


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 477103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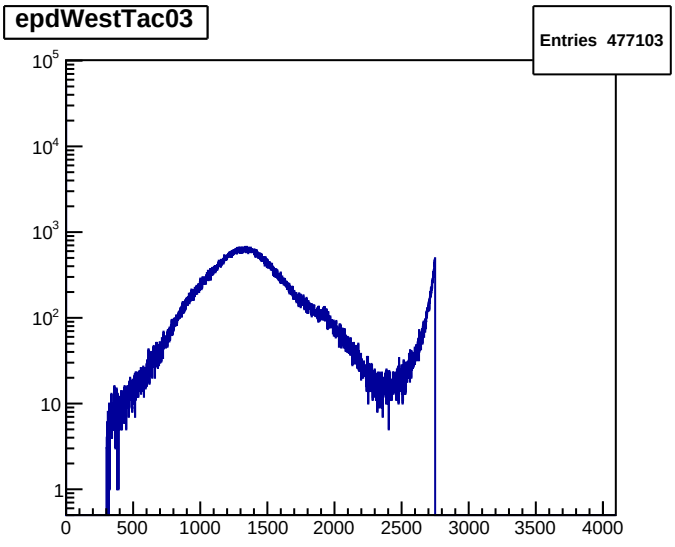
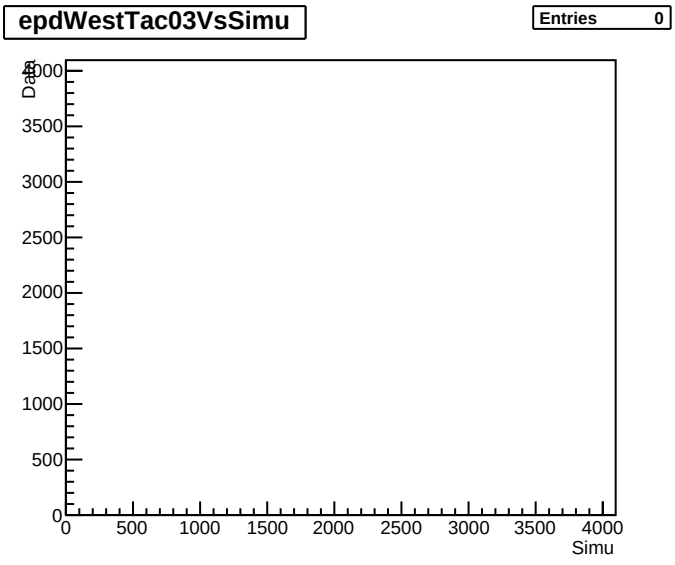
Entries 0
Data
Simu


epdWestTac03
Entries 477103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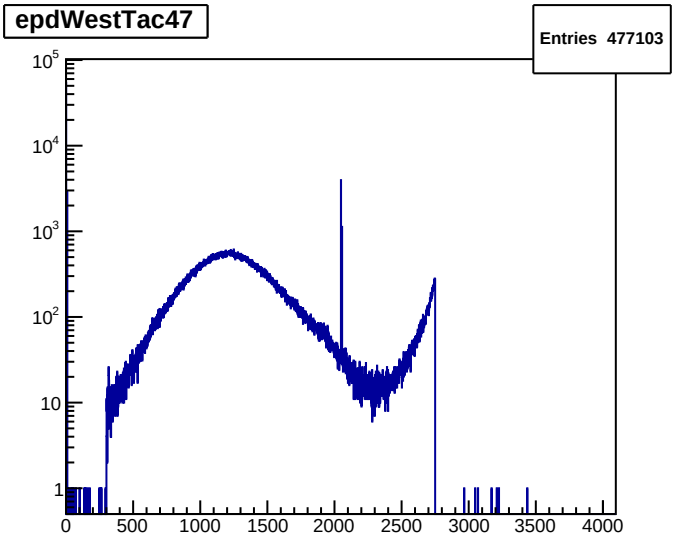
Entries 0
Data
Simu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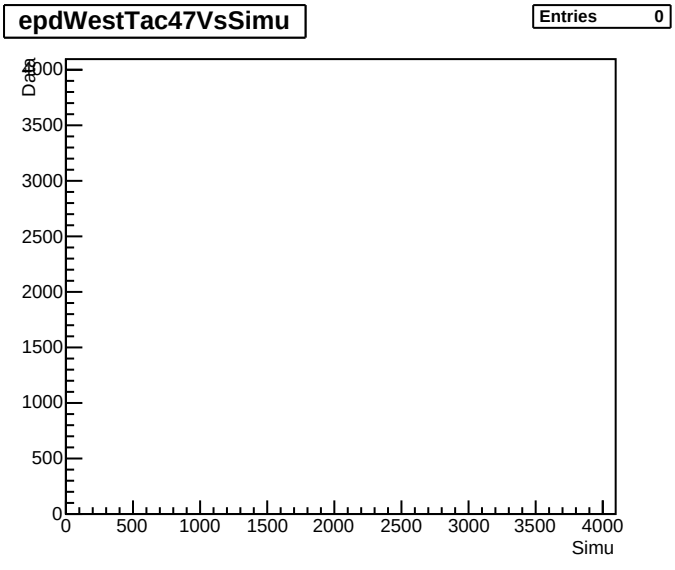
Entries 477103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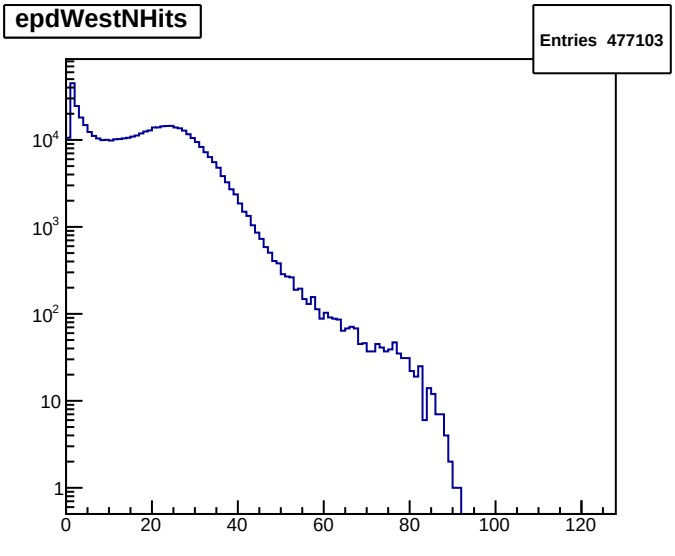
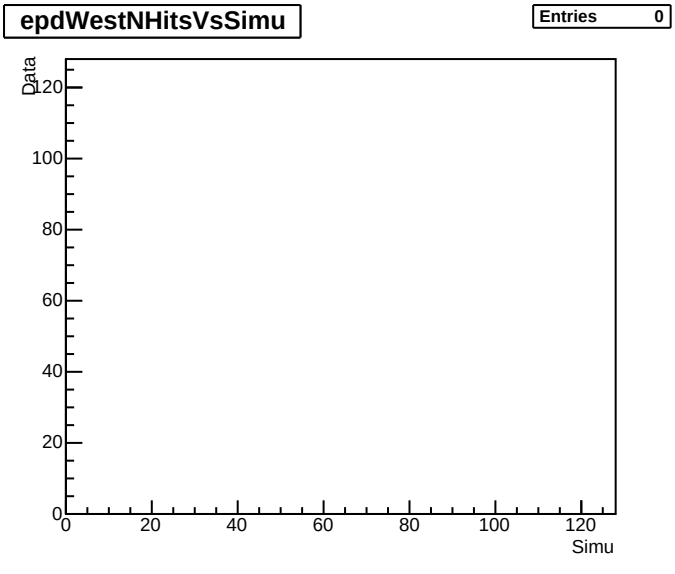
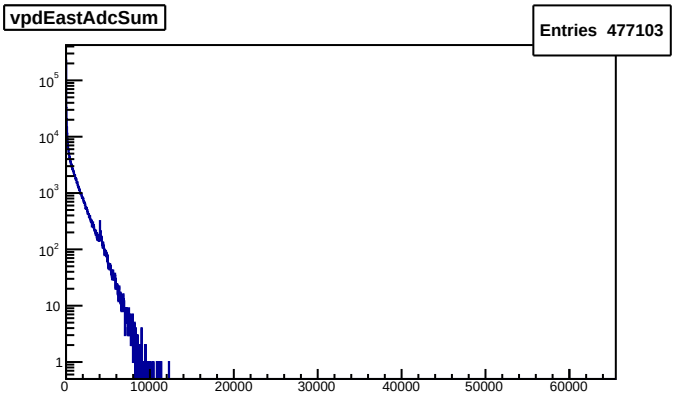
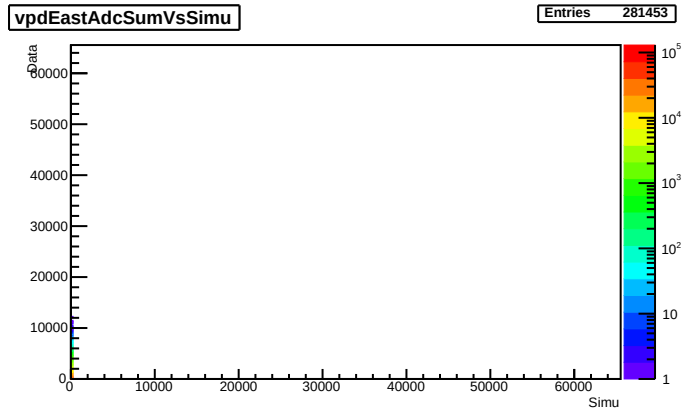
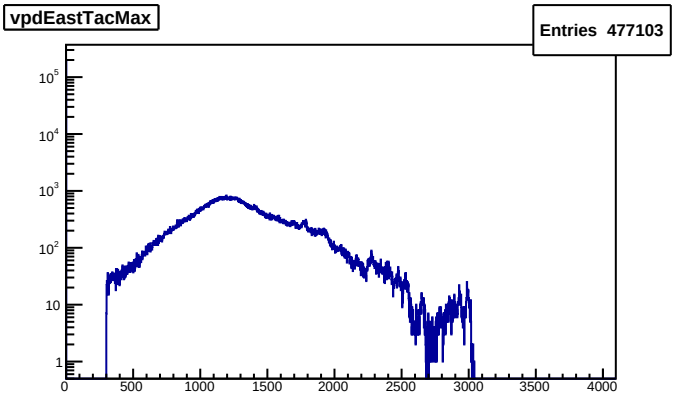
Entries 0
Data
Simu

