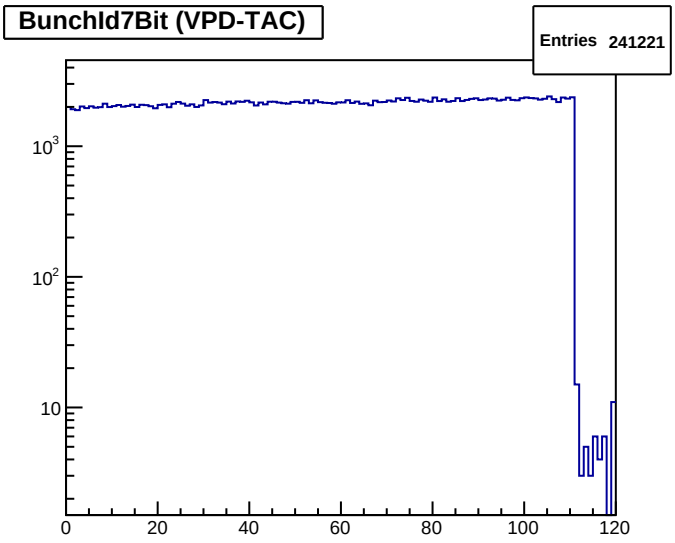
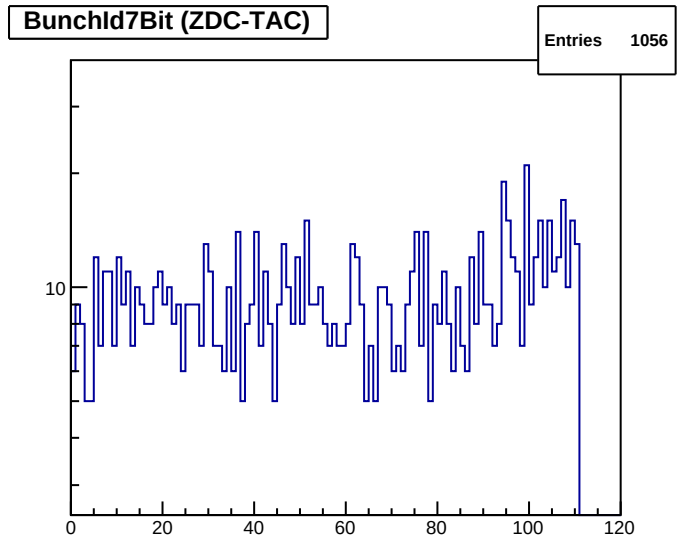
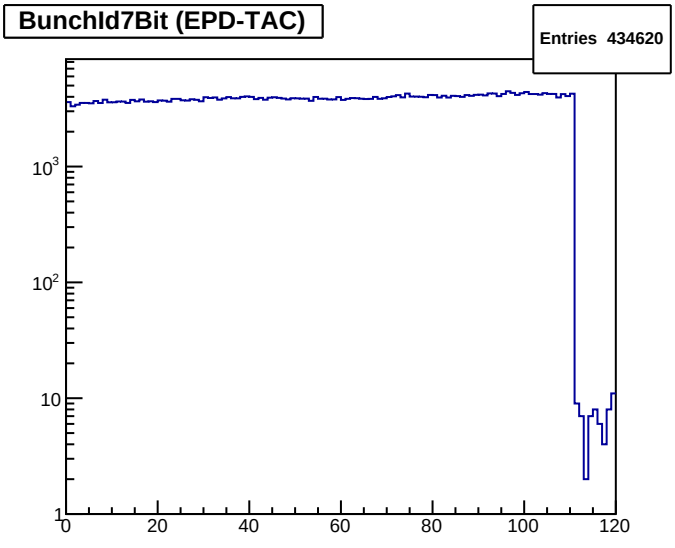
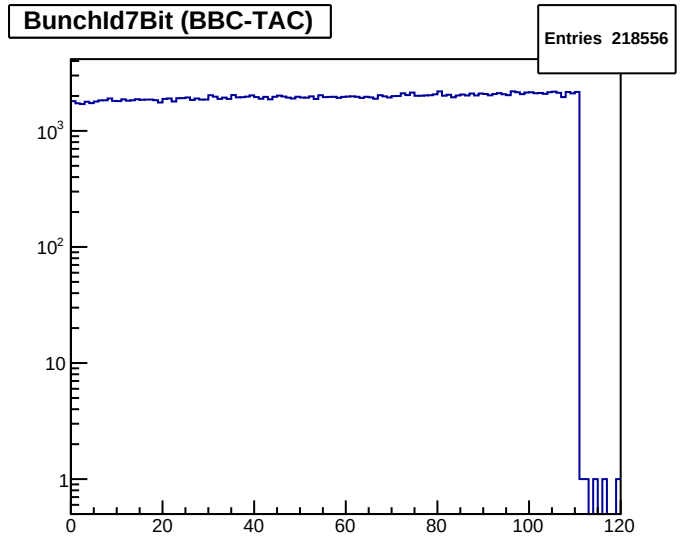
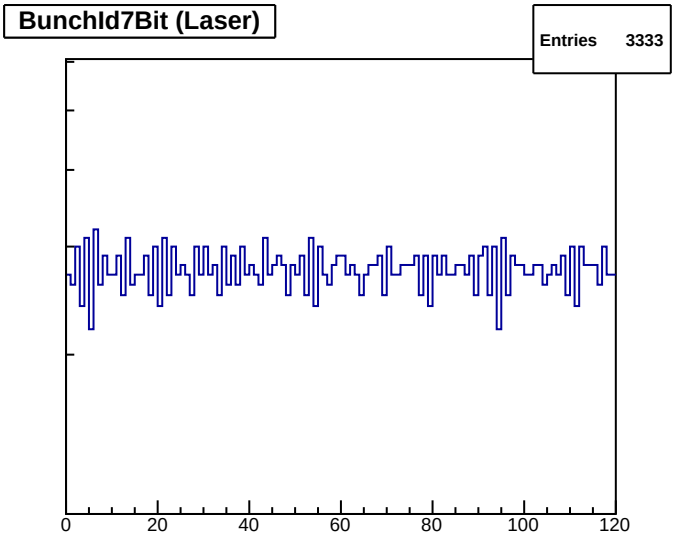
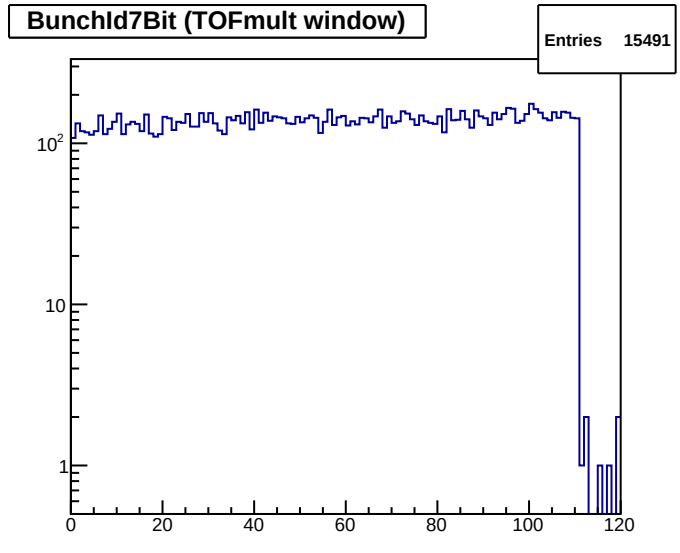