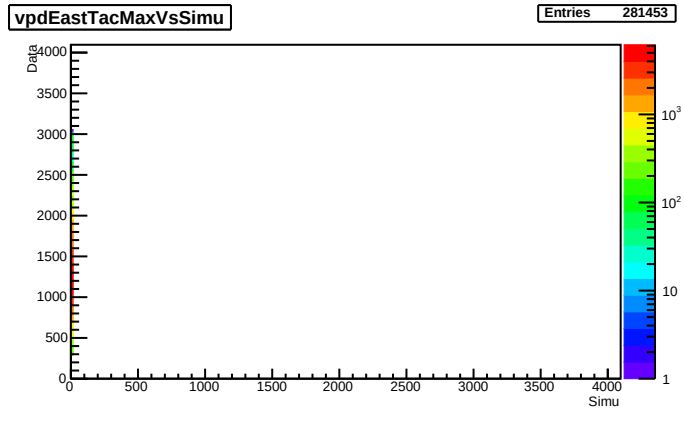

epdWestNHits
Entries 477103

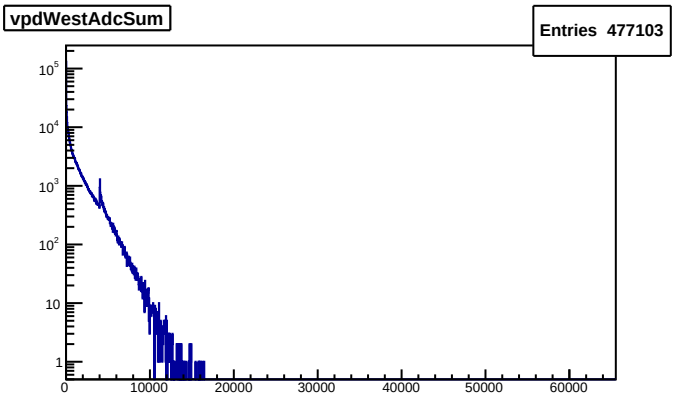

epdWestNHitsVsSimu
Entries 0
Data
Simu

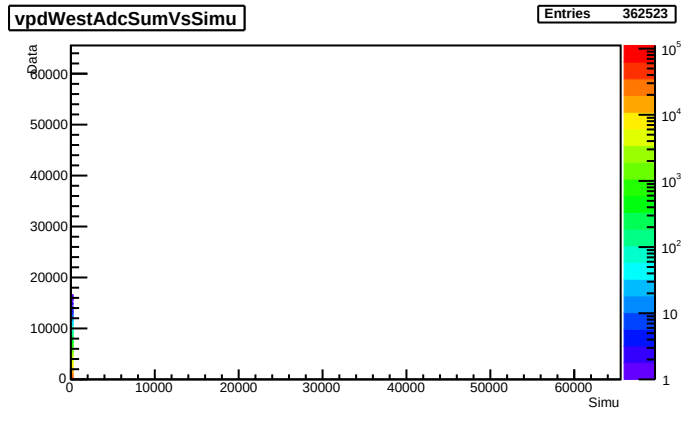

vpdEastAdcSum
Entries 477103

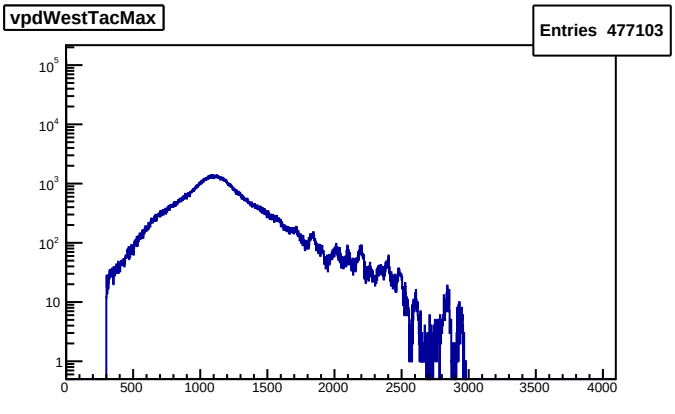

vpdEastAdcSumVsSimu
Entries 281453
Data
Simu

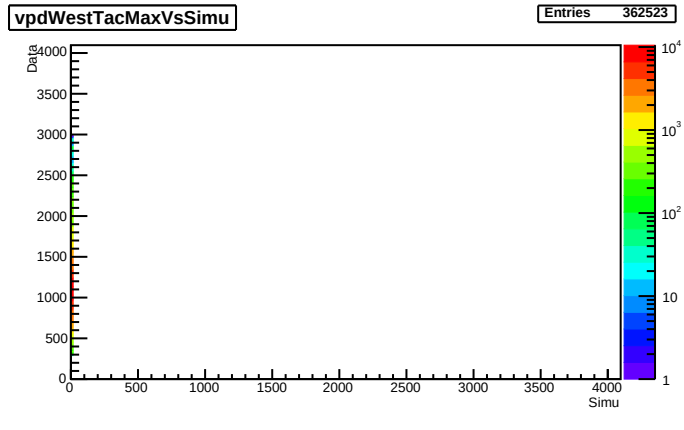

vpdEastTacMax
Entries 477103

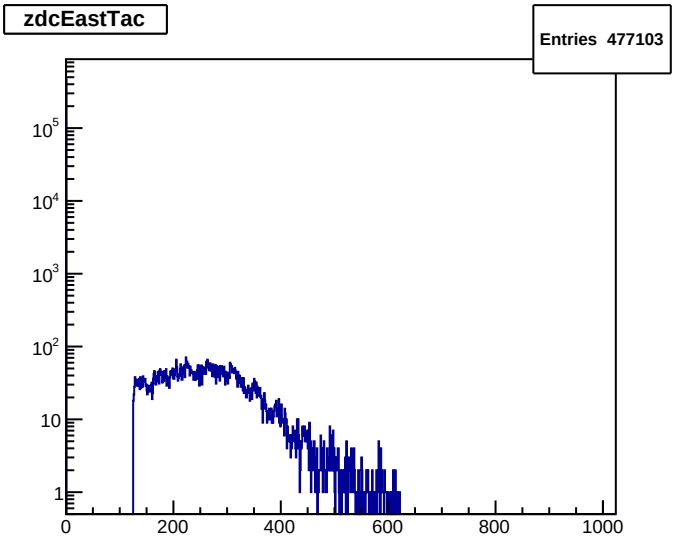

vpdEastTacMaxVsSimu
Entries 281453
Data
Simu

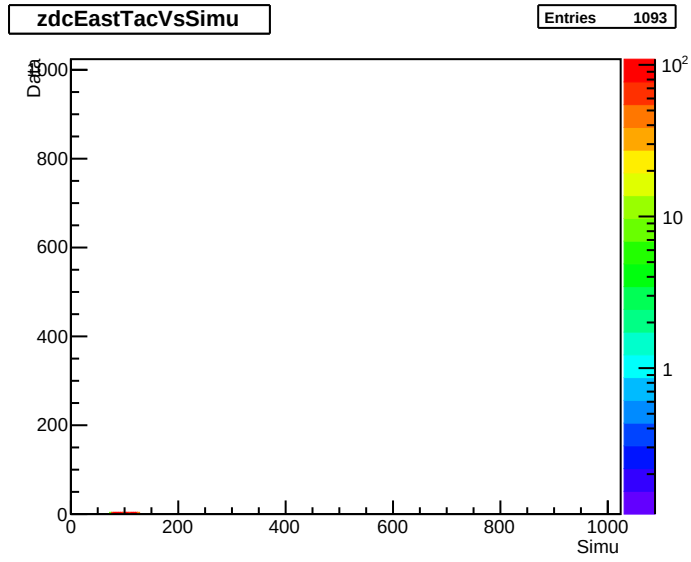

vpdWestAdcSum
Entries 477103

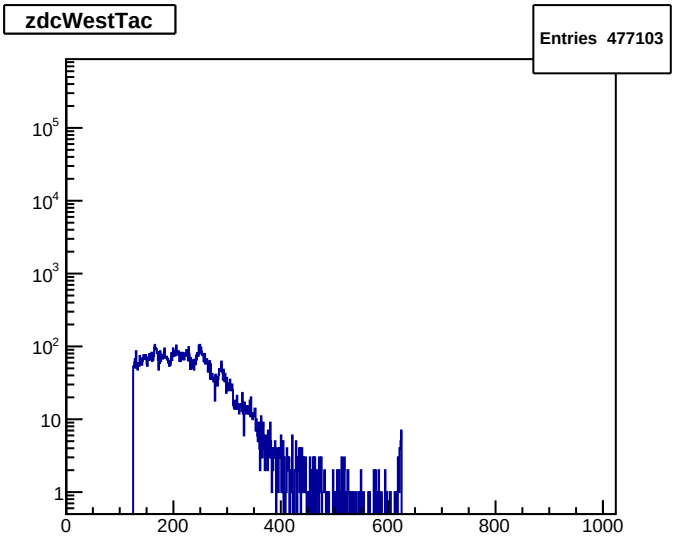

vpdWestAdcSumVsSimu
Entries 362523
Data
Simu

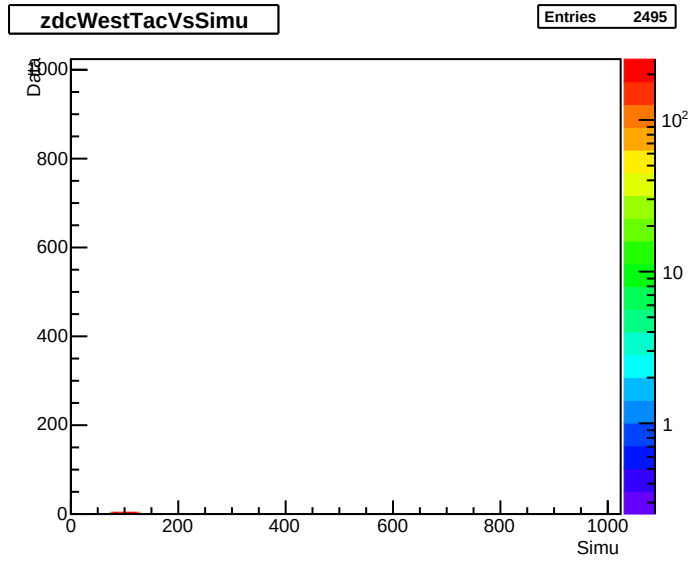