BunchId7Bit (VPD-TAC)
Entries 241221
10^3
10^2
10
0
20
40
60
80
100
120

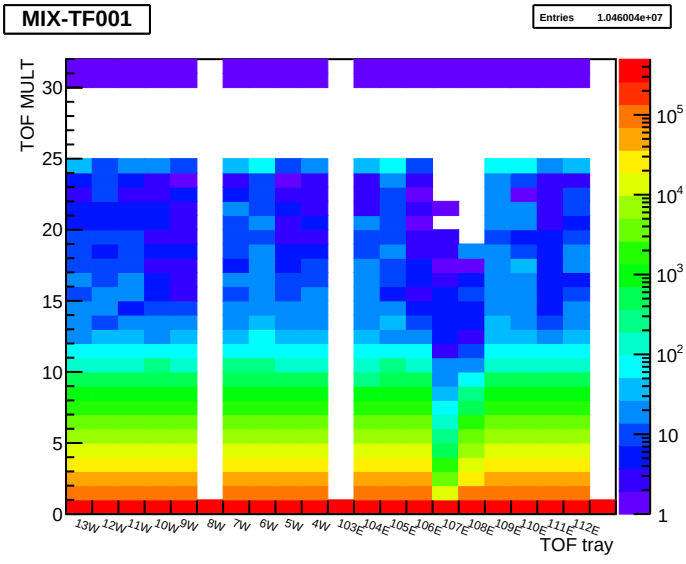

BunchId7Bit (ZDC-TAC)
Entries 1056
10
0
20
40
60
80
100
120

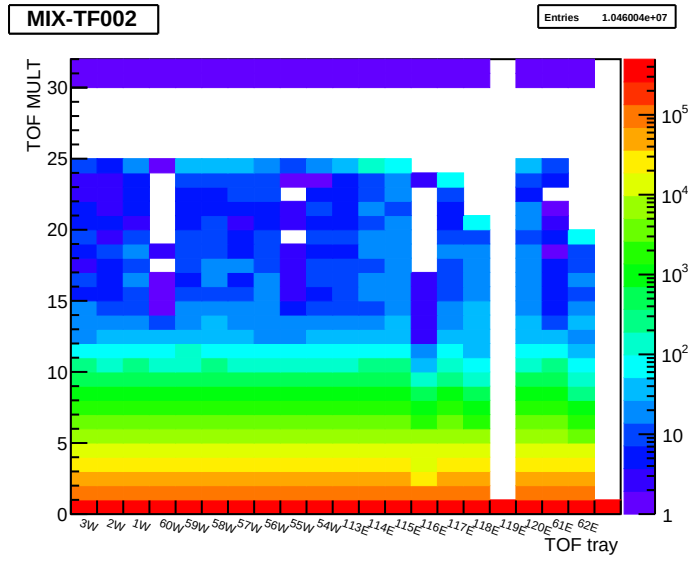

BunchId7Bit (EPD-TAC)
Entries 434620
10^3
10^2
10
1
0
20
40
60
80
100
120

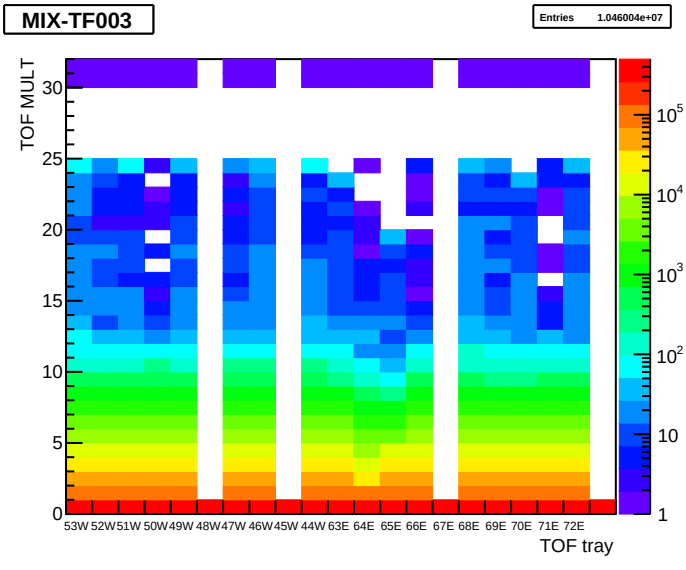

BunchId7Bit (BBC-TAC)
Entries 218556
10^3
10^2
10
1
0
20
40
60
80
100
120

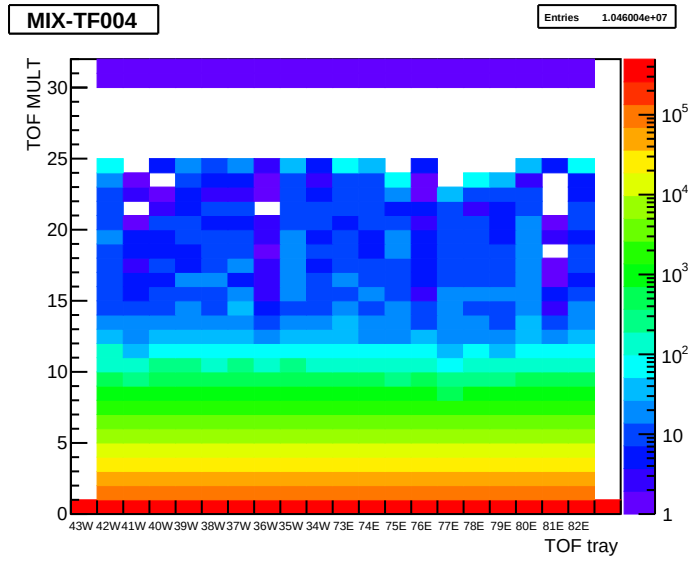

BunchId7Bit (Laser)
Entries 3333
0
20
40
60
80
100
120

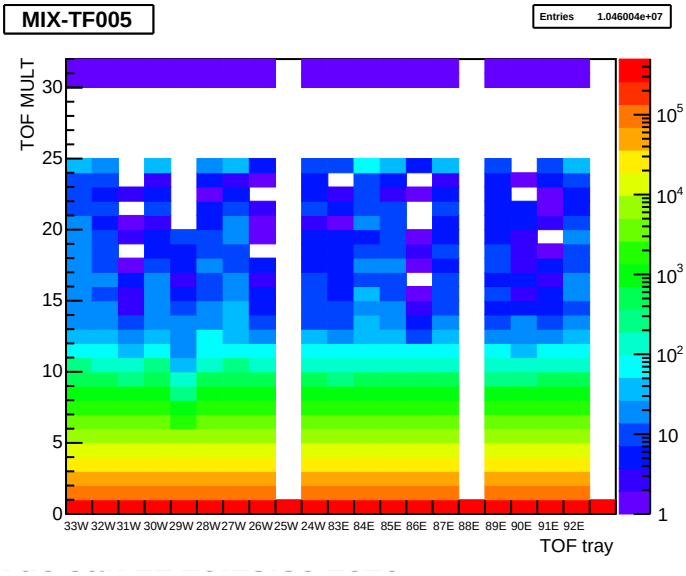

BunchId7Bit (TOFmult window)
Entries 15491
10^2
10
1
0
20
40
60
80
100
120

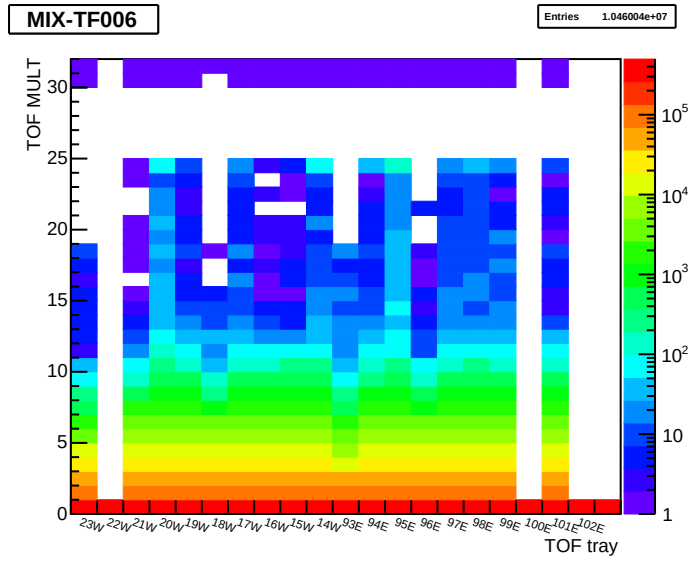

MIX-TF001
Entries 1.046004e+07
TOF MULT
TOF tray

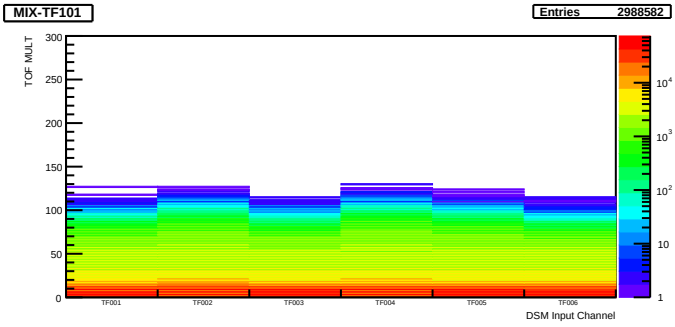

MIX-TF002
Entries 1.046004e+07
TOF MULT
TOF tray

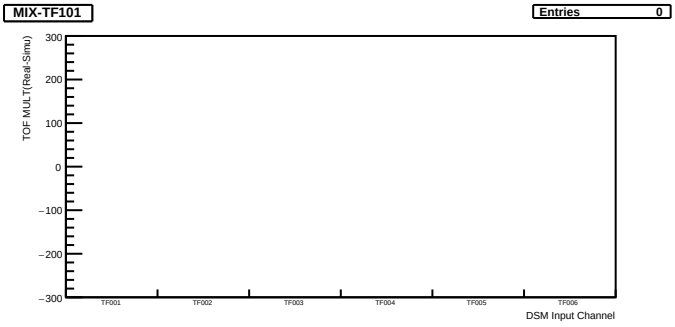

MIX-TF003
Entries 1.046004e+07
TOF MULT
TOF tray

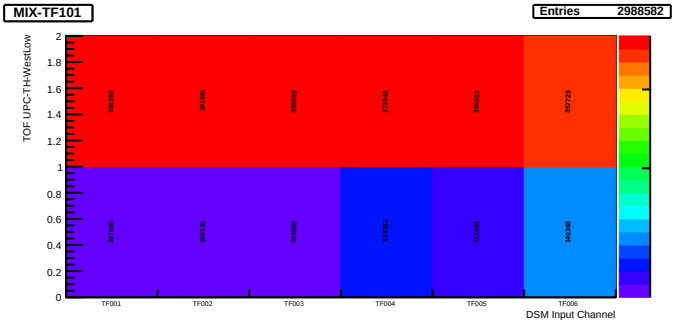

MIX-TF004
Entries 1.046004e+07
TOF MULT
TOF tray

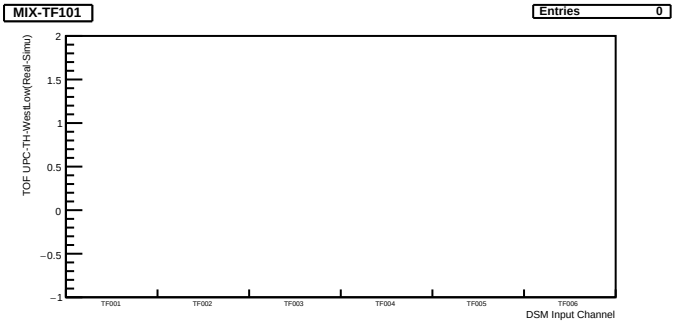

MIX-TF005
Entries 1.046004e+07
TOF MULT
TOF tray

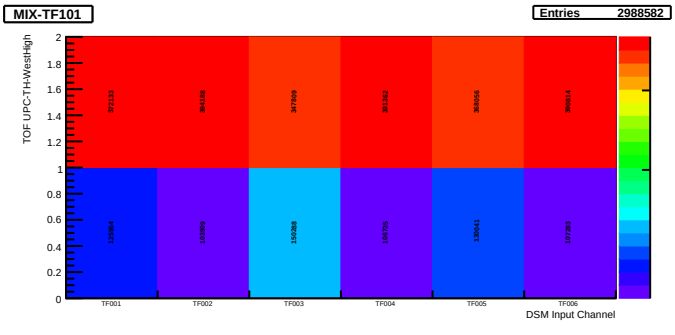

MIX-TF006
Entries 1.046004e+07
TOF MULT
TOF tray

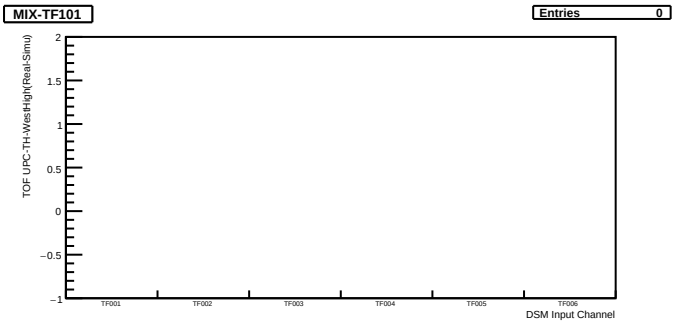

MIX-TF101
Entries 2988582
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

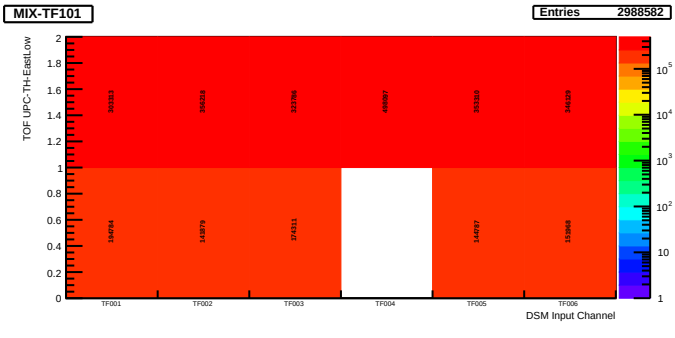

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

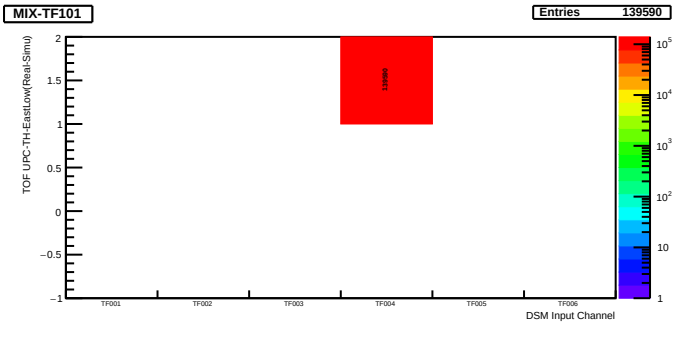

MIX-TF101
Entries 2988582
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

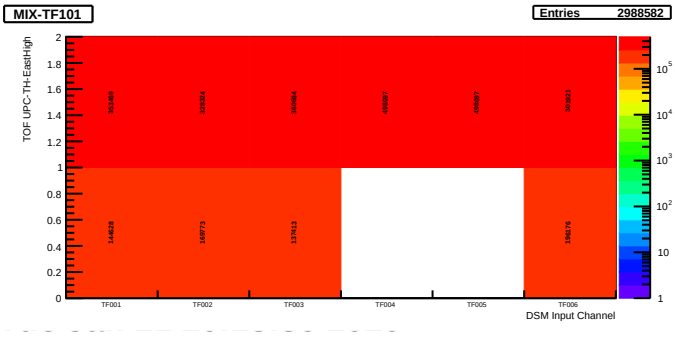

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

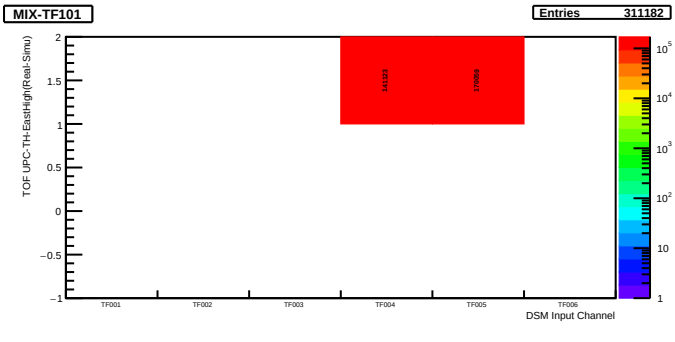

MIX-TF101
Entries 2988582
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

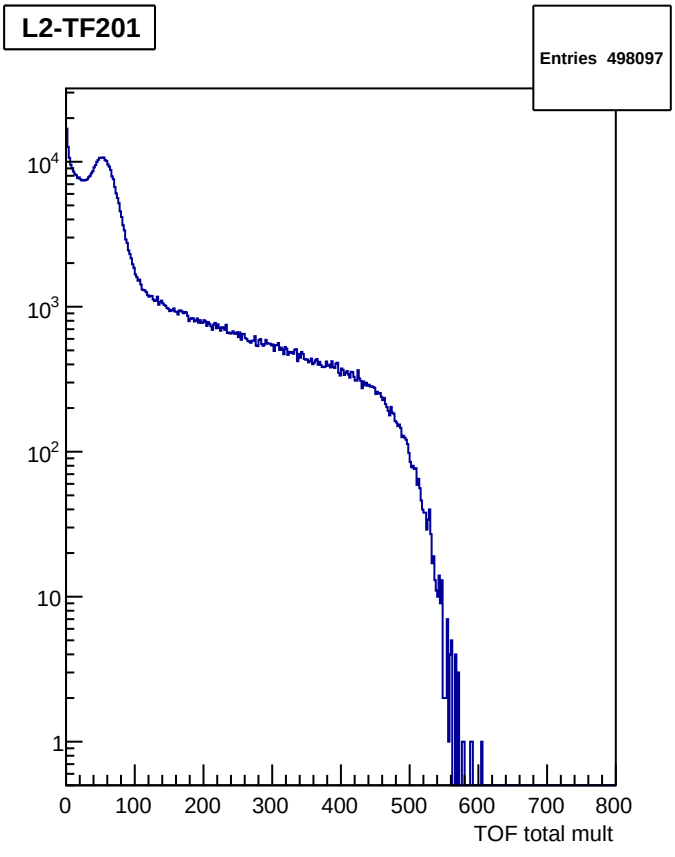

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

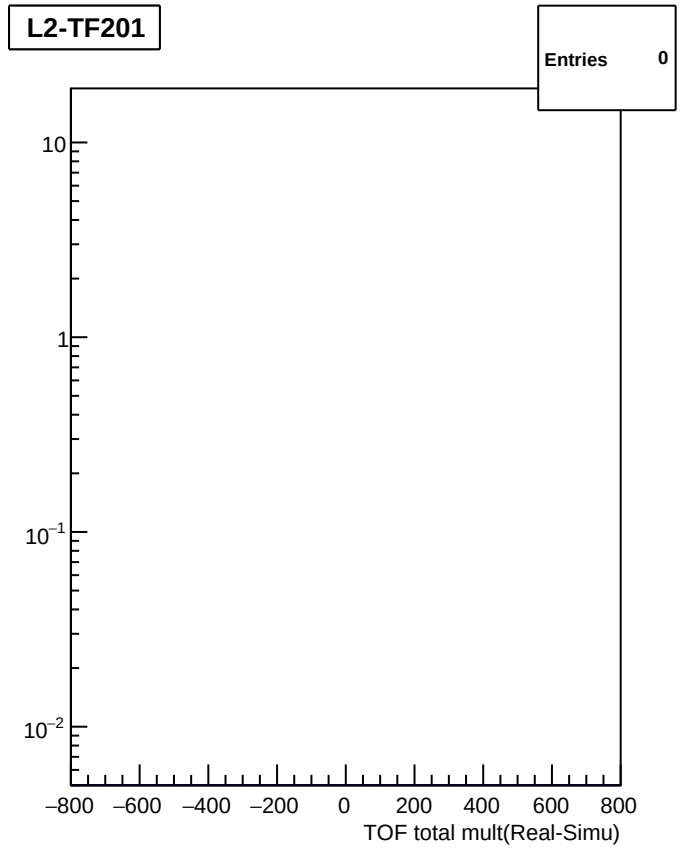

MIX-TF101
Entries 2988582
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

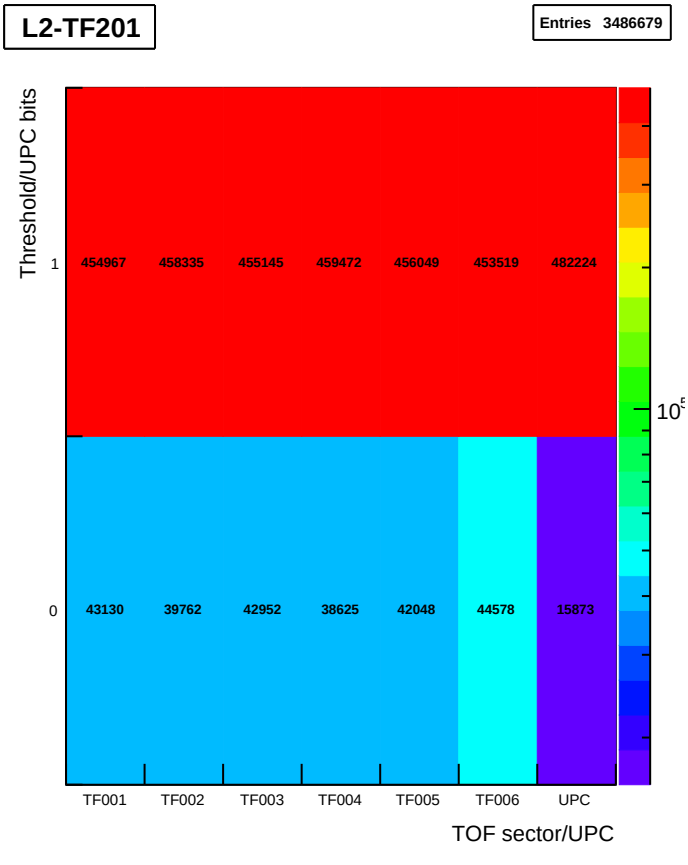

MIX-TF101
Entries 139590
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

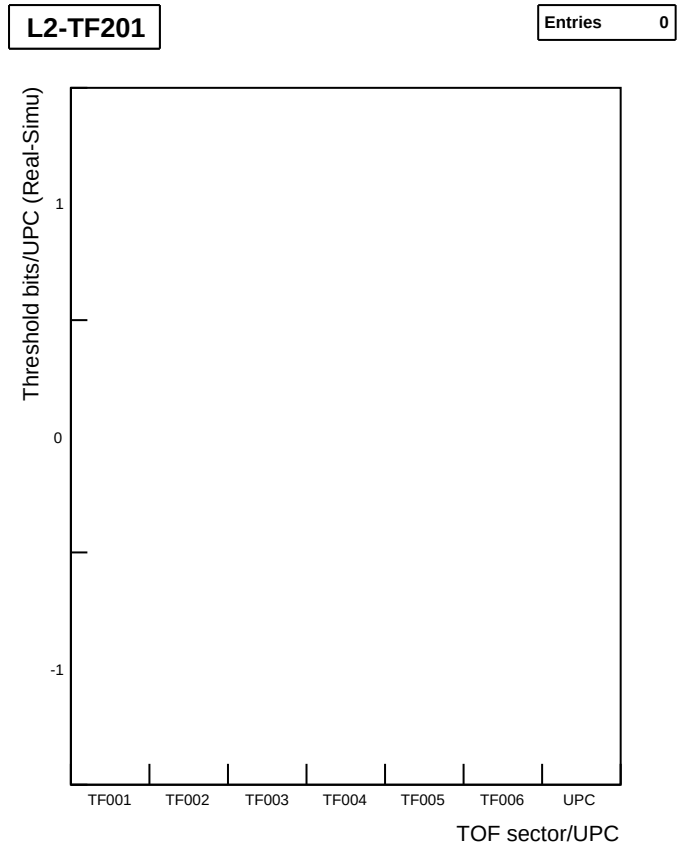

MIX-TF101
Entries 2988582
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

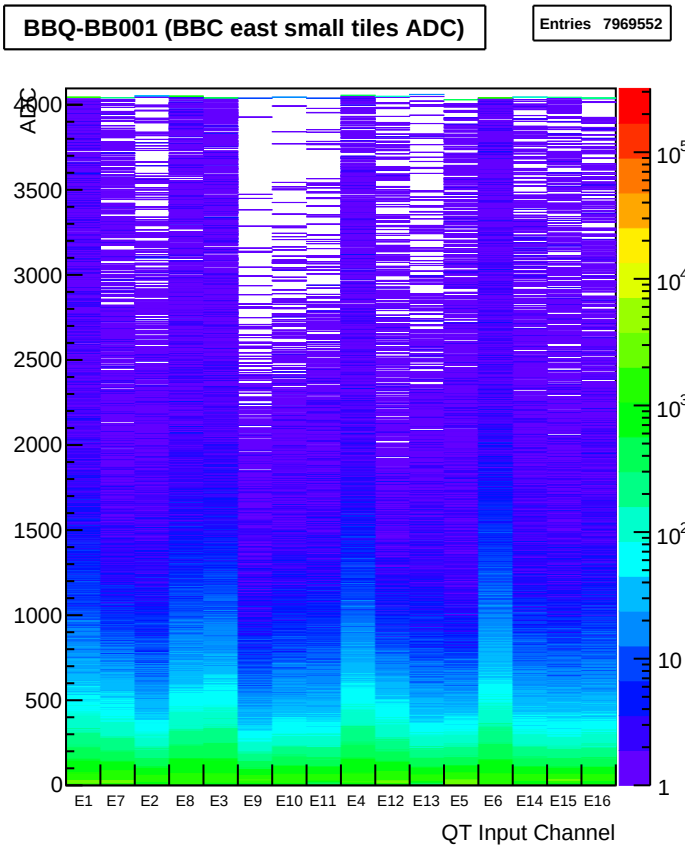

MIX-TF101
Entries 311182
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

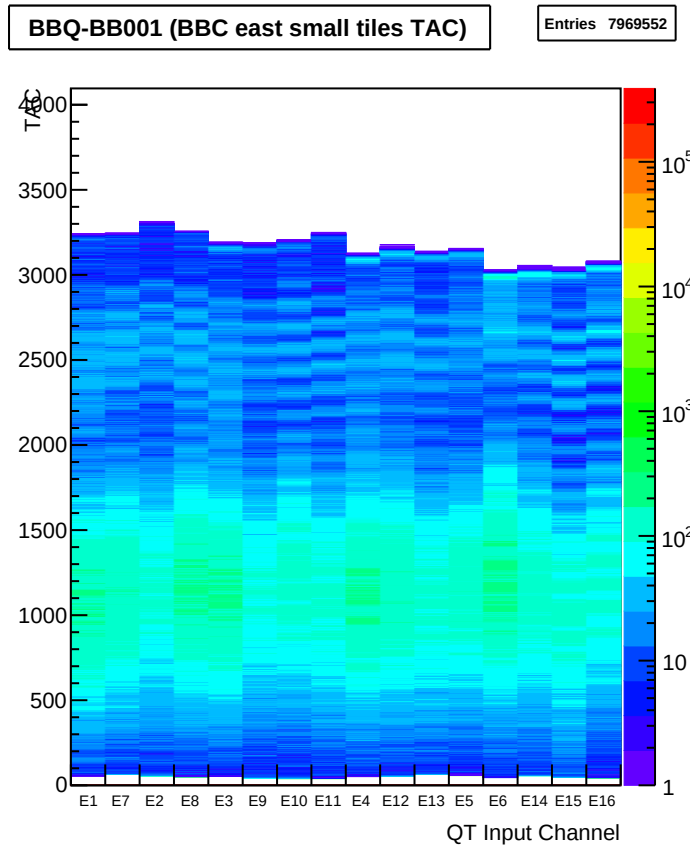

L2-TF201
Entries 498097
TOF total mult

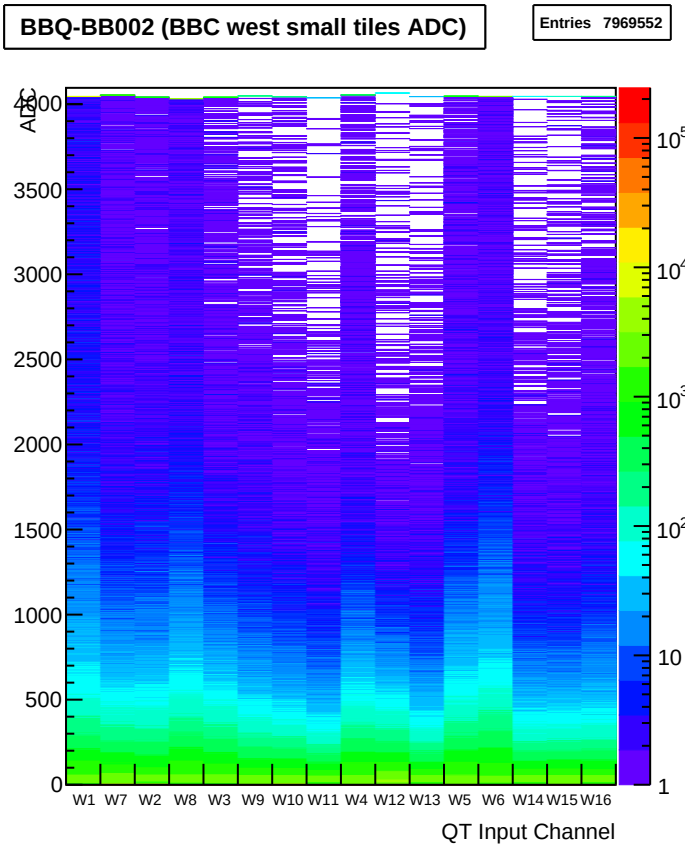

L2-TF201
Entries 0
TOF total mult(Real-Simu)

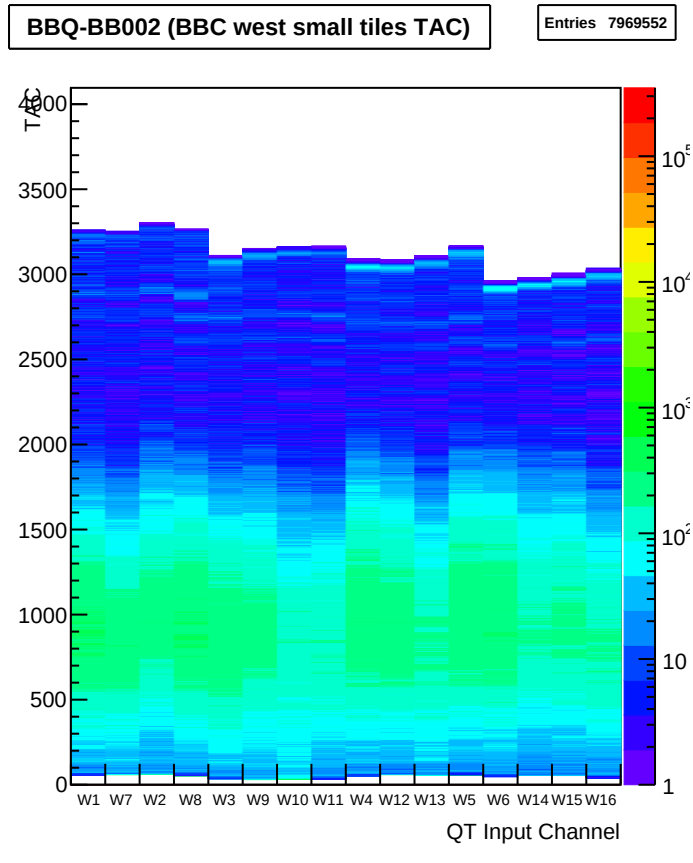

L2-TF201
Entries 3486679
Threshold/UPC bits
454967
458335
455145
459472
456049
453519
482224
43130
39762
42952
38625
42048
44578
15873
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

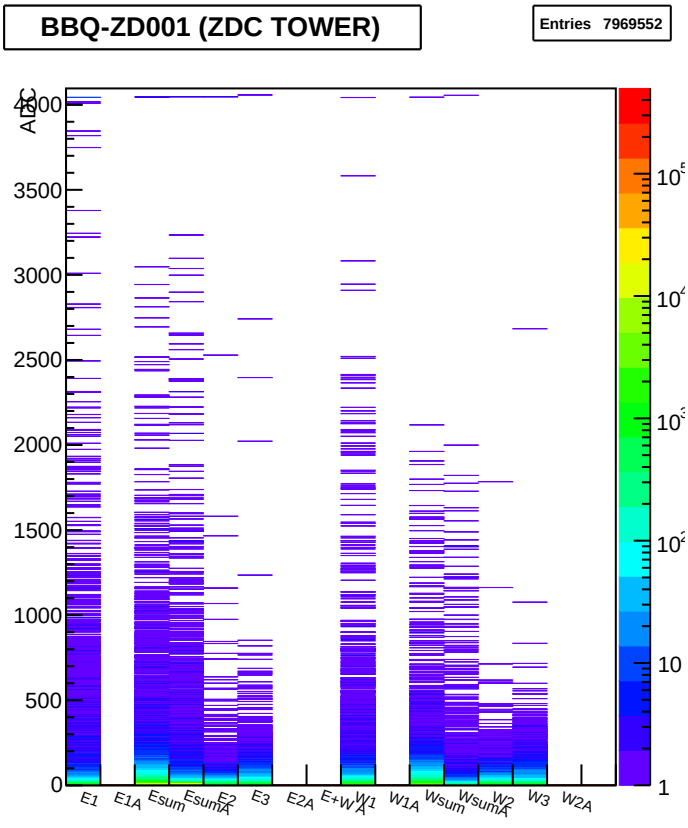

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

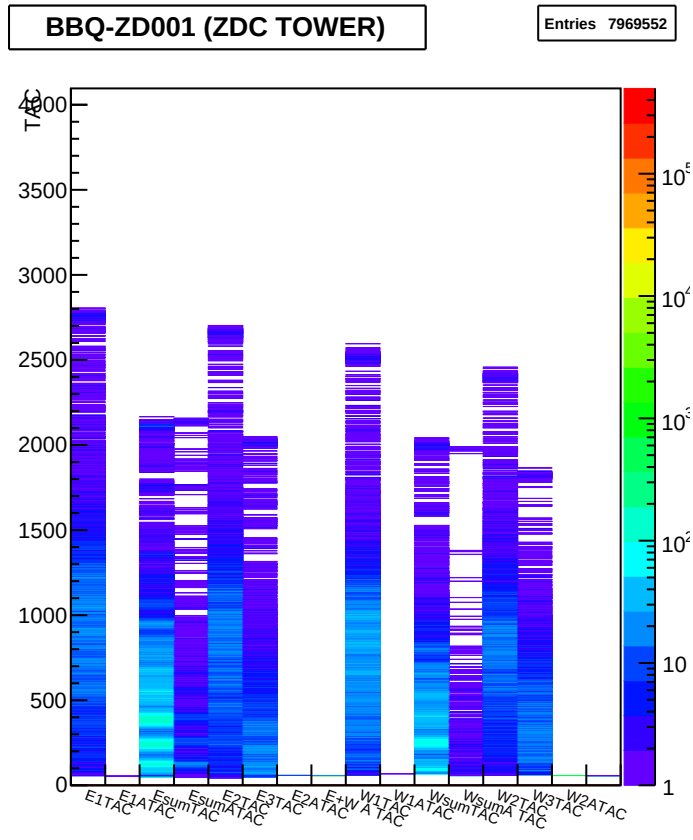

BBQ-BB001 (BBC east small tiles ADC)
Entries 7969552
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

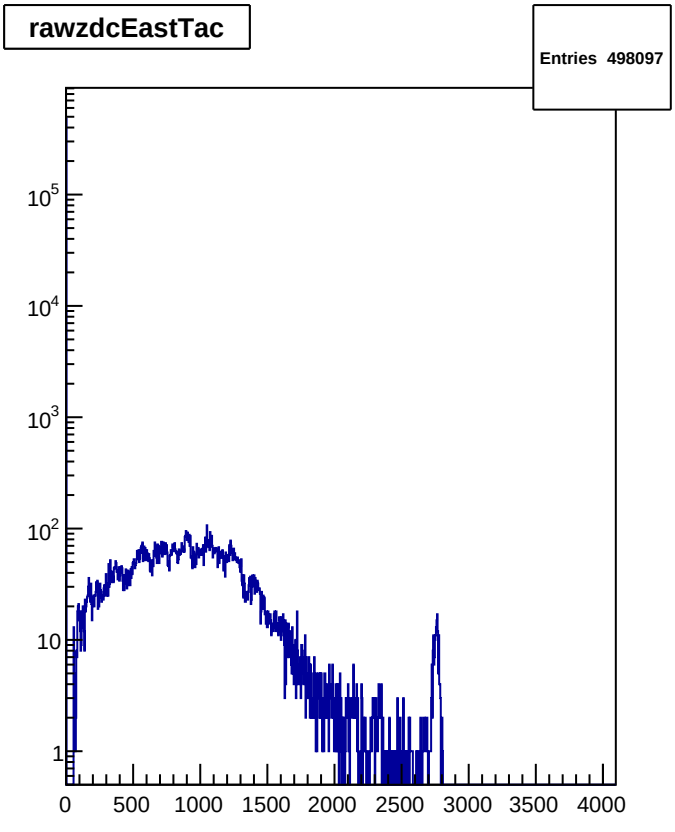

BBQ-BB001 (BBC east small tiles TAC)
Entries 7969552
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

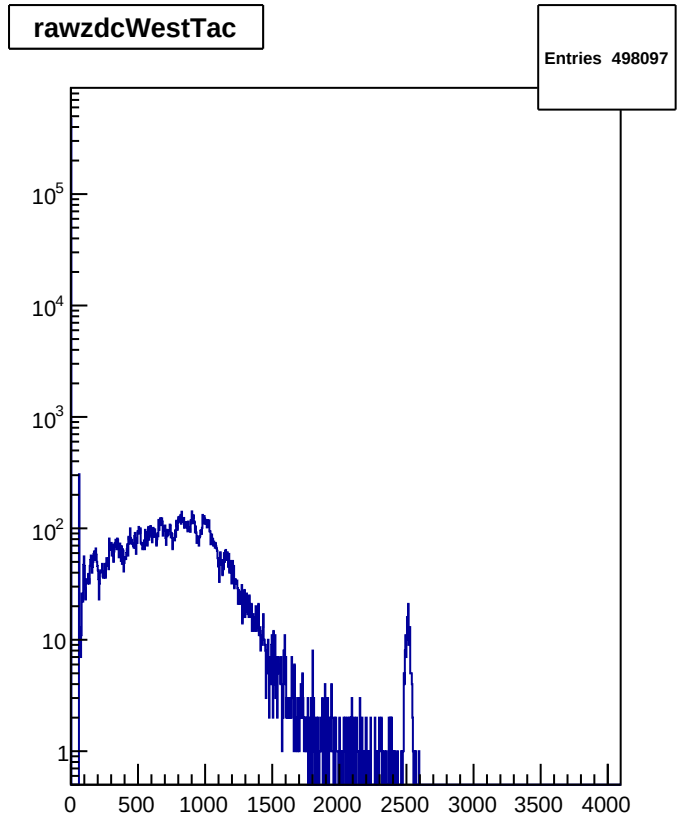

BBQ-BB002 (BBC west small tiles ADC)
Entries 7969552
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

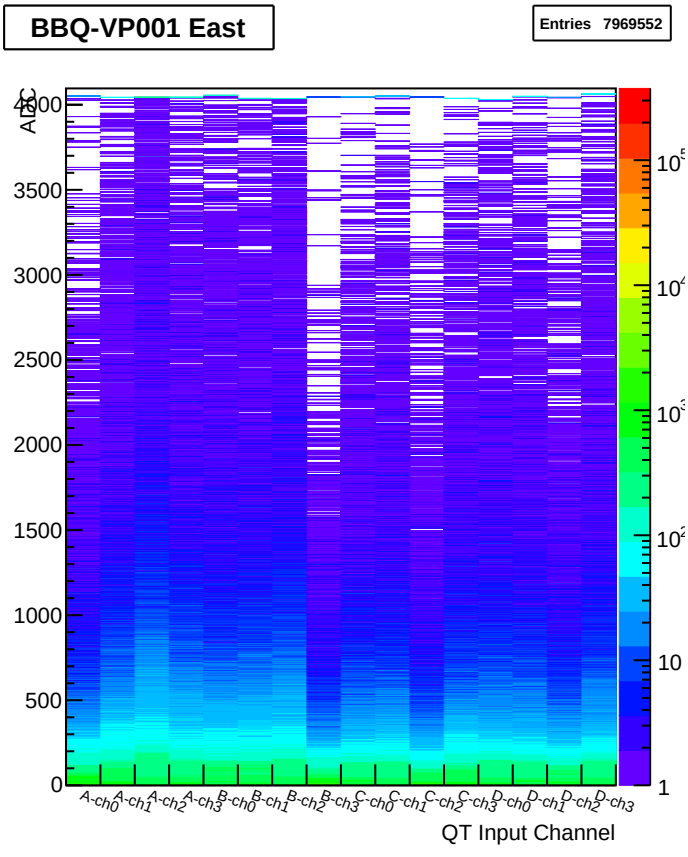

BBQ-BB002 (BBC west small tiles TAC)
Entries 7969552
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

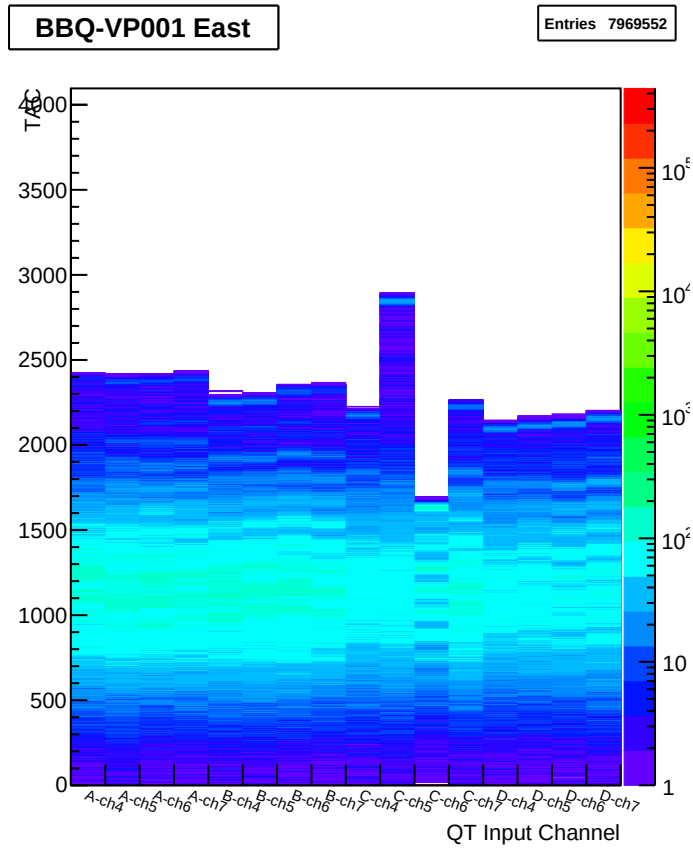

BBQ-ZD001 (ZDC TOWER)
Entries 7969552
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

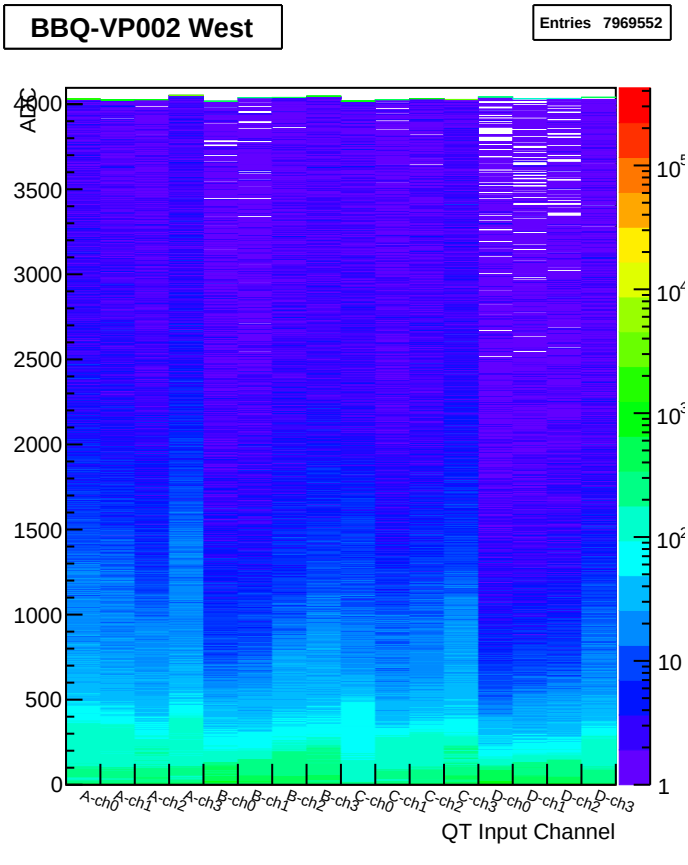

BBQ-ZD001 (ZDC TOWER)
Entries 7969552
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