vpdWestTacMax
Entries 477103

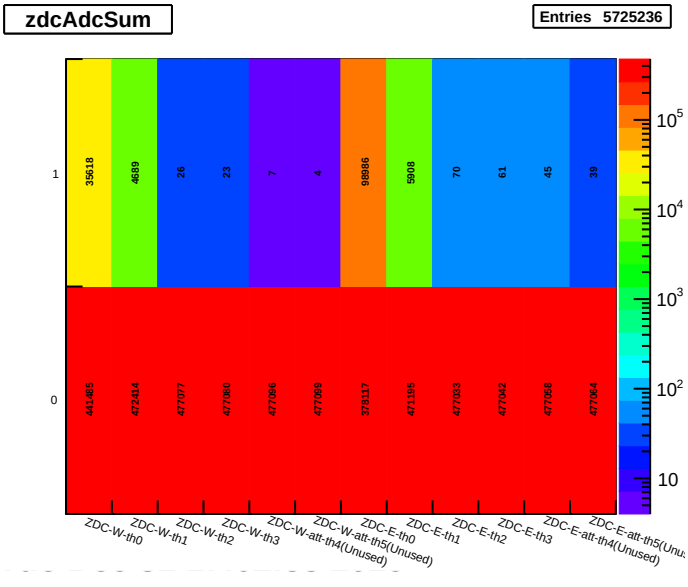

vpdWestTacMaxVsSimu
Entries 362523
Data
Simu

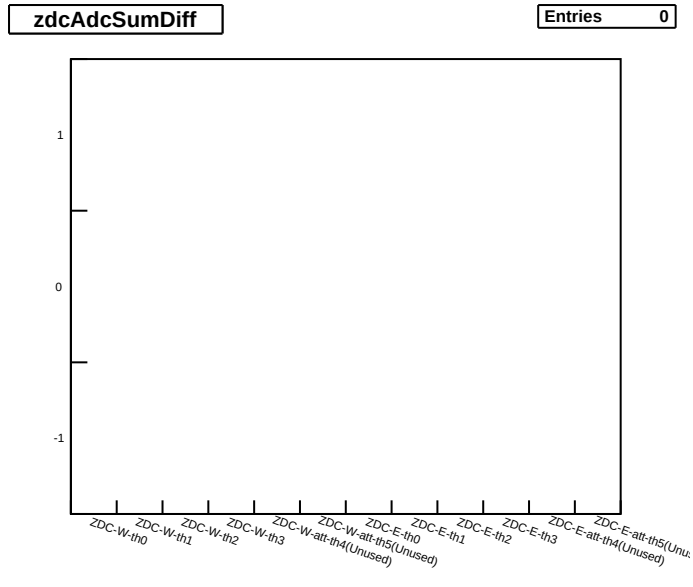

zdcEastTac
Entries 477103

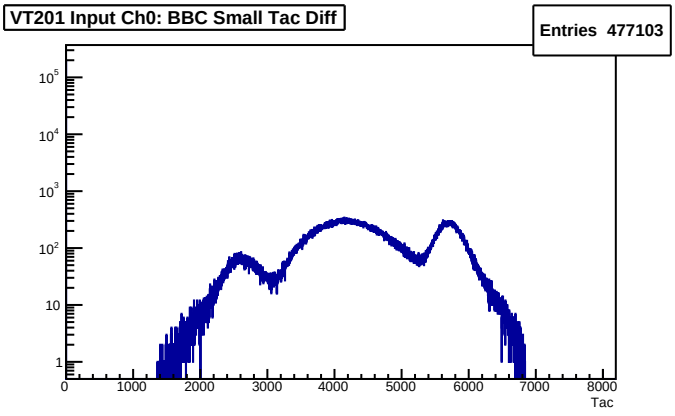

zdcEastTacVsSimu
Entries 1093
Data
Simu

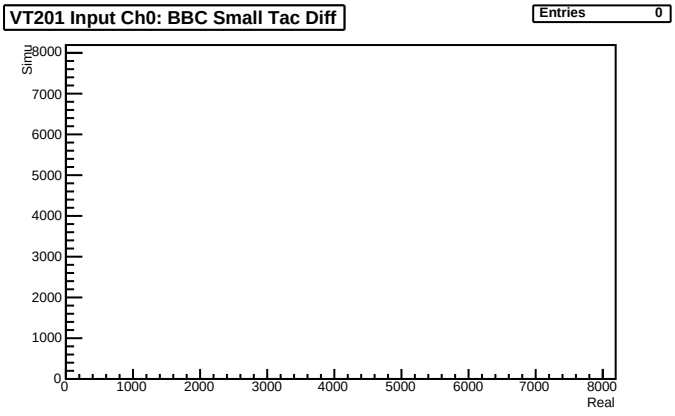

zdcWestTac
Entries 477103

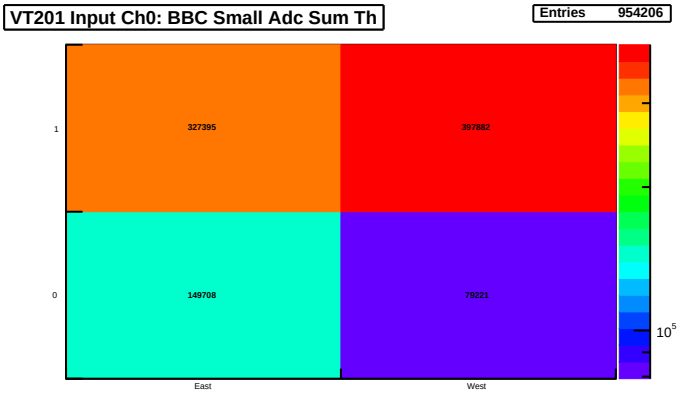

zdcWestTacVsSimu
Entries 2495
Data
Simu

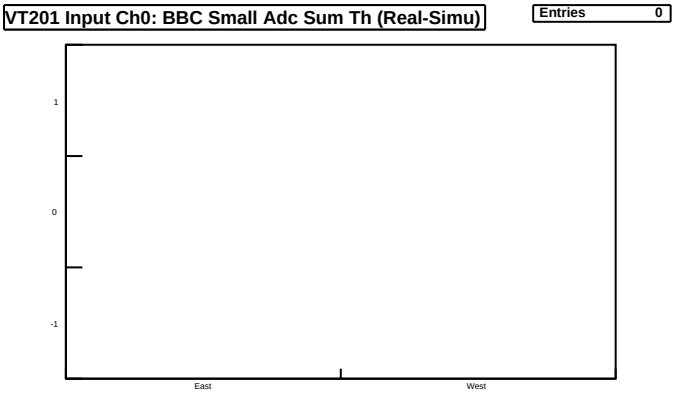

zdcAdcSum
Entries 5725236
35618
4689
26
23
7
4
98986
5908
70
61
45
39
441485
472414
477077
477080
477096
477099
378117
471195
477033
477042
477058
477064
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