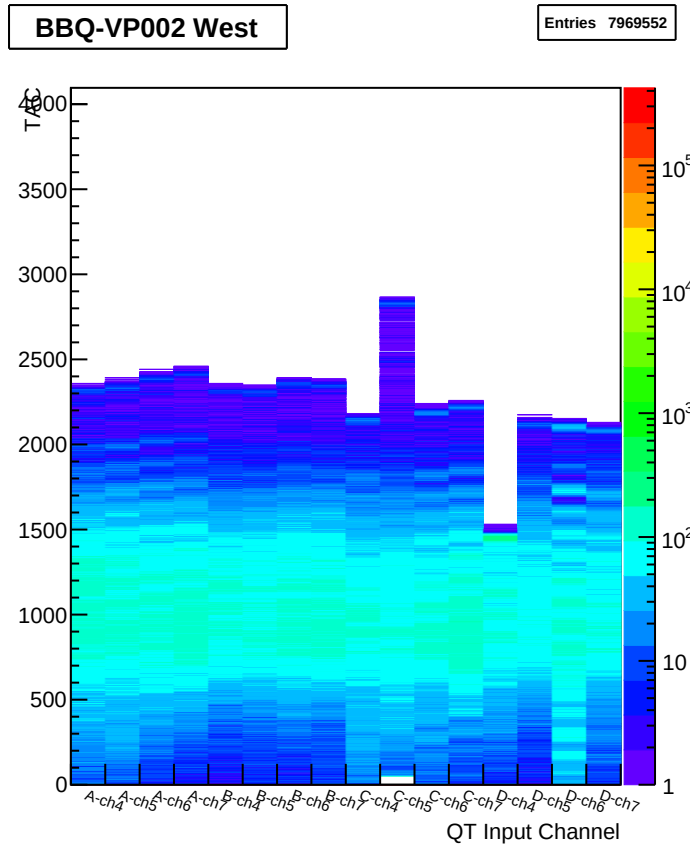

rawzdcEastTac
Entries 498097

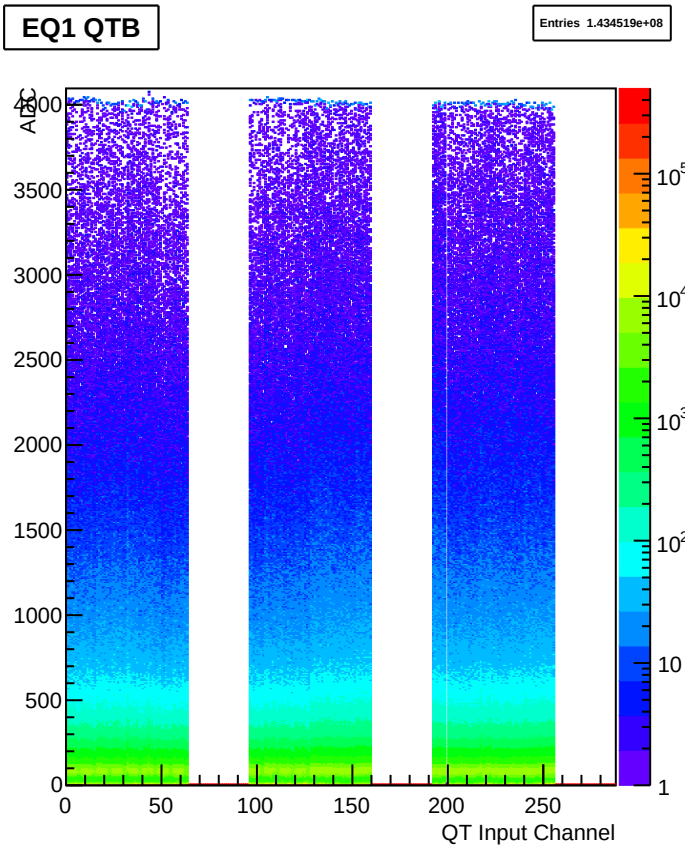

rawzdcWestTac
Entries 498097

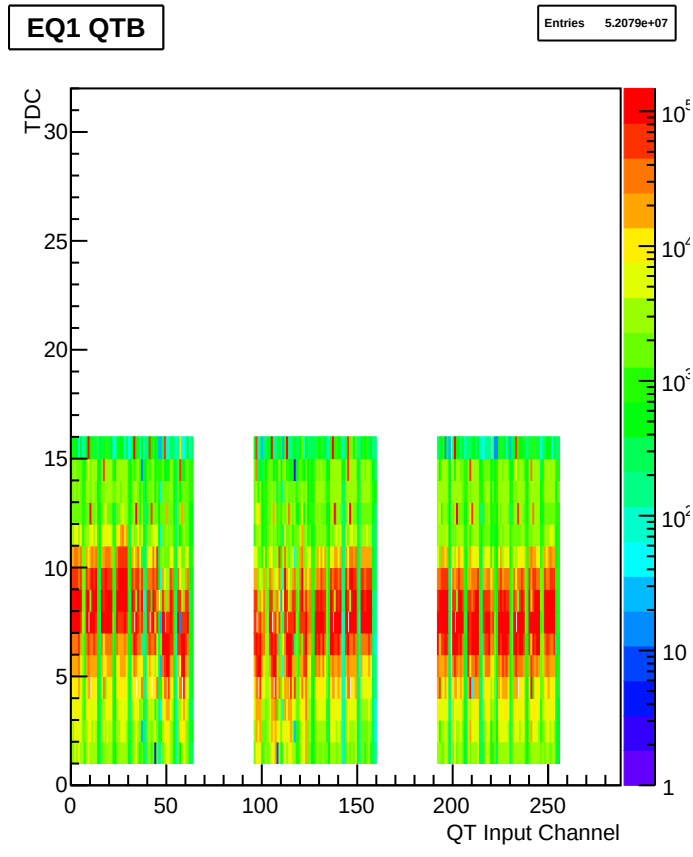

BBQ-VP001 East
Entries 7969552
ADC
QT Input Channel

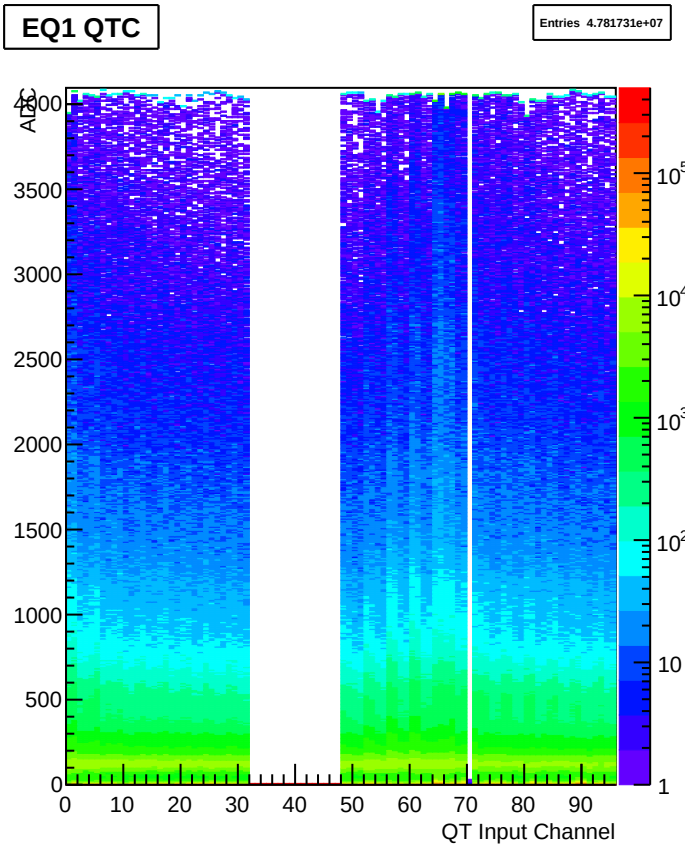

BBQ-VP001 East
Entries 7969552
ADC
QT Input Channel

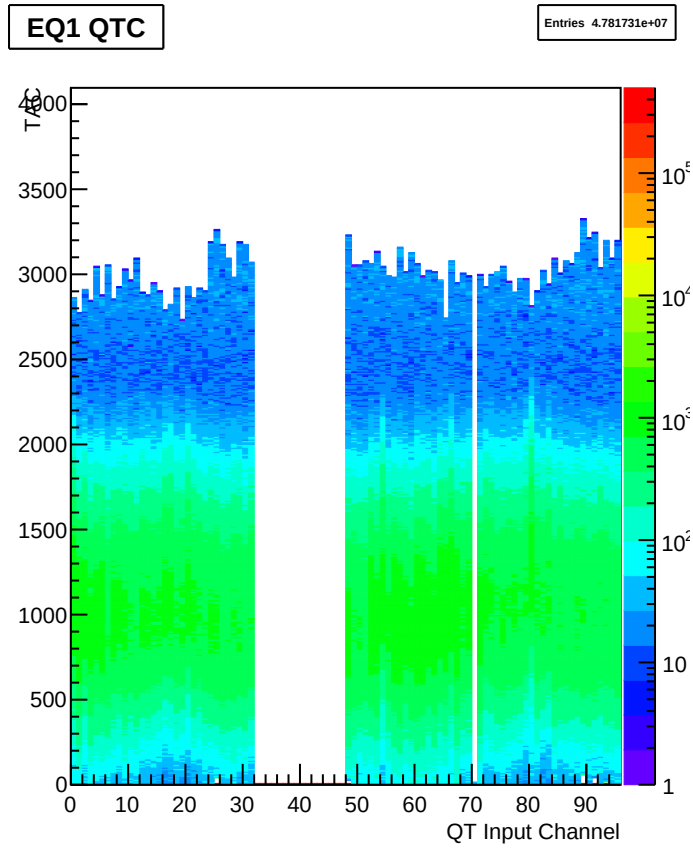

BBQ-VP002 West
Entries 7969552
ADC
QT Input Channel

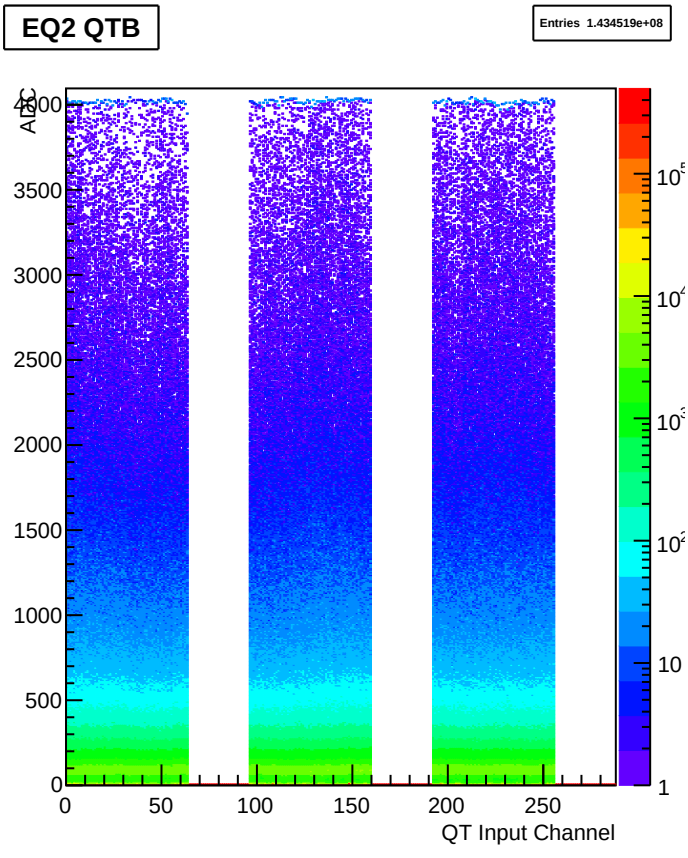

BBQ-VP002 West
Entries 7969552
ADC
QT Input Channel

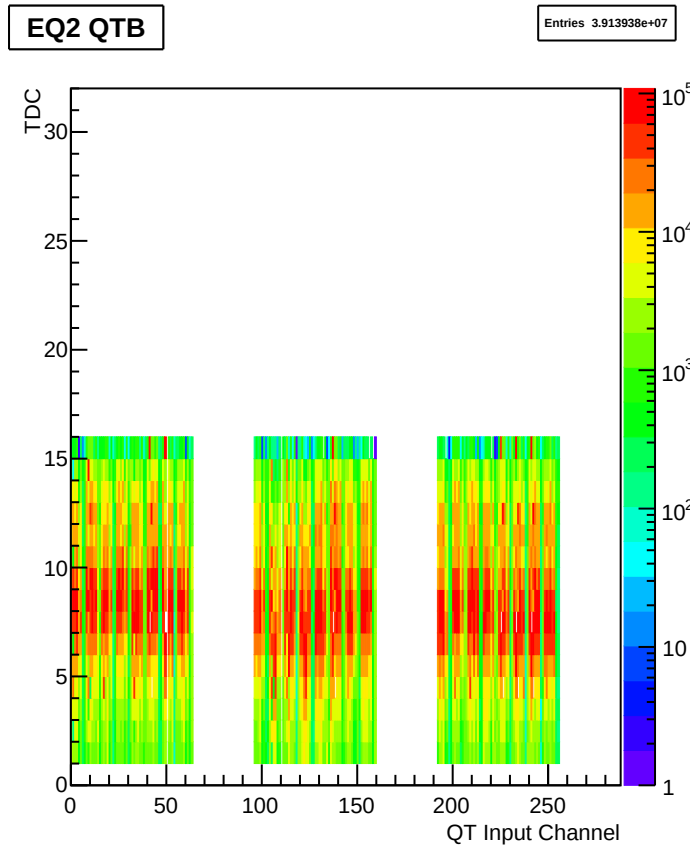

EQ1 QTB
Entries 1.434519e+08
ADC
QT Input Channel

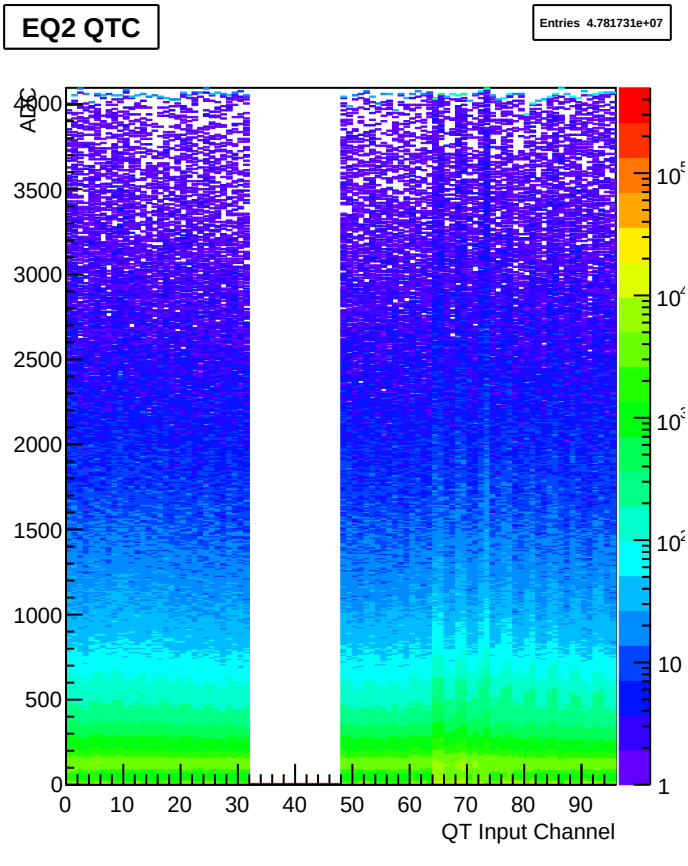

EQ1 QTB
Entries 5.2079e+07
TDC
QT Input Channel

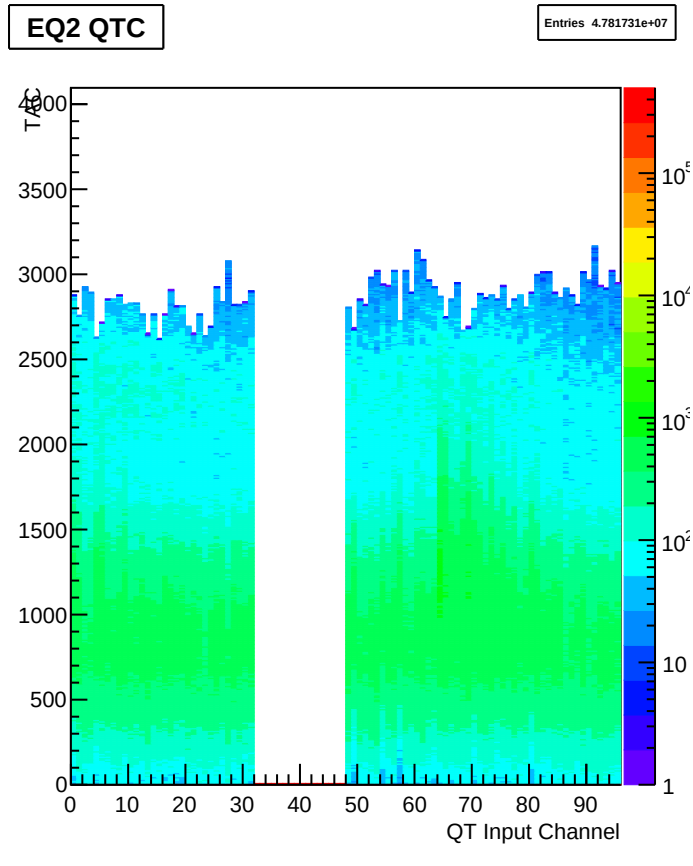

EQ1 QTC
Entries 4.781731e+07
ADC
QT Input Channel

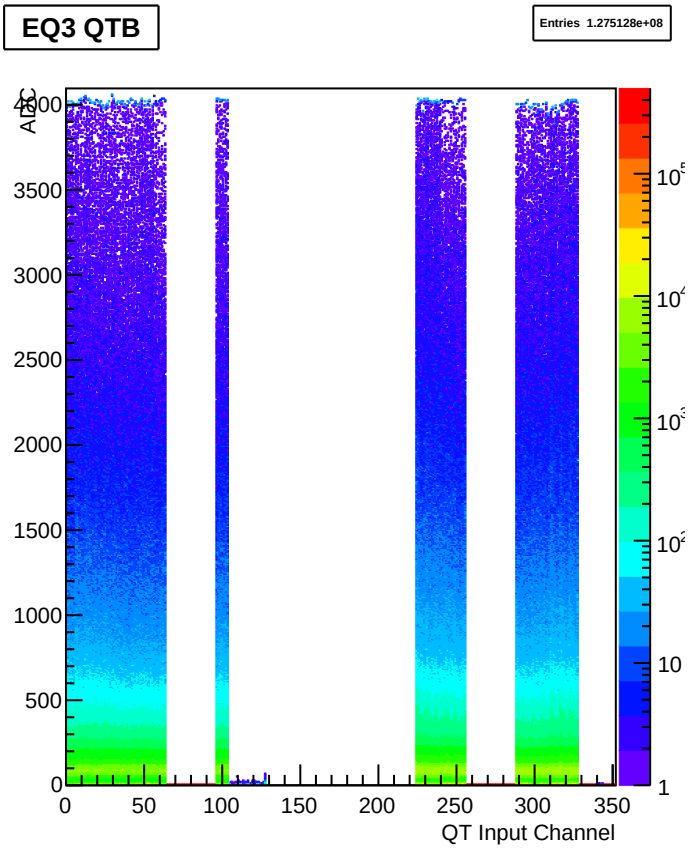

EQ1 QTC
Entries 4.781731e+07
TADC
QT Input Channel

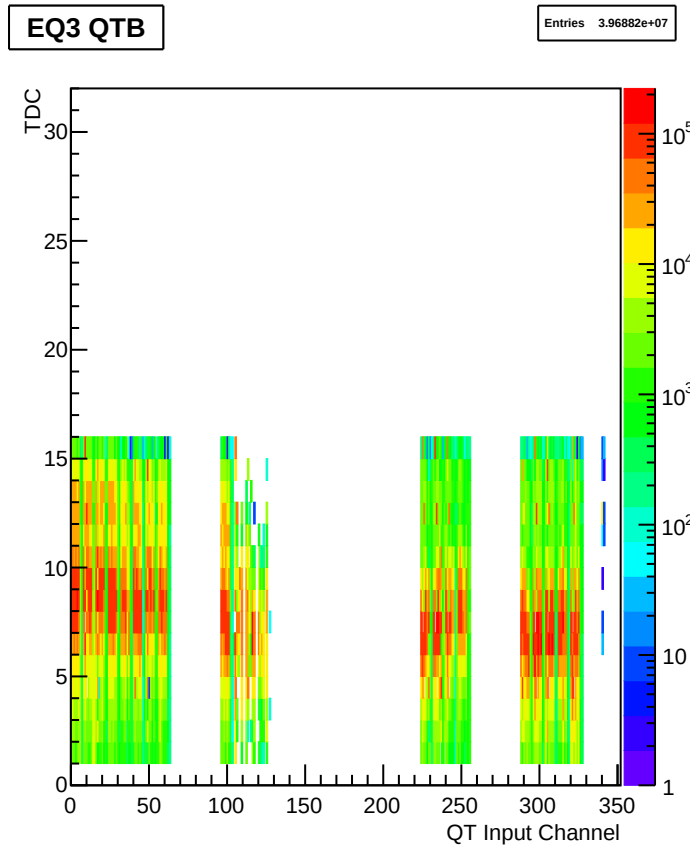

EQ2 QTB
Entries 1.434519e+08
ADC
QT Input Channel

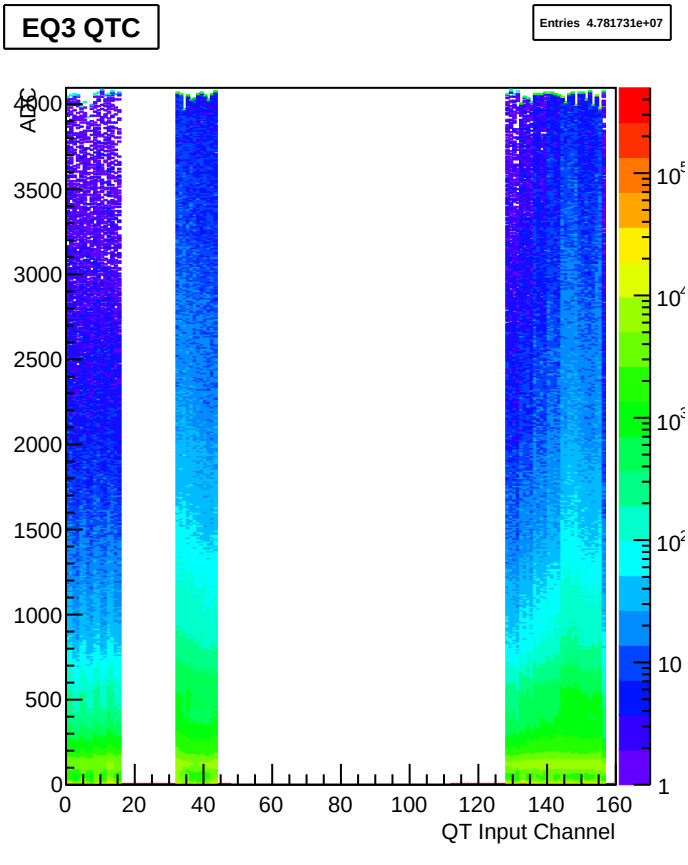

EQ2 QTB
Entries 3.913938e+07
TDC
QT Input Channel

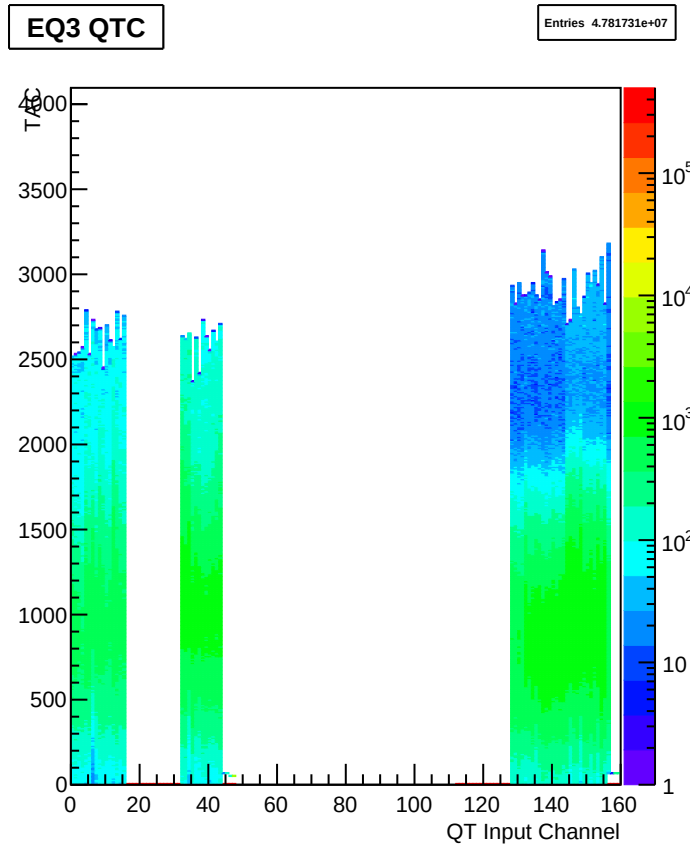

EQ2 QTC
Entries 4.781731e+07
ADC
QT Input Channel

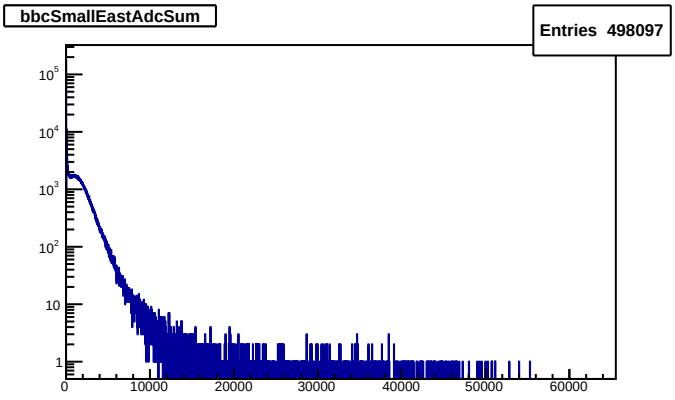

EQ2 QTC
Entries 4.781731e+07
TADC
QT Input Channel

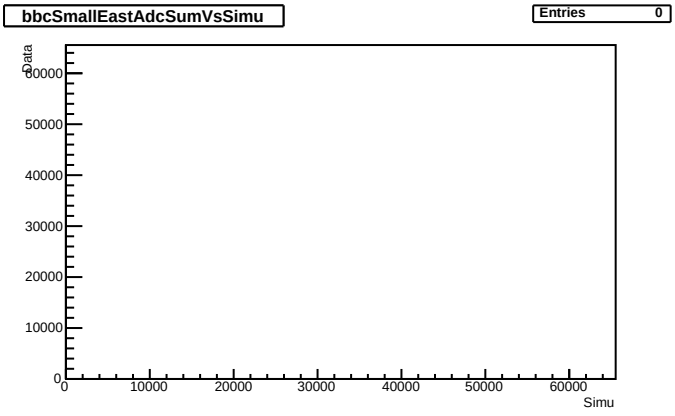

EQ3 QTB
Entries 1.275128e+08
ADC
QT Input Channel

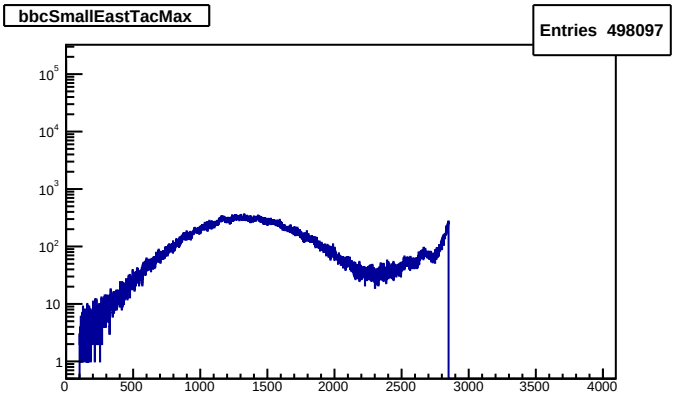

EQ3 QTB
Entries 3.96882e+07
TDC
QT Input Channel

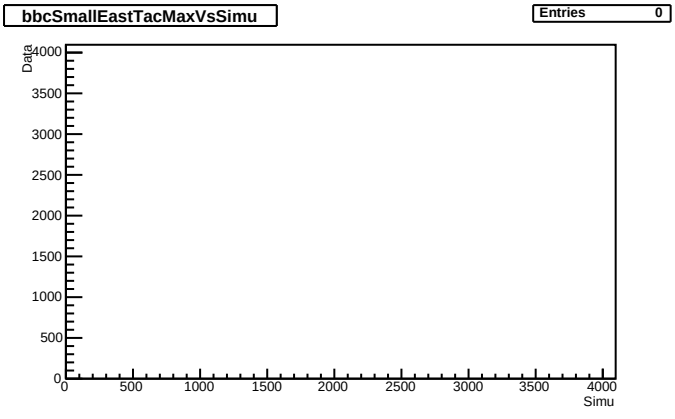

EQ3 QTC
Entries 4.781731e+07
ADC
QT Input Channel

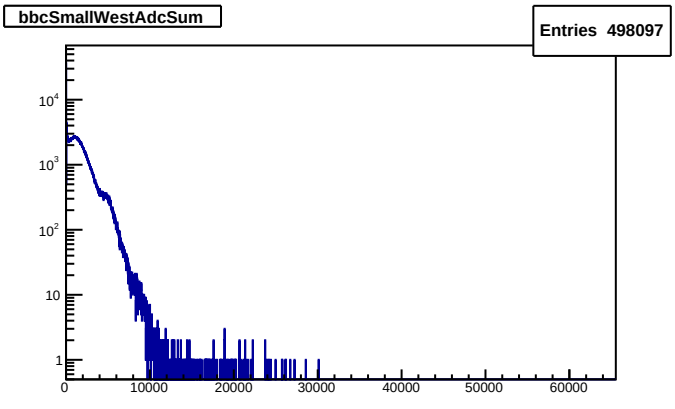

EQ3 QTC
Entries 4.781731e+07
TADC
QT Input Channel

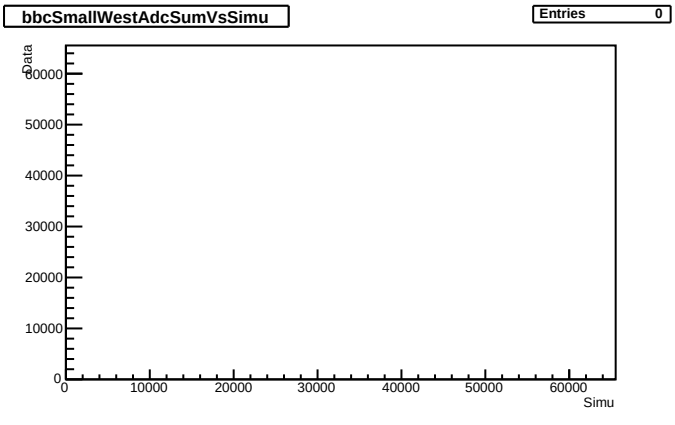

bbcSmallEastAdcSum
Entries 498097

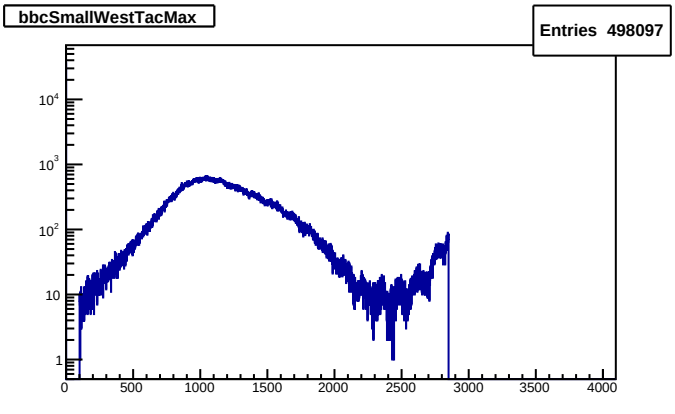

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

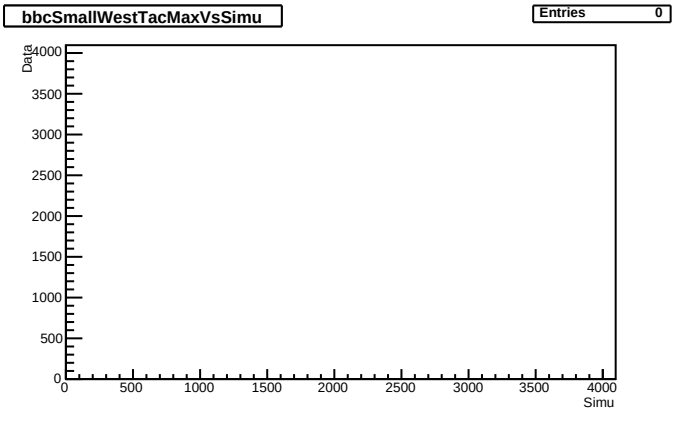

bbcSmallEastTacMax
Entries 498097

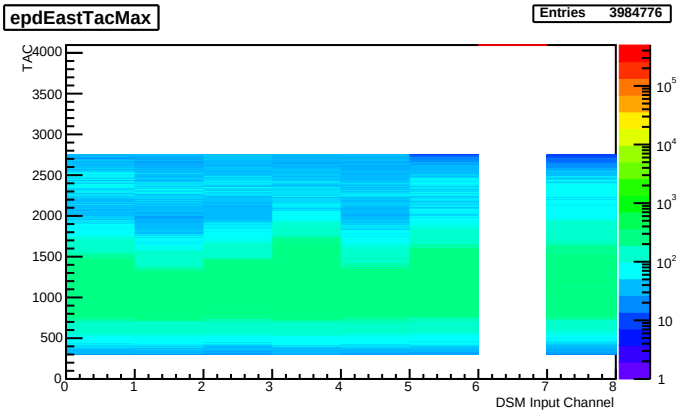

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

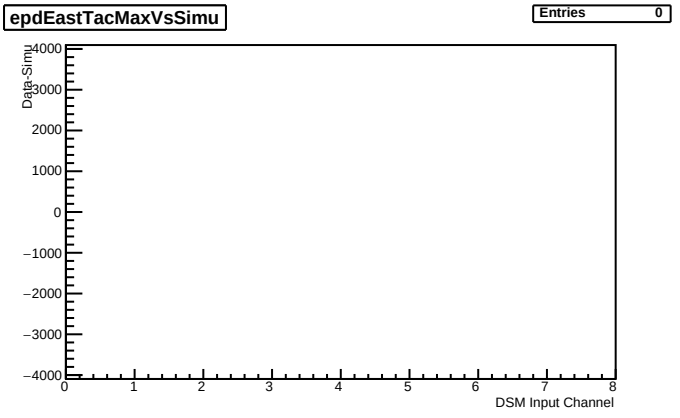

bbcSmallWestAdcSum
Entries 498097

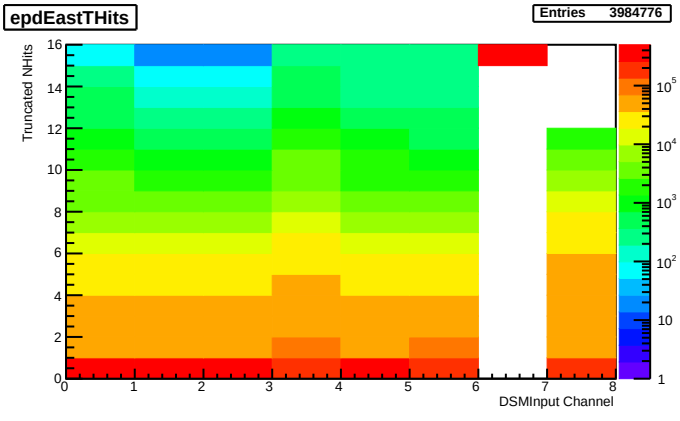

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

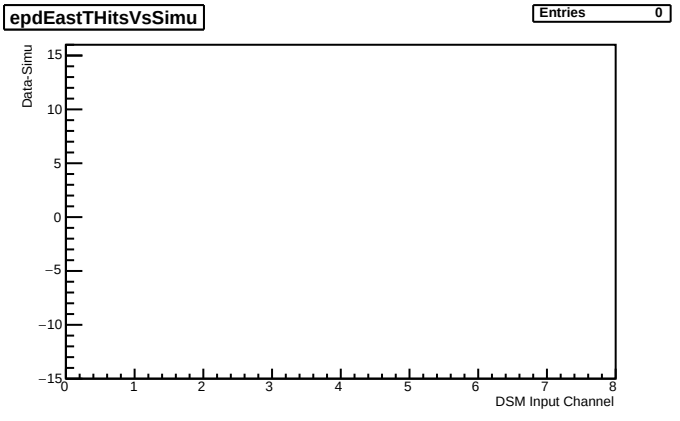

bbcSmallWestTacMax
Entries 498097


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3984776
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3984776
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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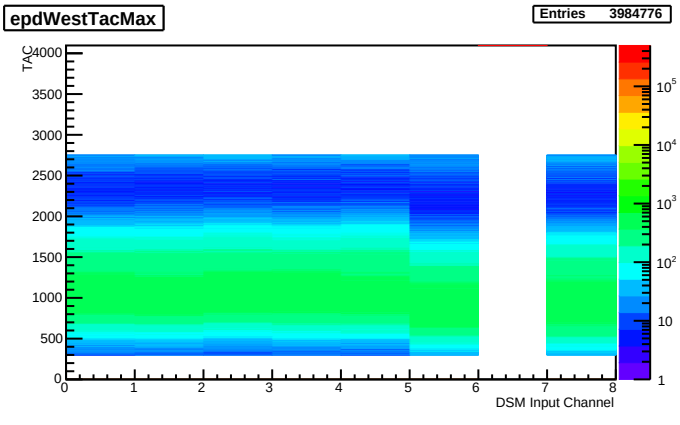