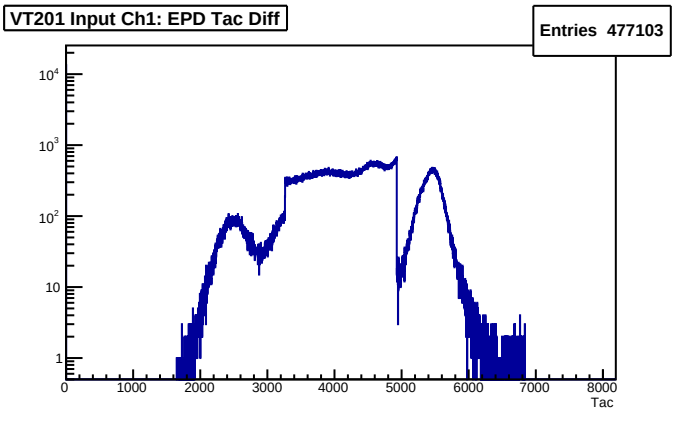

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

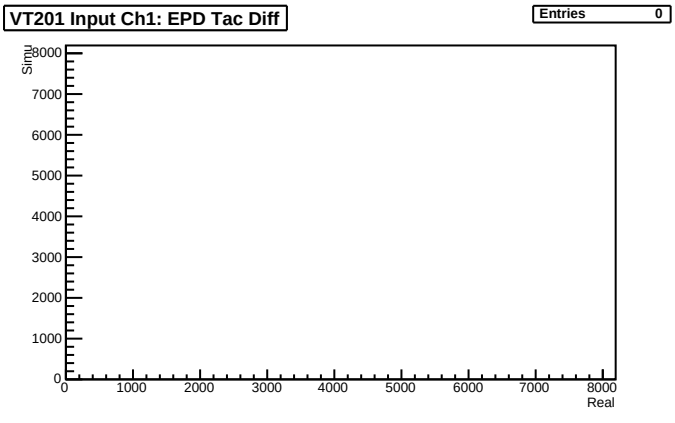

VT201 Input Ch0: BBC Small Tac Diff
Entries 477103
Tac

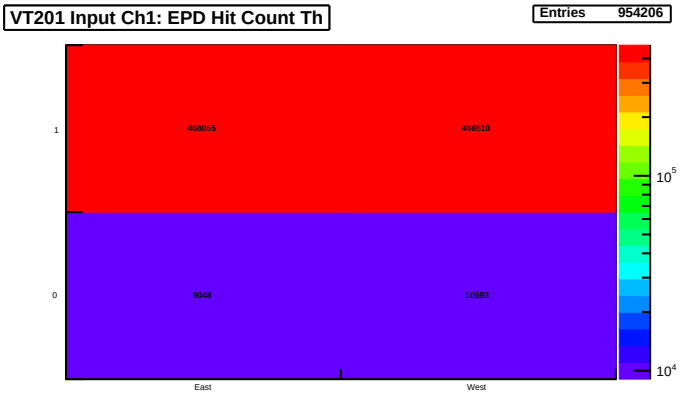

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

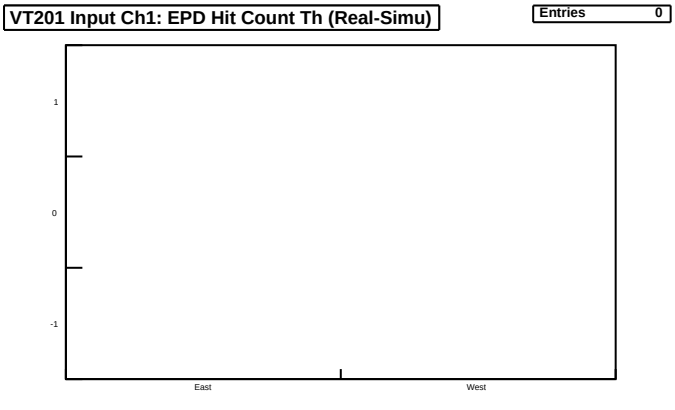

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 954206
327395
397882
149708
79221
East
West

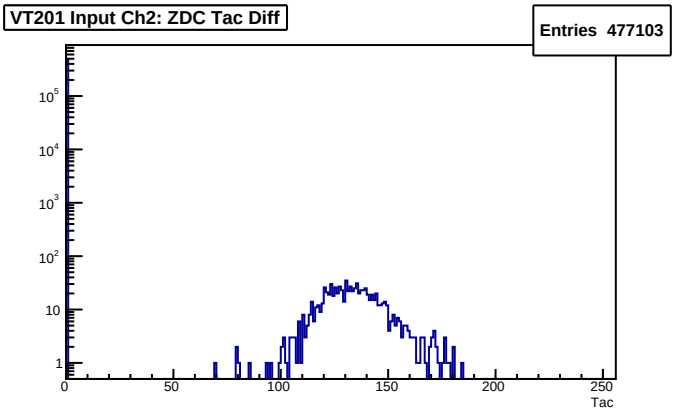

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

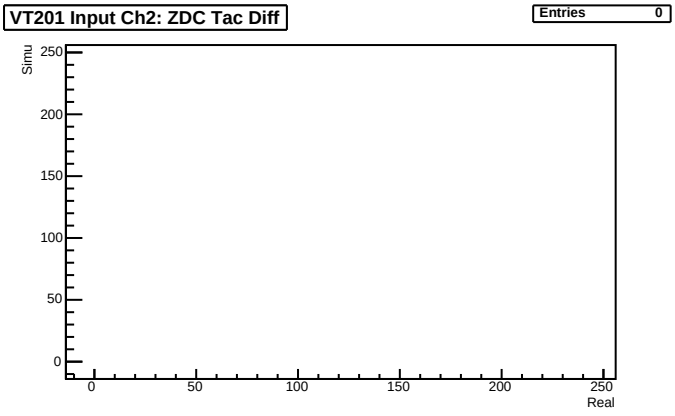

VT201 Input Ch1: EPD Tac Diff
Entries 477103
Tac

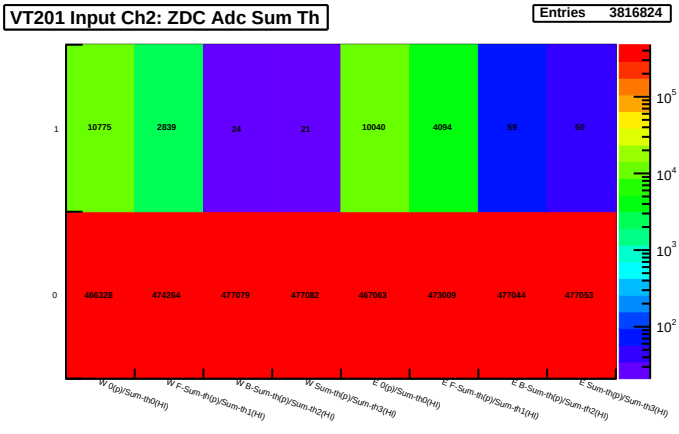

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

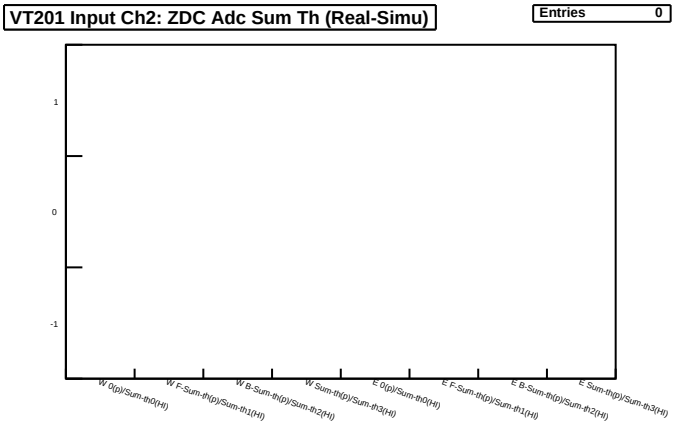

VT201 Input Ch1: EPD Hit Count Th
Entries 954206
468055
466510
9048
10593
East
West

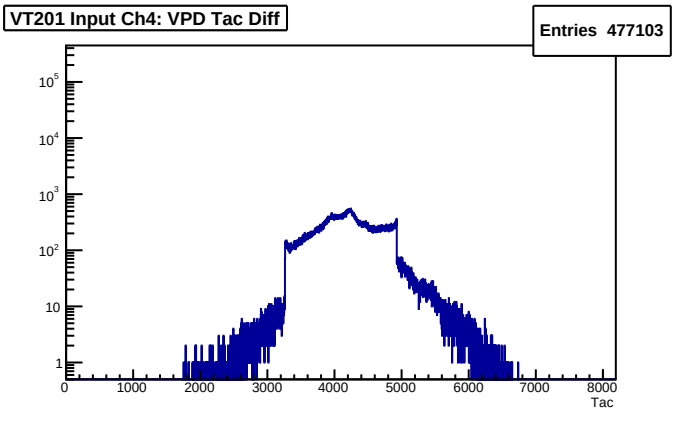

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

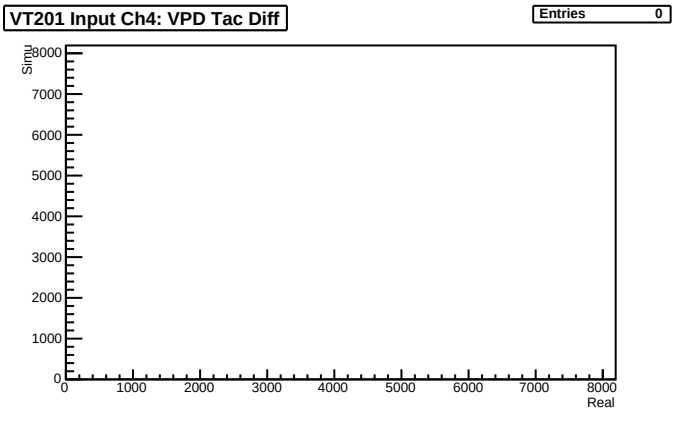

VT201 Input Ch2: ZDC Tac Diff
Entries 477103
Tac

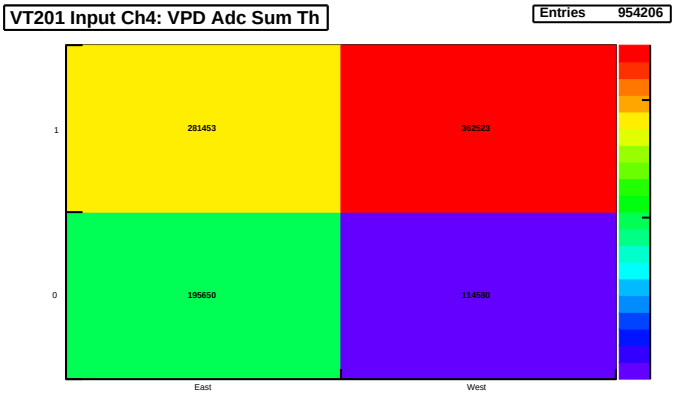

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

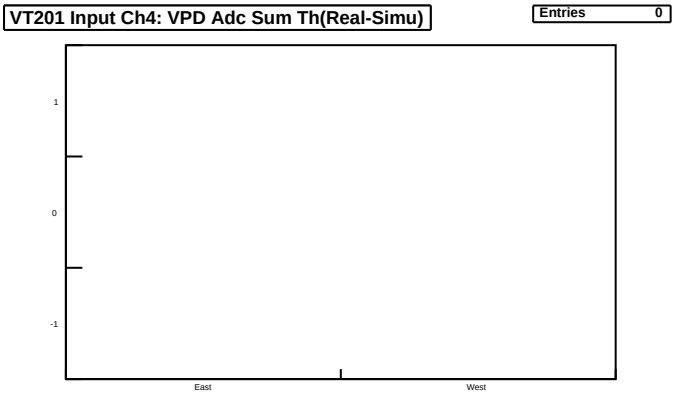

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3816824
10775
2839
24
21
10040
4094
59
50
466328
474264
477079
477082
467063
473009
477044
477053
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