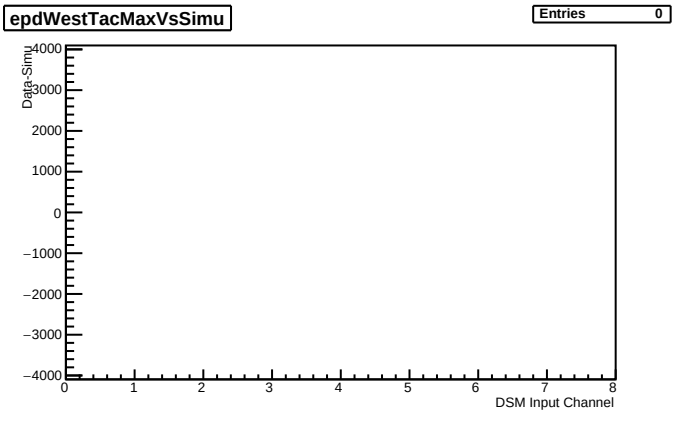
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3984776
TAC
DSM Input Channel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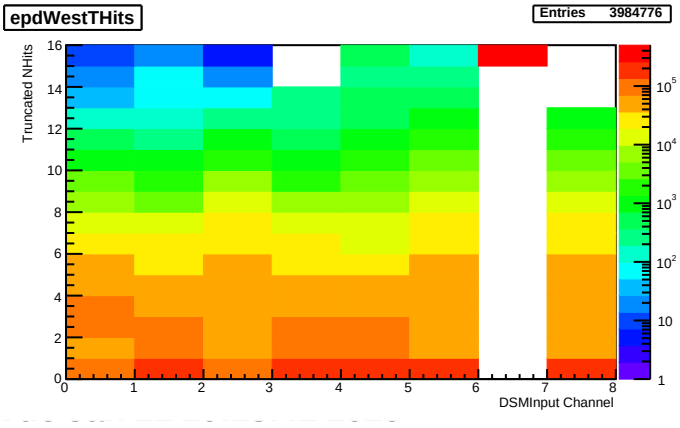
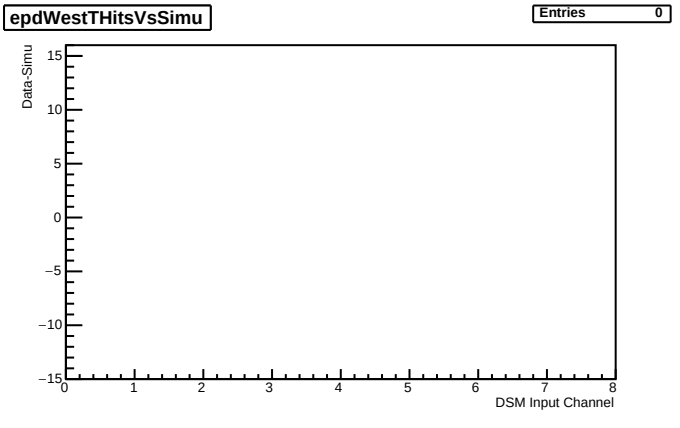
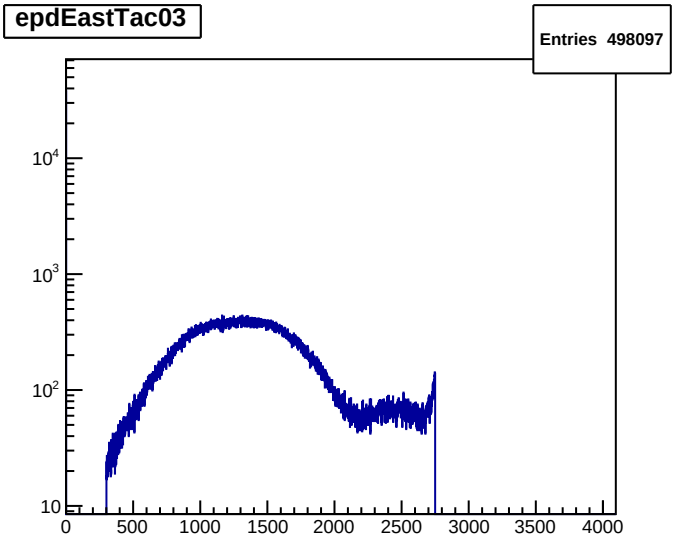
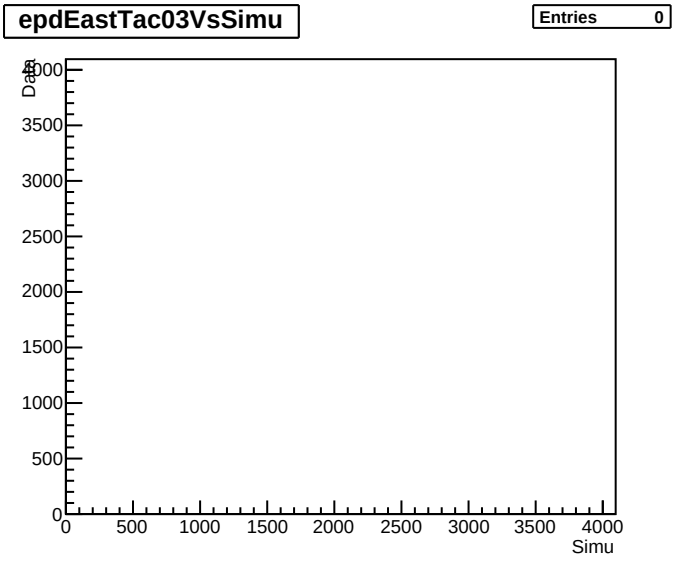
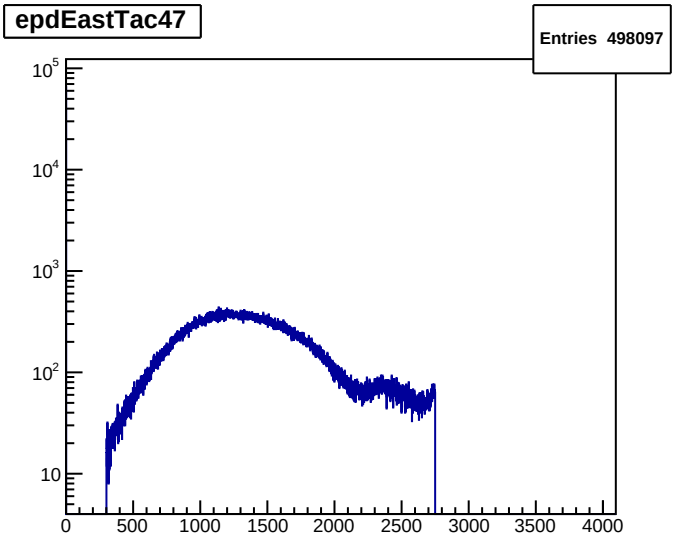
Entries 0
Data-Simu
DSM Input Channel

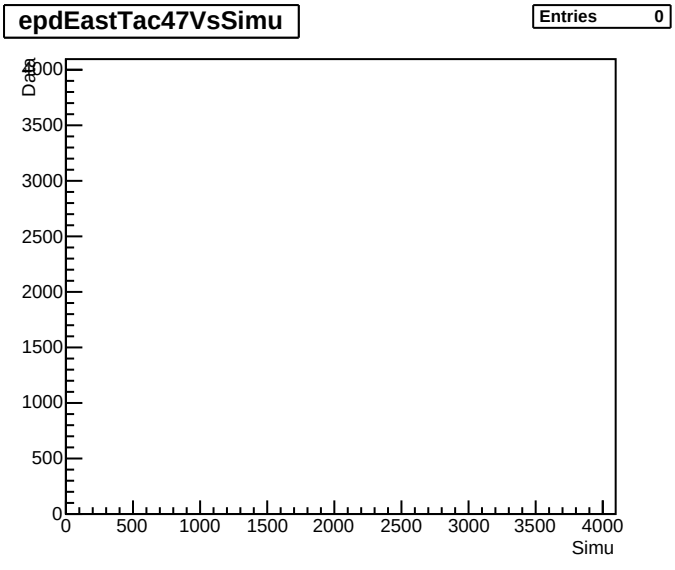

epdWestTHits
Entries 3984776
Truncated NHits
DSMInput Channel

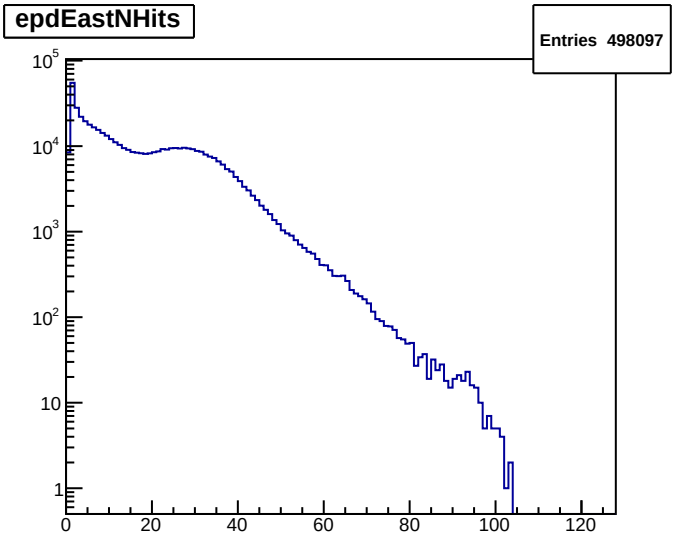

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

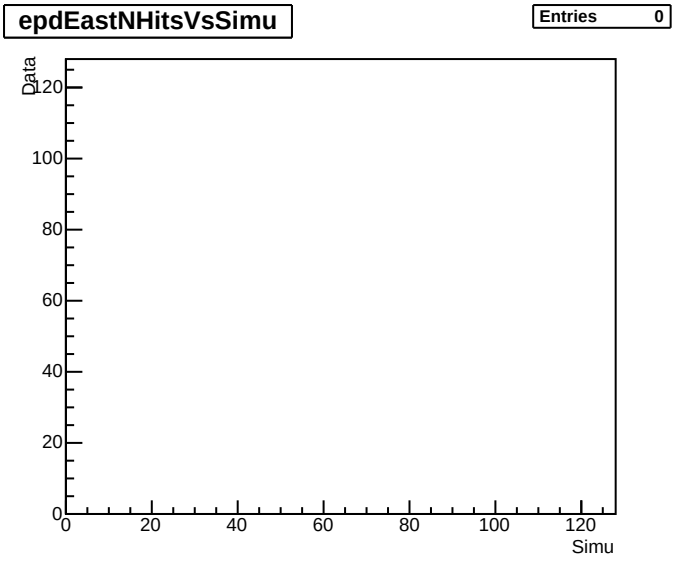

epdEastTac03
Entries 498097

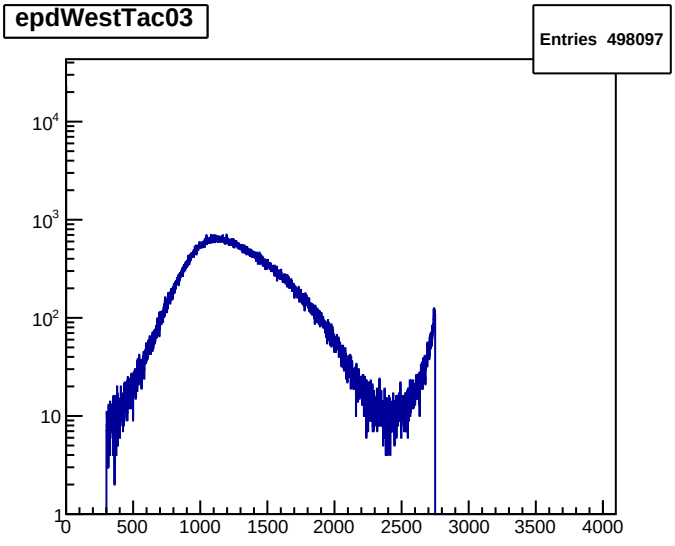

epdEastTac03VsSimu
Entries 0
Data
Simu

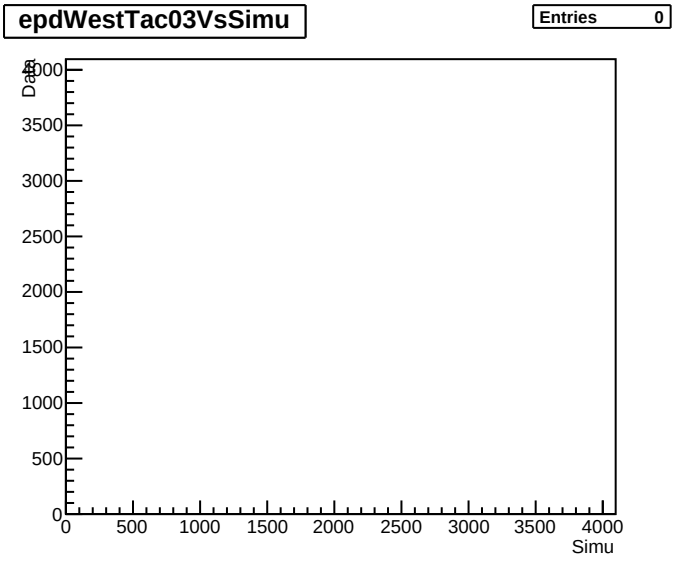

epdEastTac47
Entries 498097


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 498097


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 498097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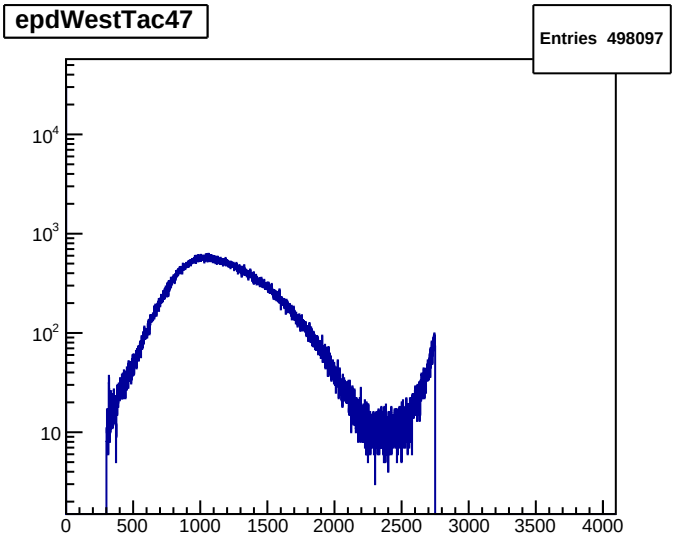
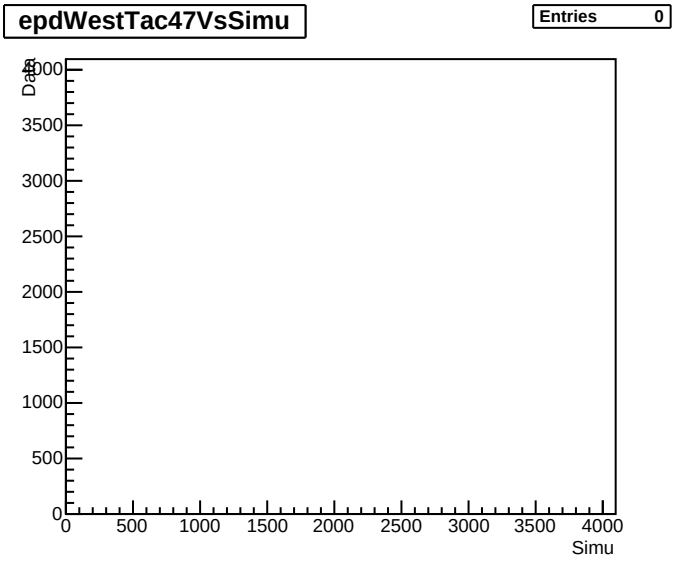
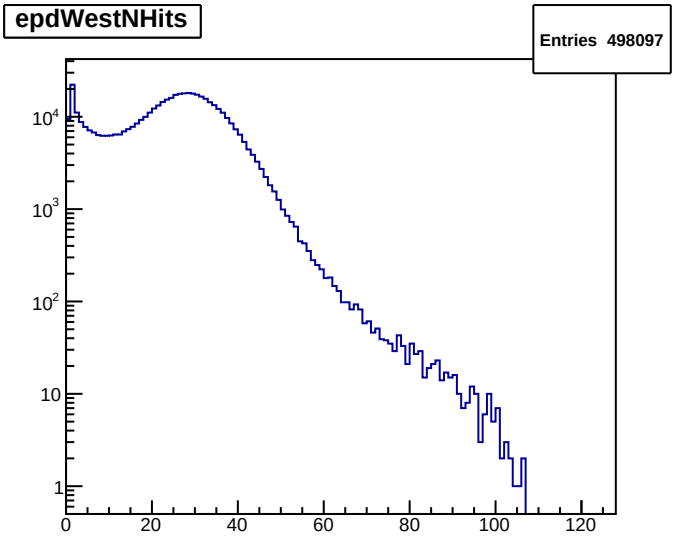
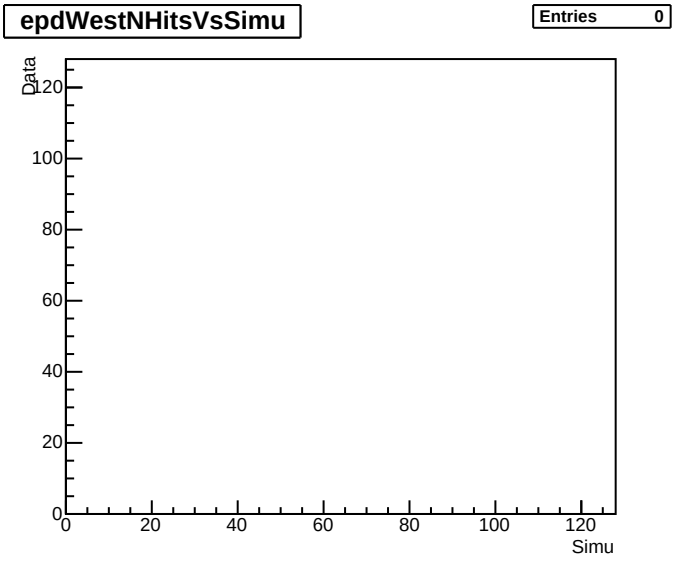
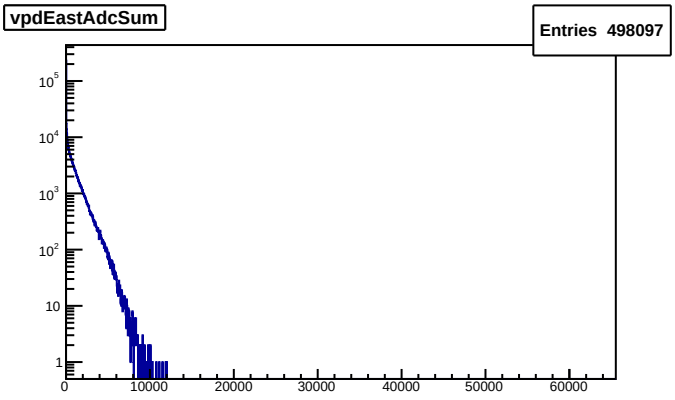
Entries 0
Data
Simu

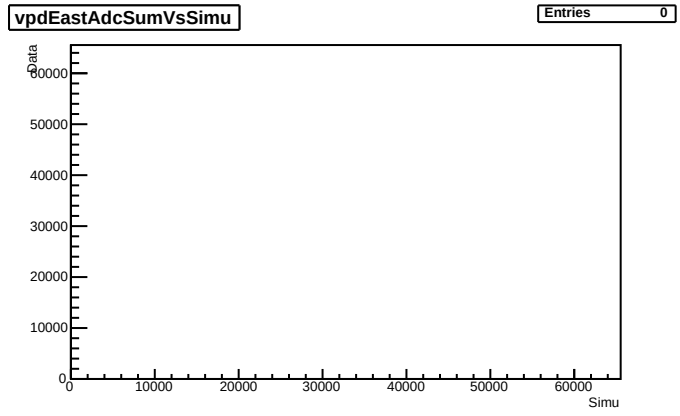

epdWestTac47
Entries 498097

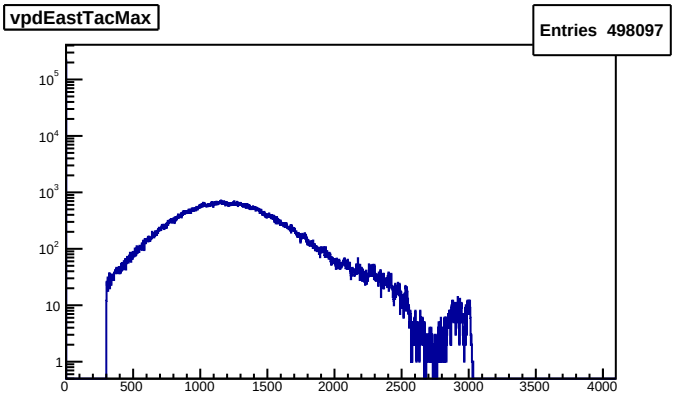

epdWestTac47VsSimu
Entries 0
Data
Simu

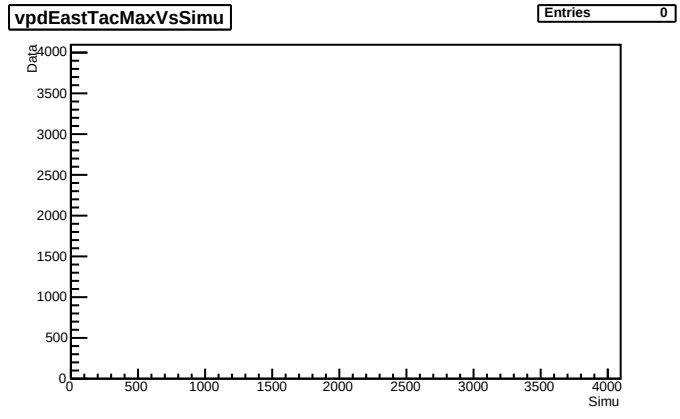

epdWestNHits
Entries 498097

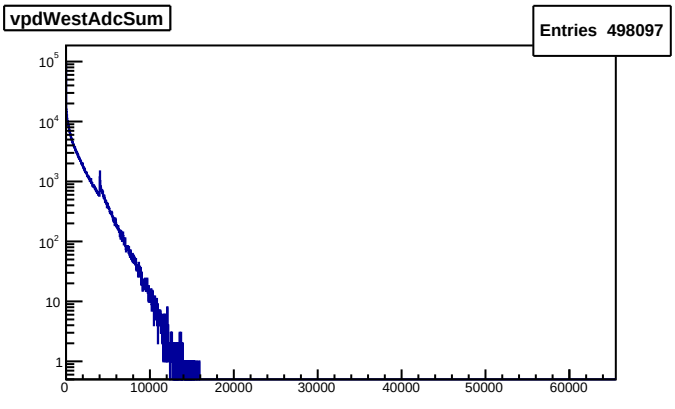

epdWestNHitsVsSimu
Entries 0
Data
Simu

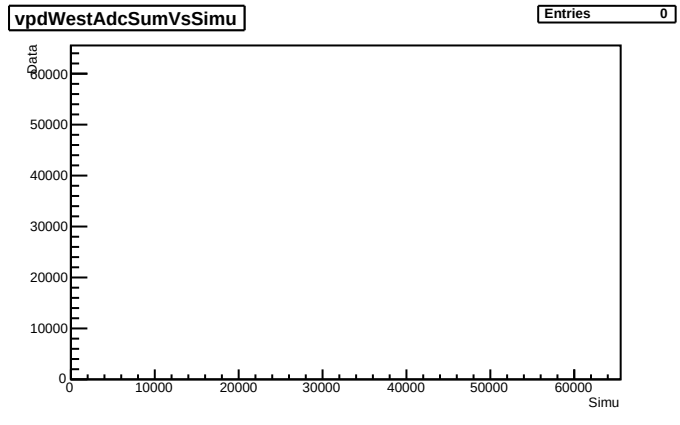

vpdEastAdcSum
Entries 498097

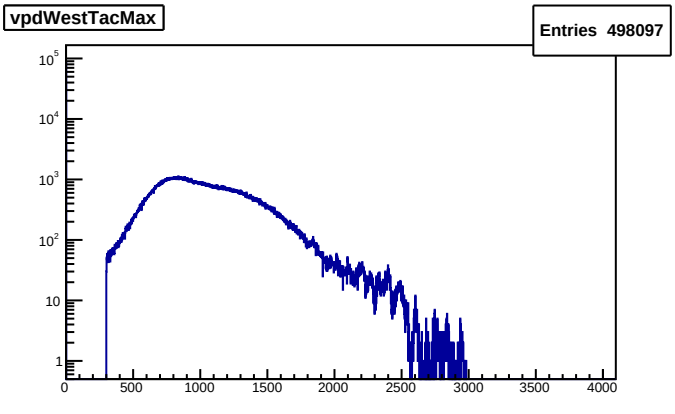

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

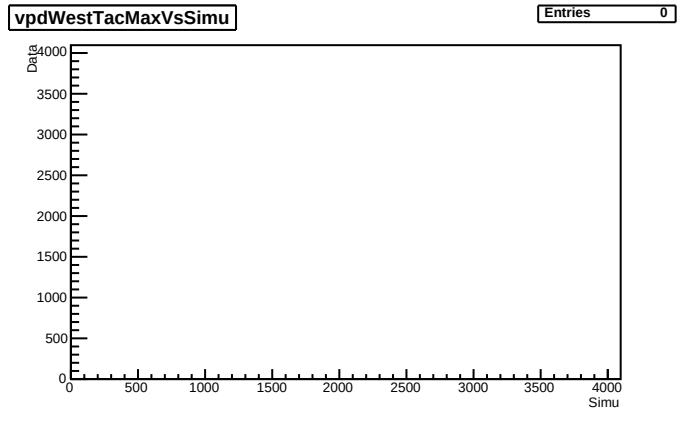

vpdEastTacMax
Entries 498097

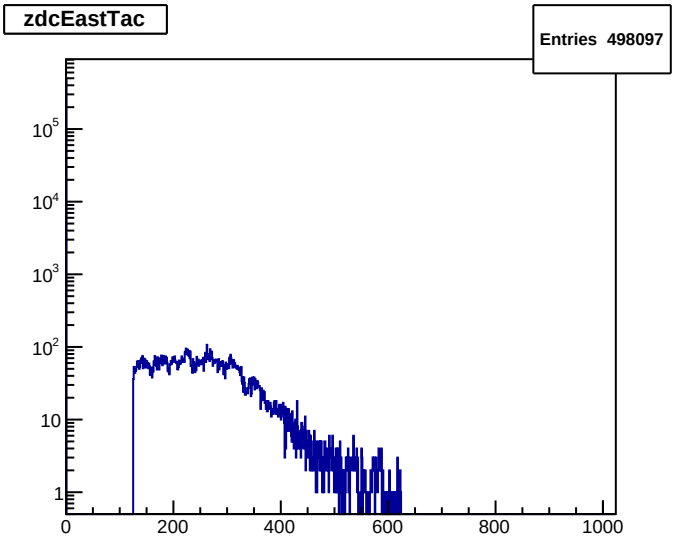

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

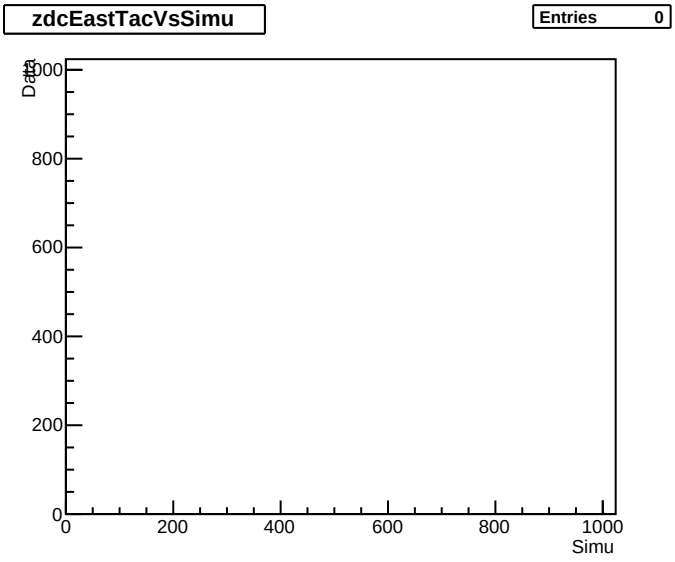

vpdWestAdcSum
Entries 498097

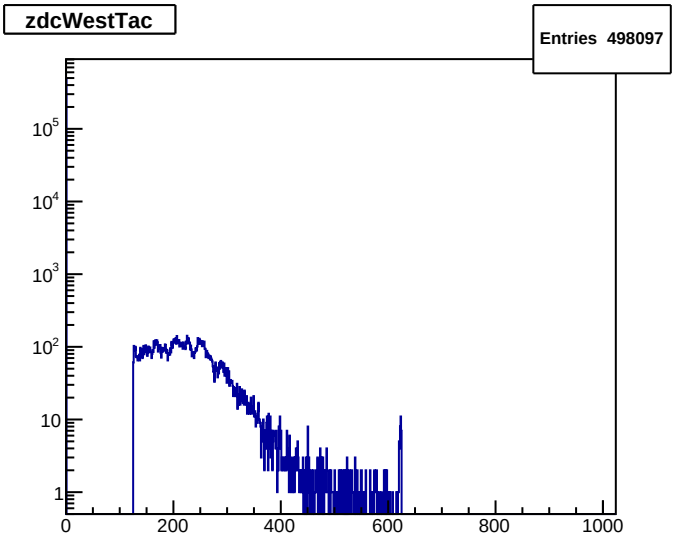

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

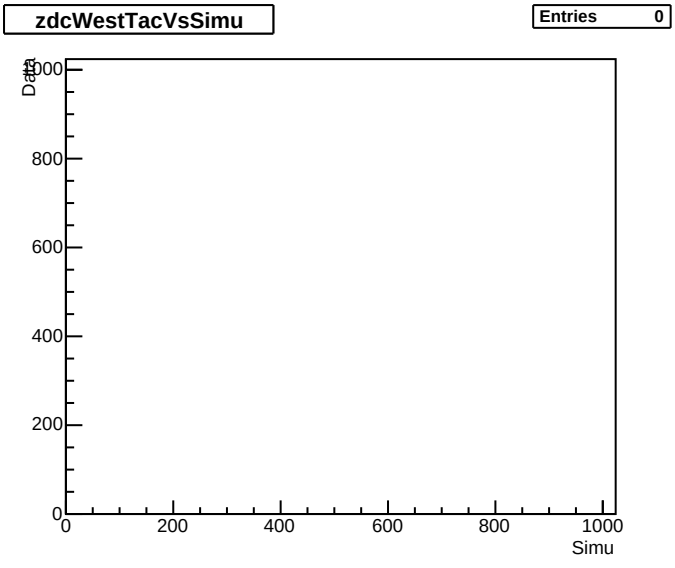

vpdWestTacMax
Entries 498097

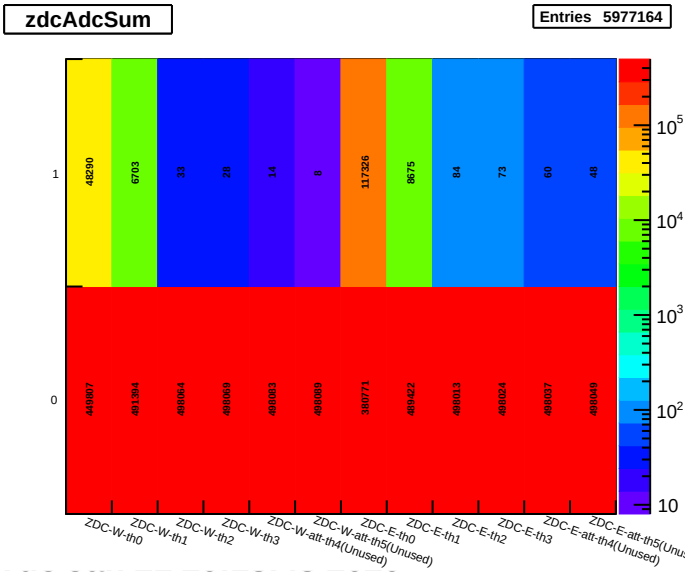

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

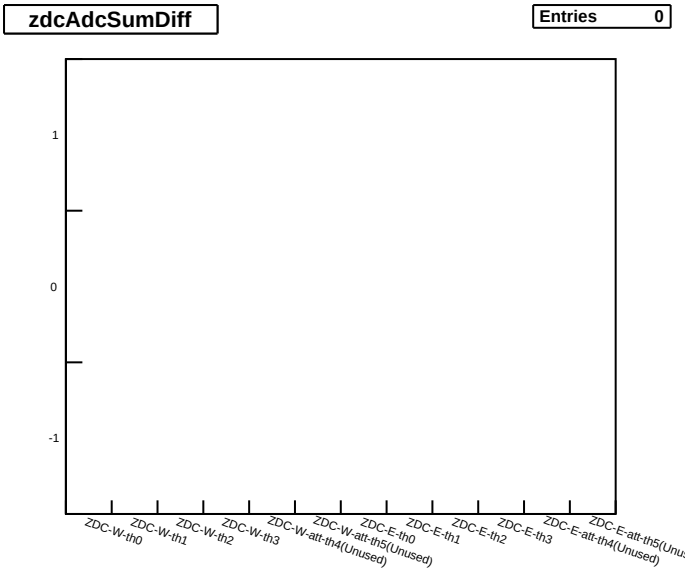

zdcEastTac
Entries 498097
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

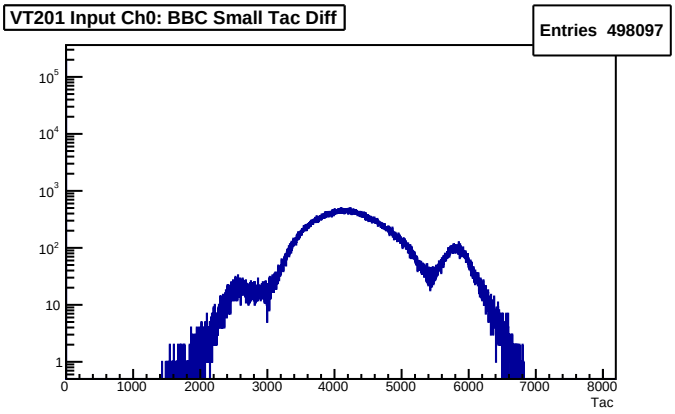

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

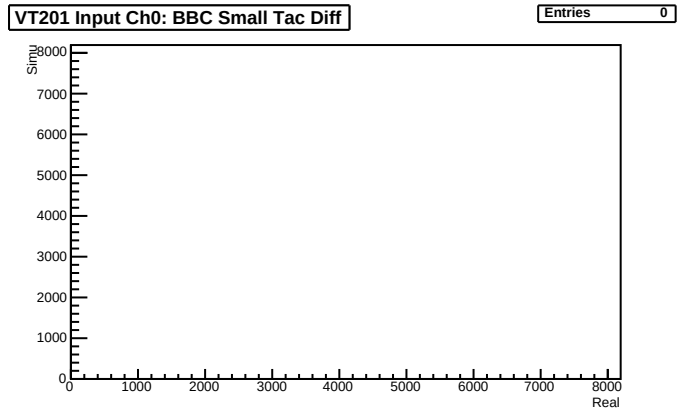

zdcWestTac
Entries 498097
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

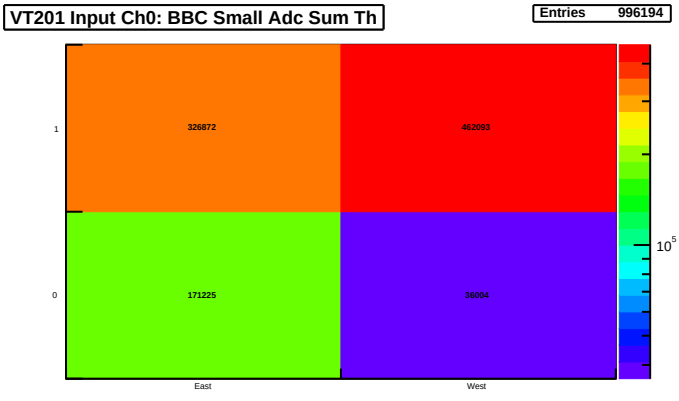

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

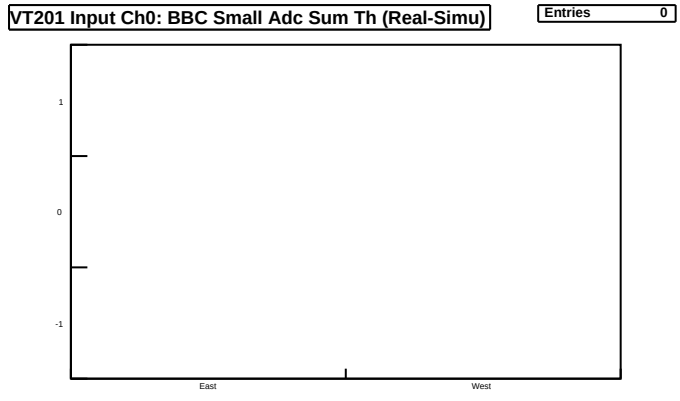

zdcAdcSum
Entries 5977164
1
0
48290
6703
33
28
14
8
117326
8675
84
73
60
48
449807
491394
498064
498069
498083
498089
380771
489422
498013
498024
498037
498049
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