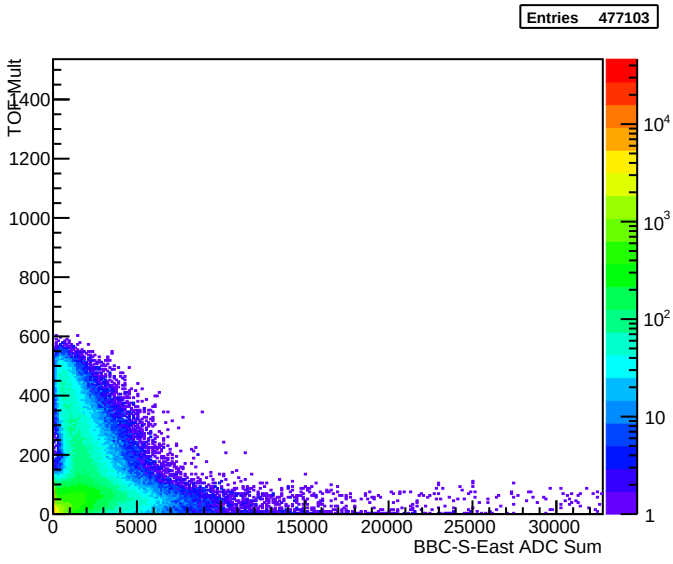

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

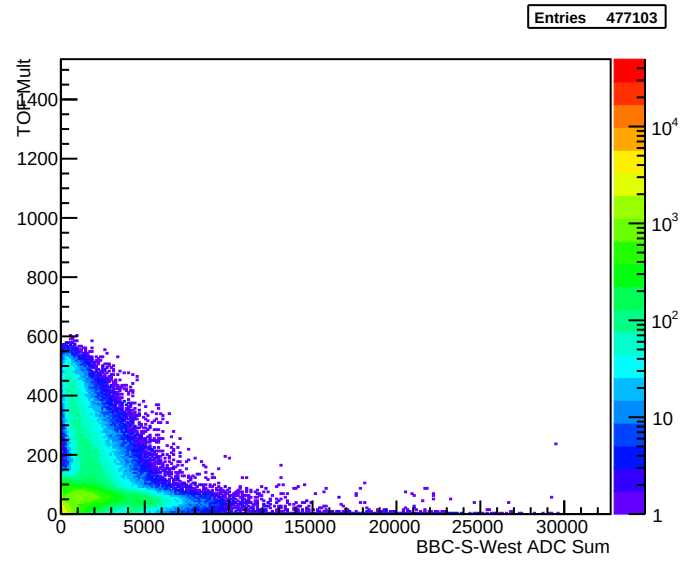

VT201 Input Ch4: VPD Tac Diff
Entries 477103
Tac

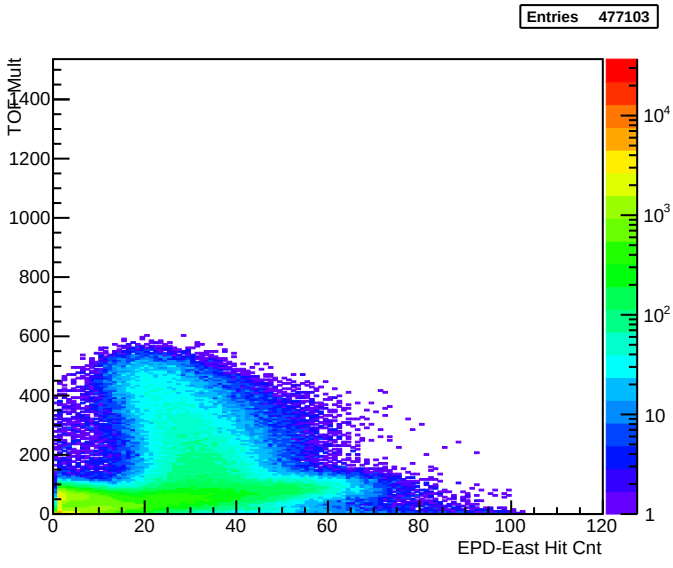

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

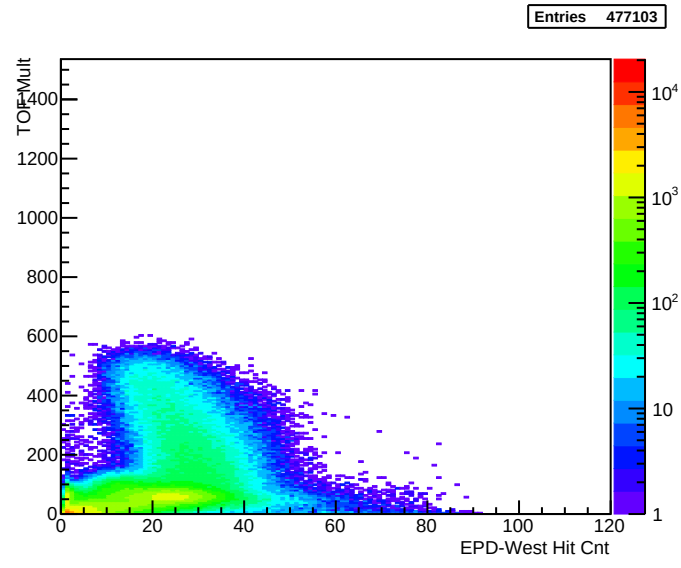

VT201 Input Ch4: VPD Adc Sum Th
Entries 954206
281453
362523
195650
114580
East
West

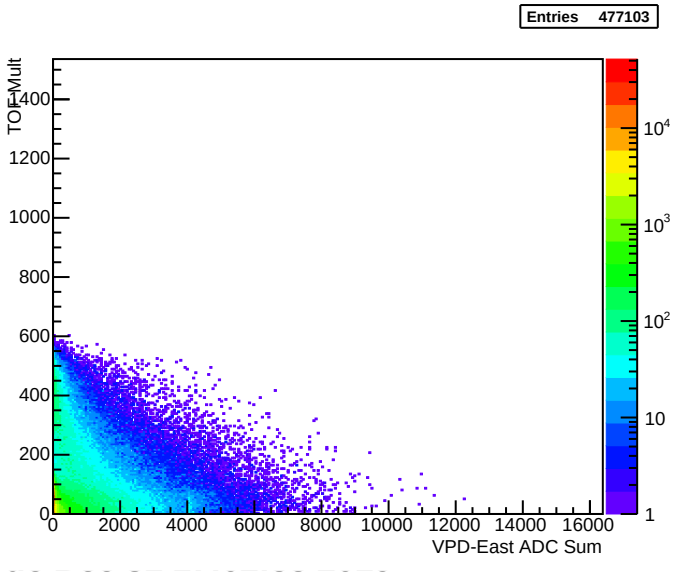

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

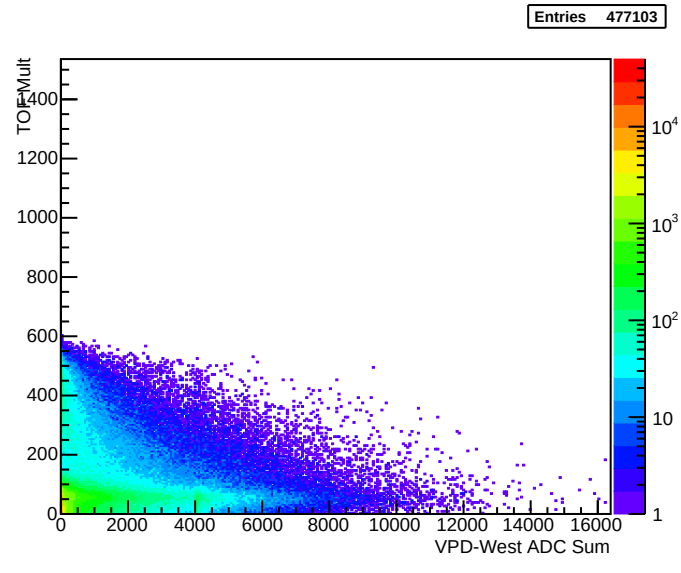

Entries 477103
TOF-Mult
BBC-S-East ADC Sum

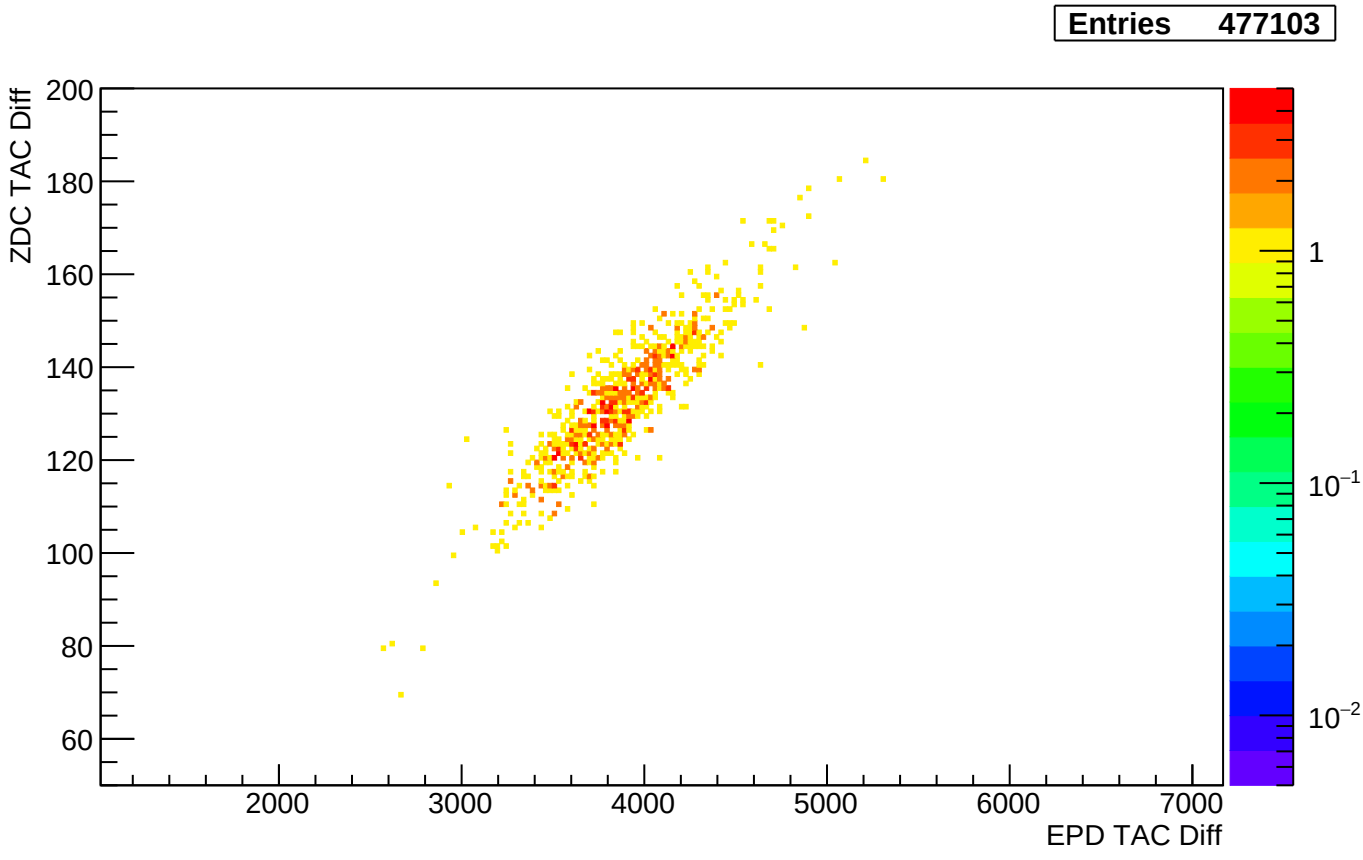

Entries 477103
TOF-Mult
BBC-S-West ADC Sum

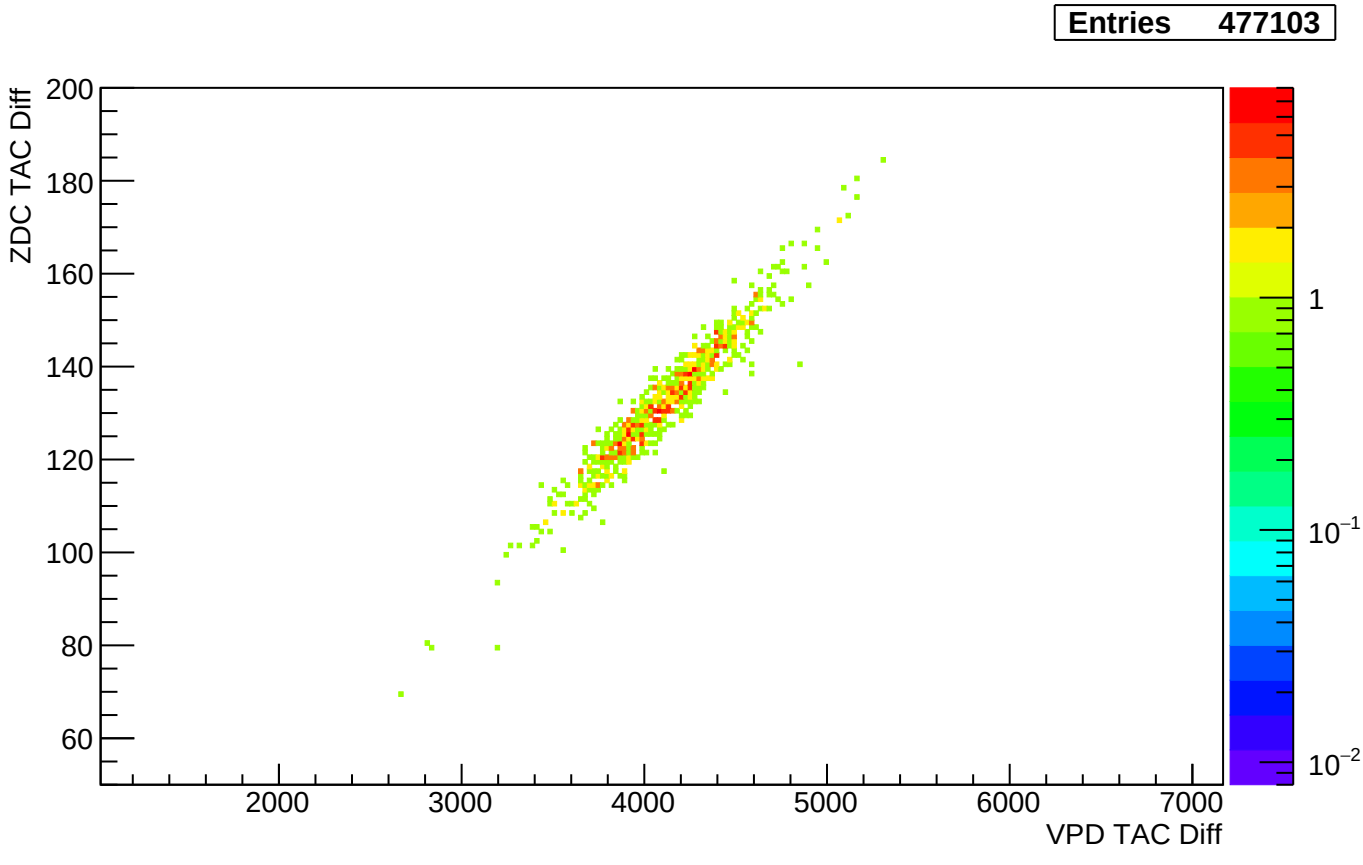

Entries 477103
TOF-Mult
EPD-East Hit Cnt

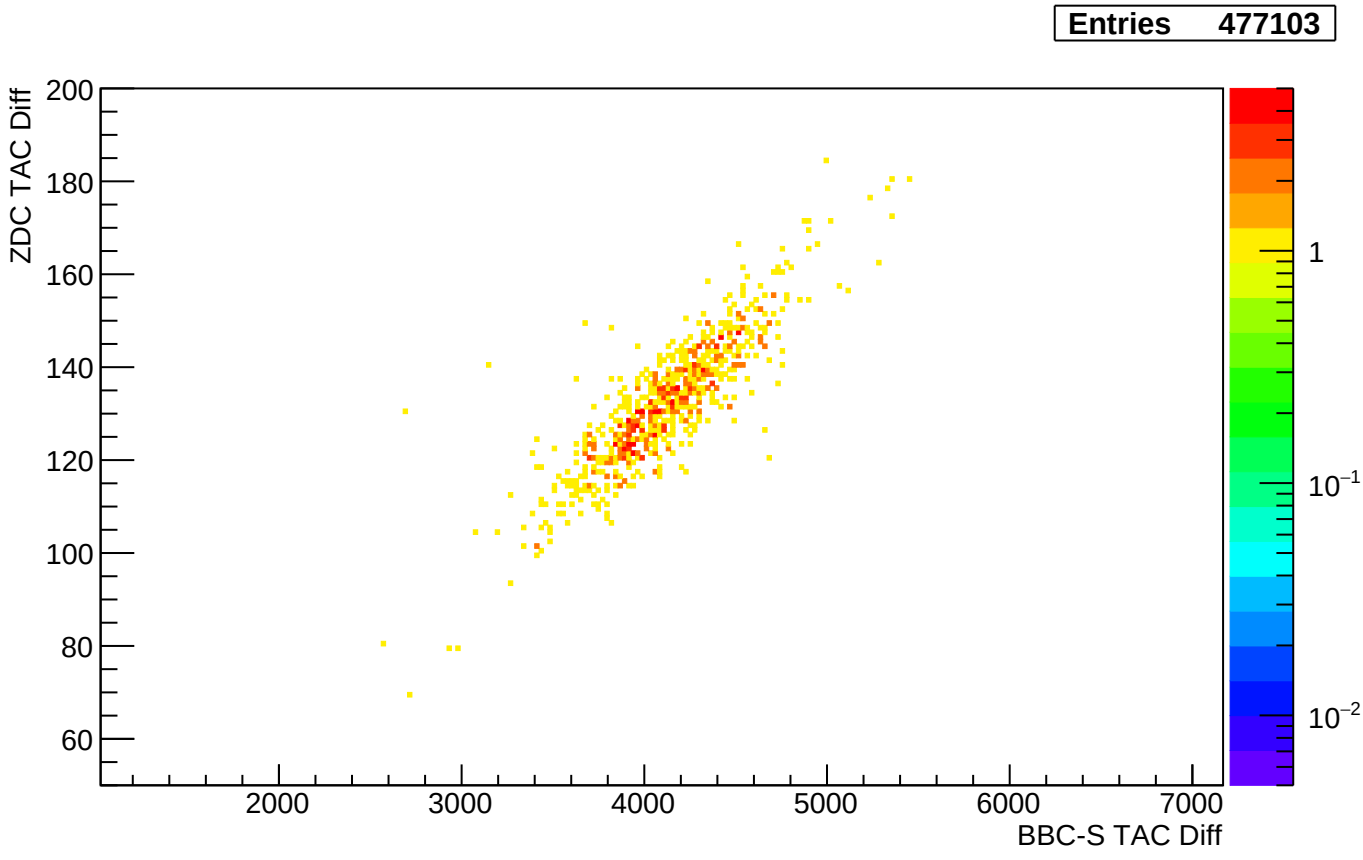

Entries 477103
TOF-Mult
EPD-West Hit Cnt

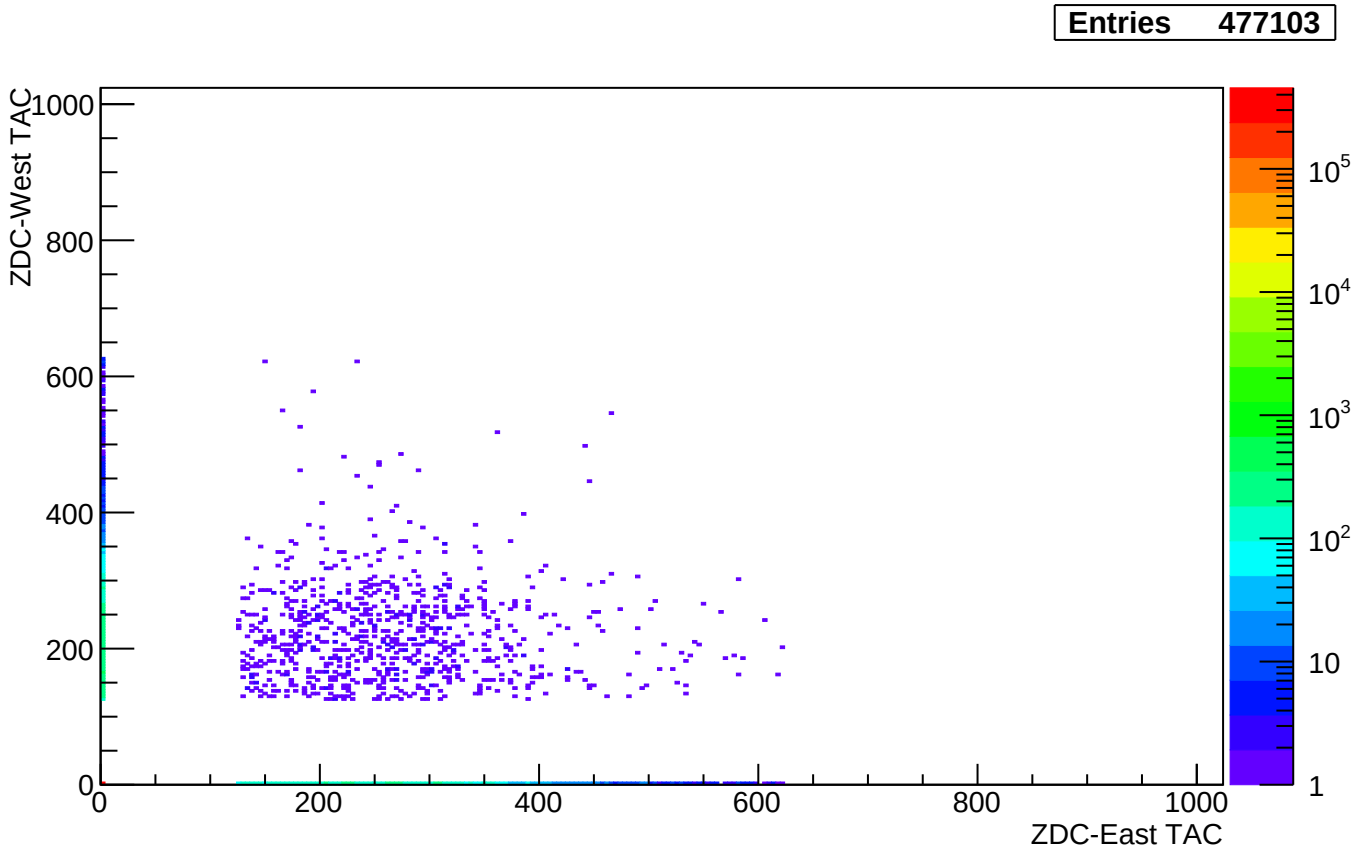

Entries 477103
TOF-Mult
VPD-East ADC Sum

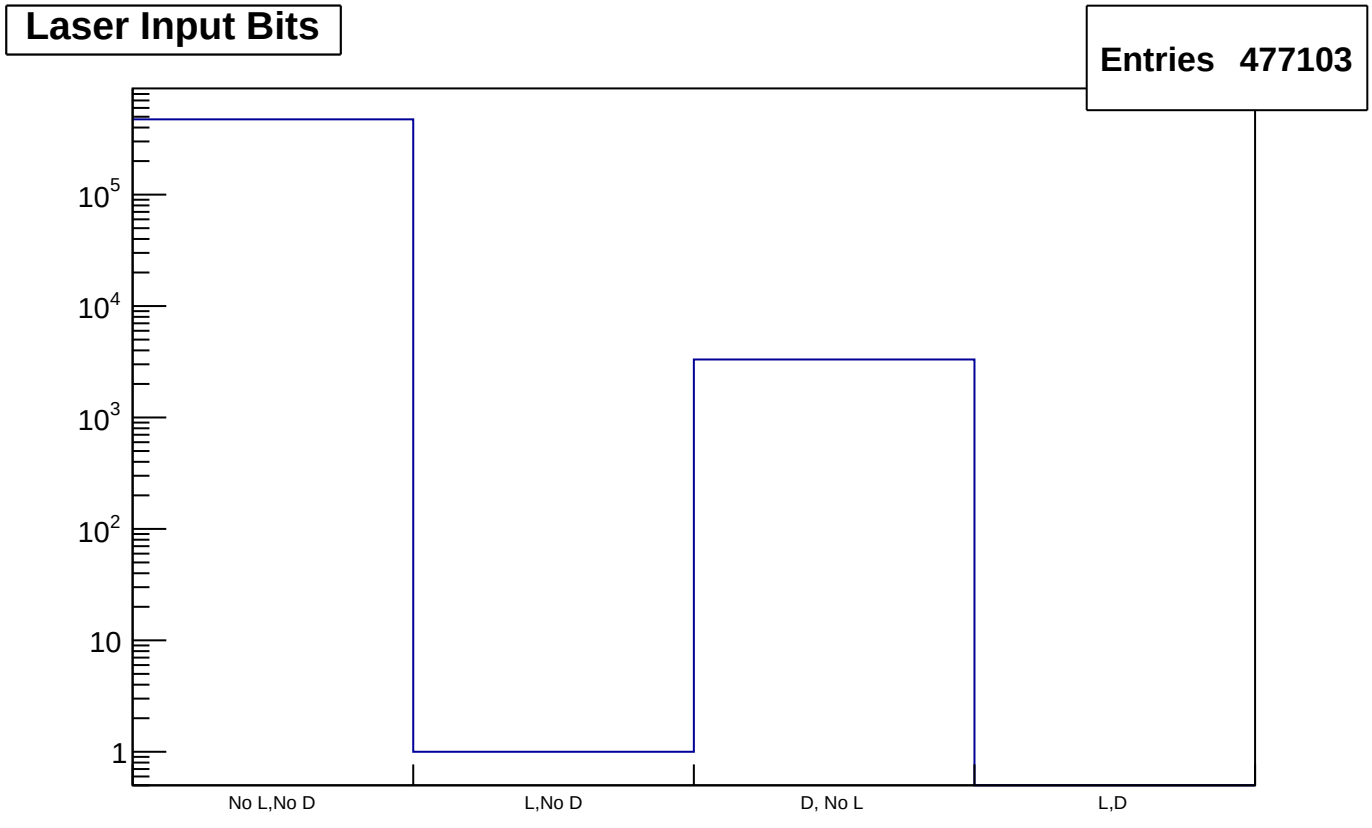

Entries 477103
TOF-Mult
VPD-West ADC Sum

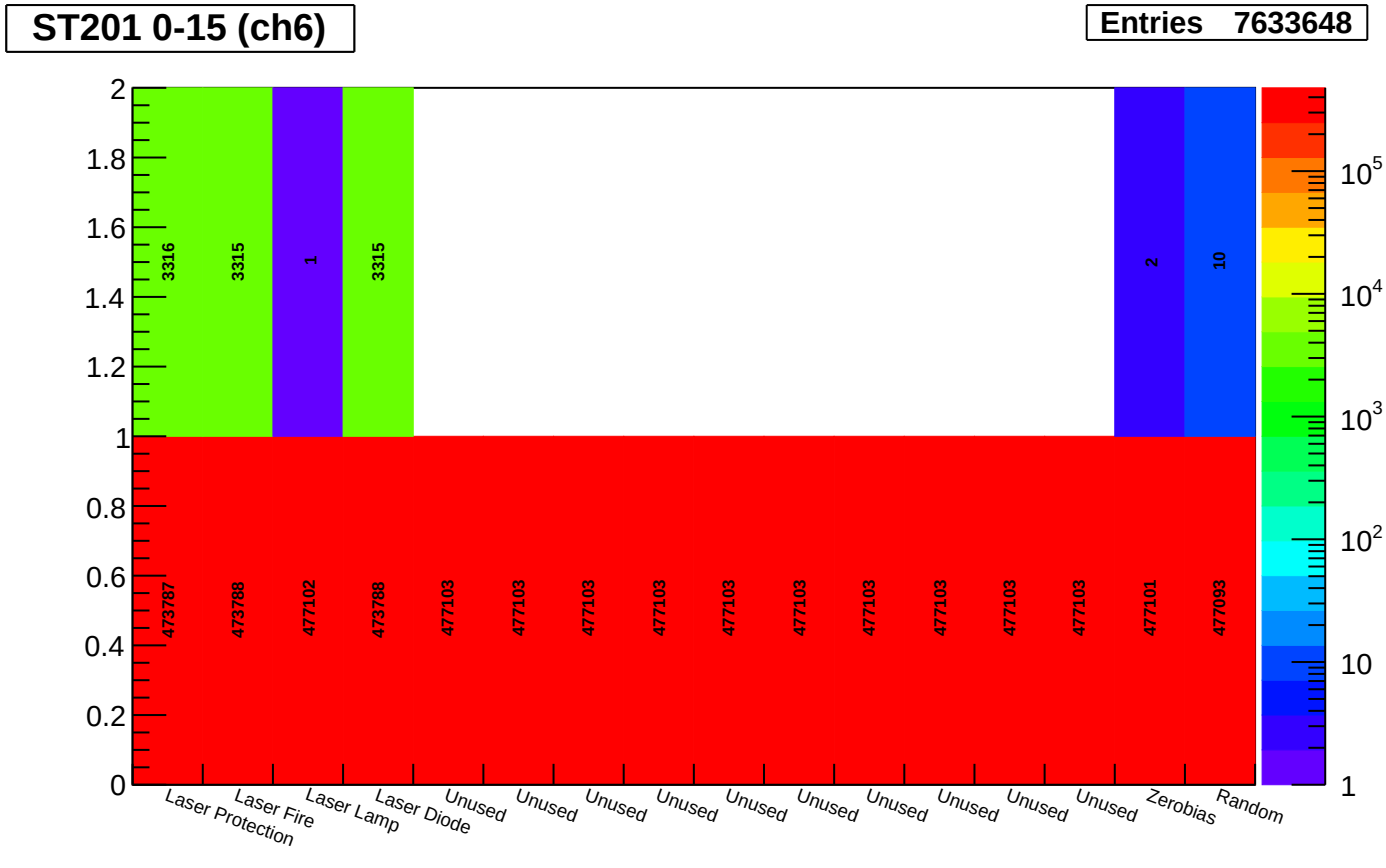

Entries 477103
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

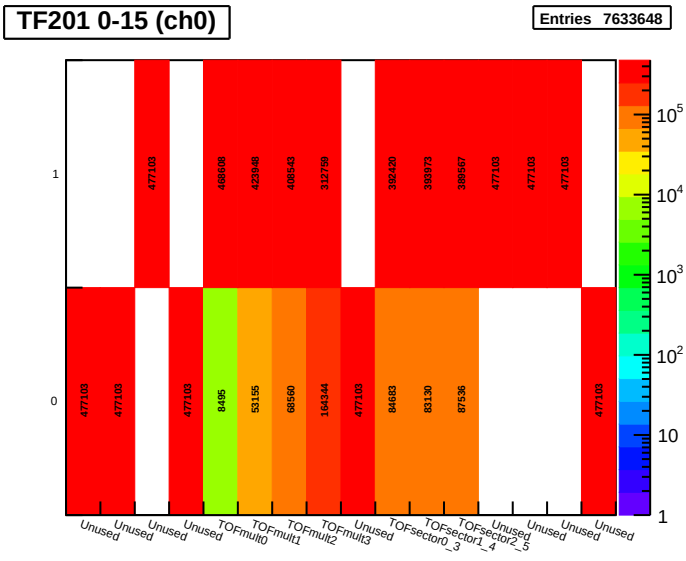

Entries 477103
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

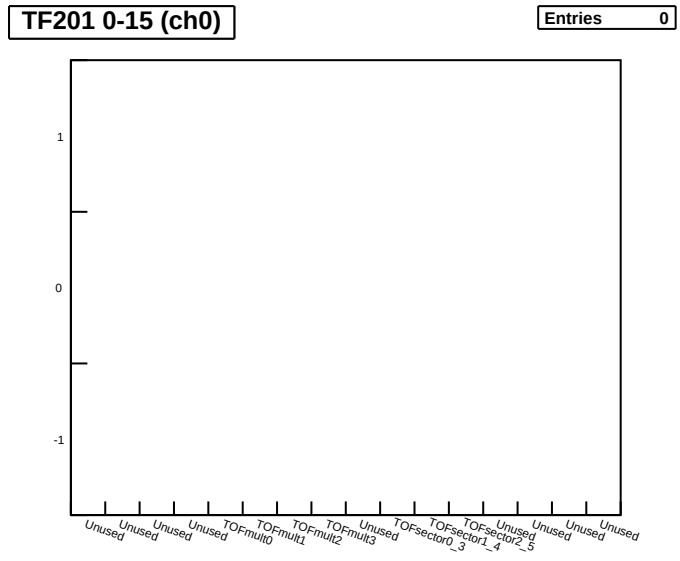

Entries 477103
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

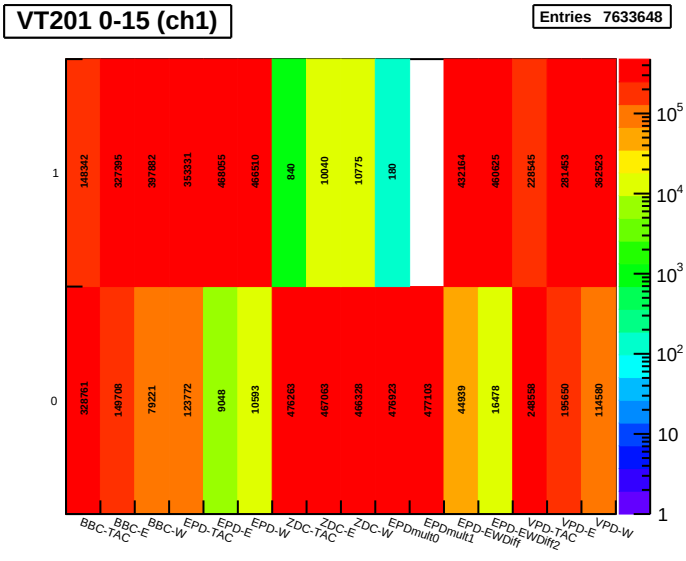

Entries 477103
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

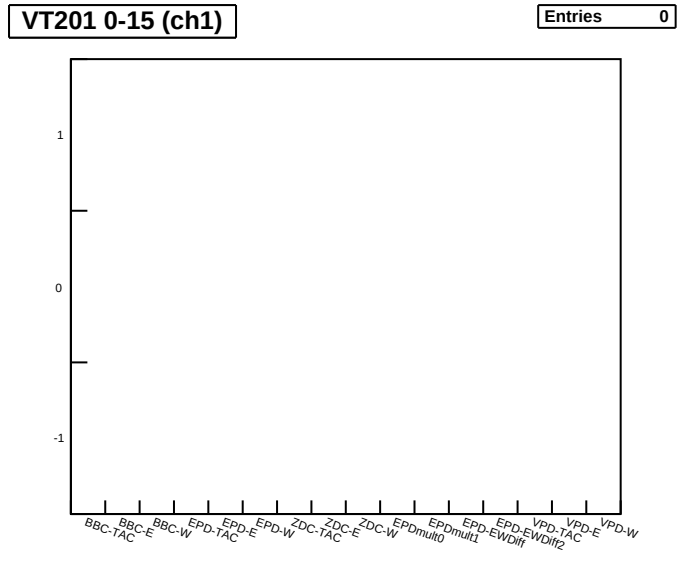

Laser Input Bits
Entries 477103
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

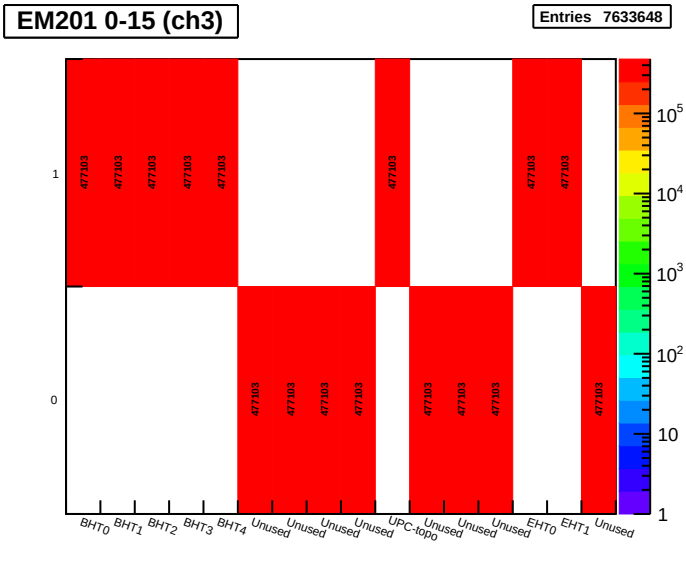

ST201 0-15 (ch6)
Entries 7633648
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3316
3315
1
3315
2
10
473787
473788
477102
473788
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
477101
477093
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

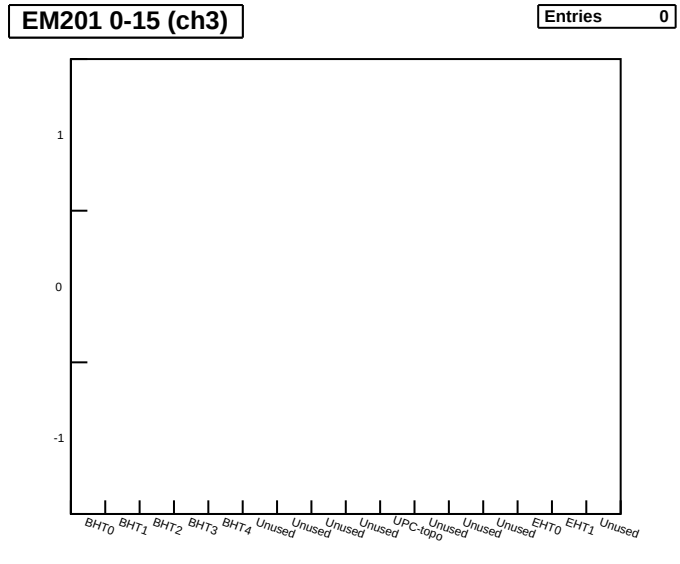

TF201 0-15 (ch0)
Entries 7633648
1
0
477103
468608
423948
408543
312759
392420
393973
389567
477103
477103
477103
477103
477103
477103
477103
8495
53155
68560
164344
477103
84683
83130
87536
477103
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 7633648
1
0
148342
327395
397882
353331
468055
466510
840
10040
10775
180
432164
460625
228545
281453
362523
328761
149708
79221
123772
9048
10593
476263
467063
466328
476923
477103
44939
16478
248558
195650
114580
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 7633648
1
0
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
477103
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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