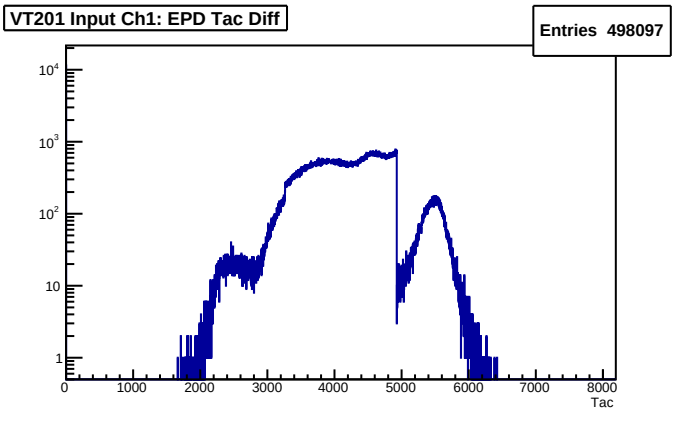

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

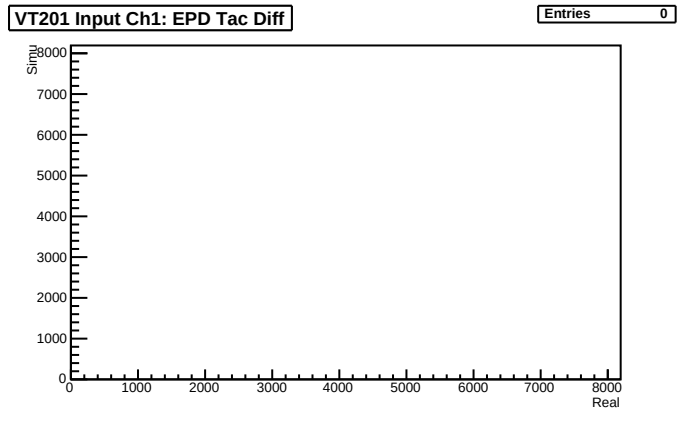

VT201 Input Ch0: BBC Small Tac Diff
Entries 498097
Tac

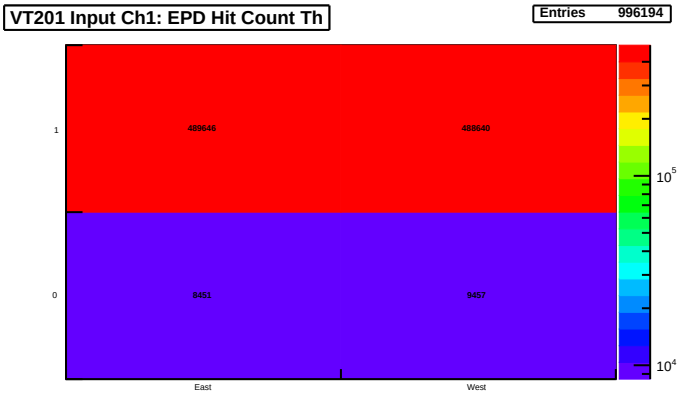

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

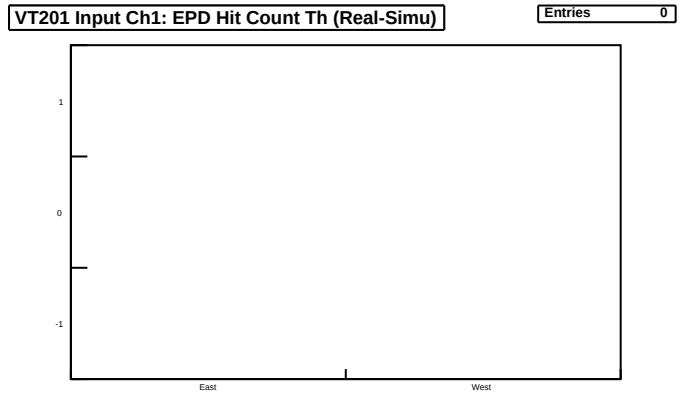

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 996194
326872
462093
171225
36004
East
West

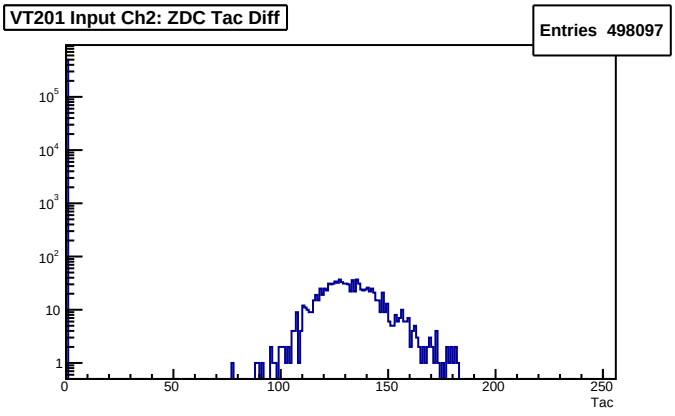

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

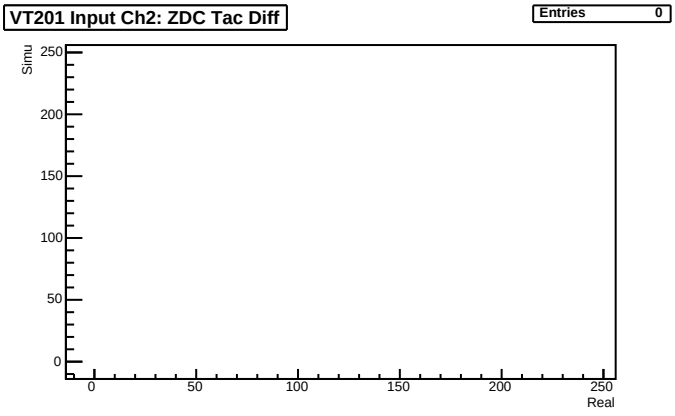

VT201 Input Ch1: EPD Tac Diff
Entries 498097
Tac

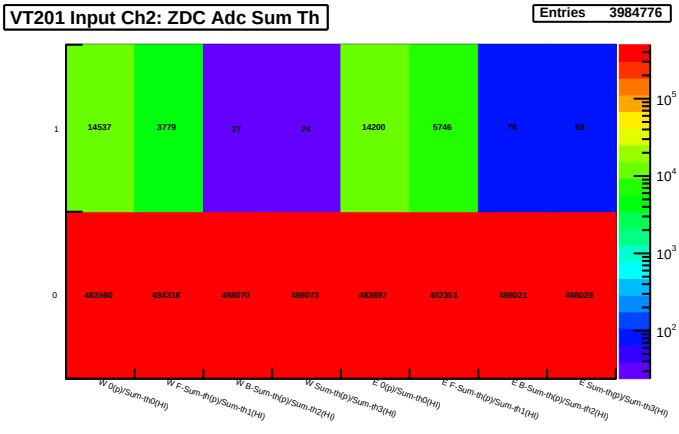

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

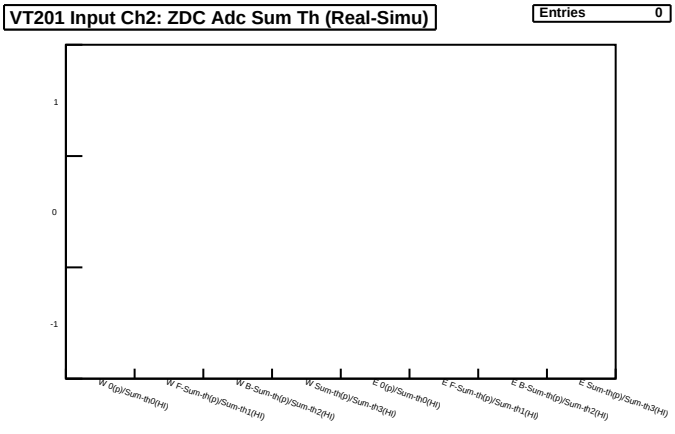

VT201 Input Ch1: EPD Hit Count Th
Entries 996194
489646
488640
8451
9457
East
West

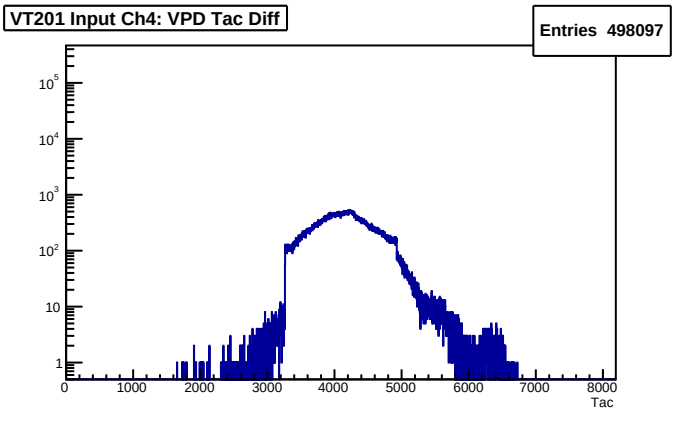

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

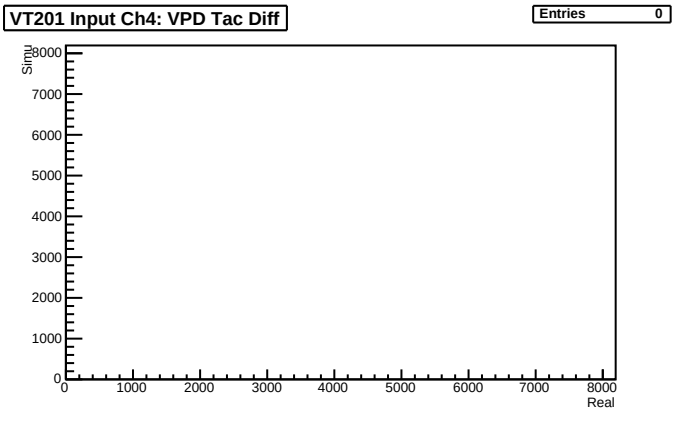

VT201 Input Ch2: ZDC Tac Diff
Entries 498097
Tac

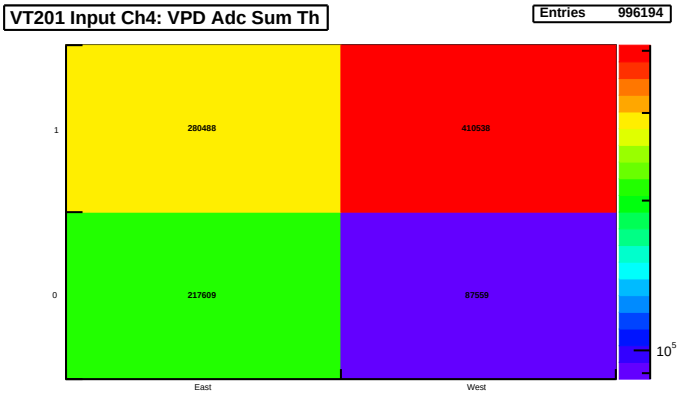

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

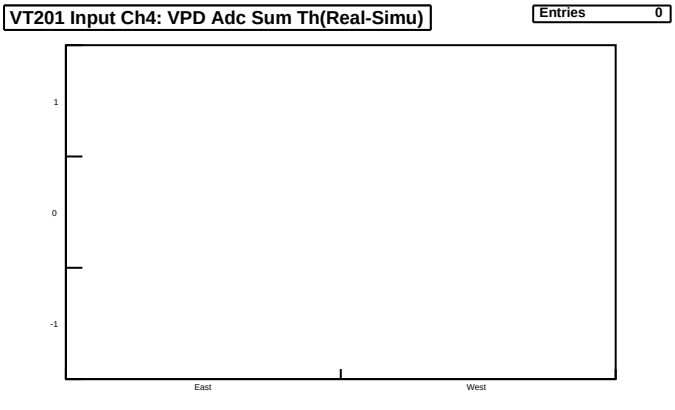

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3984776
14537
3779
27
24
14200
5746
76
68
483560
494318
498070
498073
483897
492351
498021
498029
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

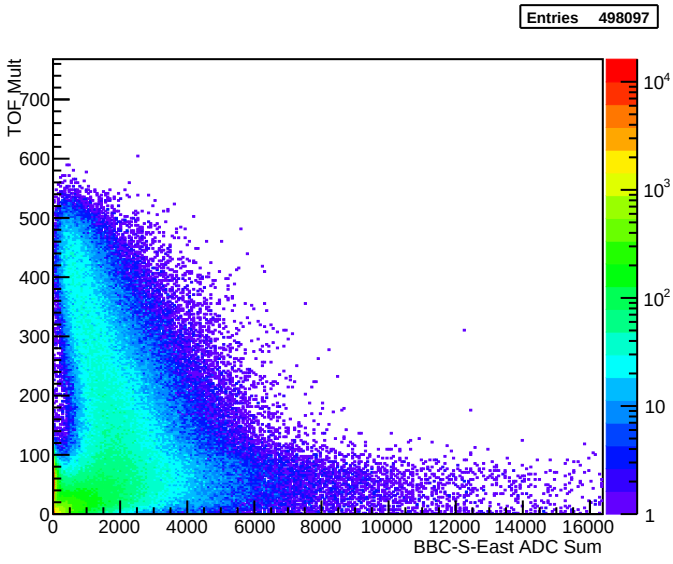

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

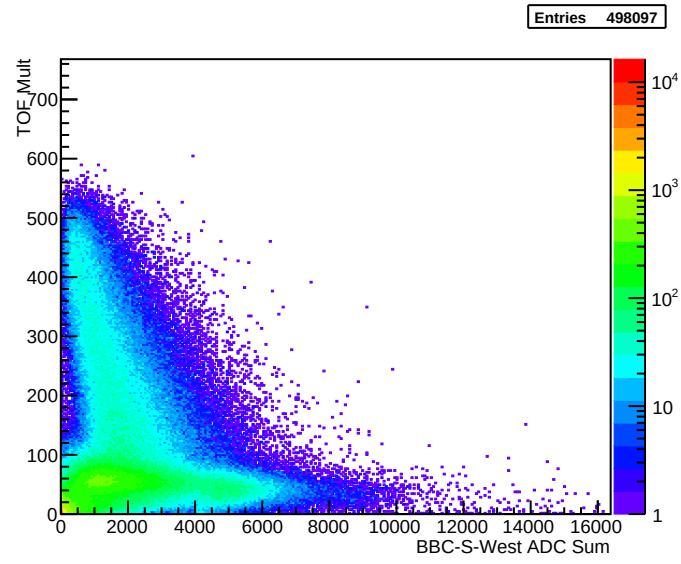

VT201 Input Ch4: VPD Tac Diff
Entries 498097
Tac

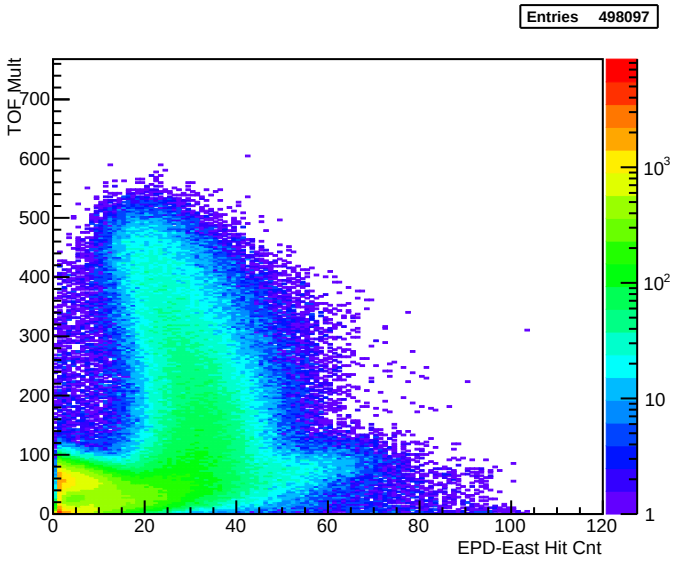

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

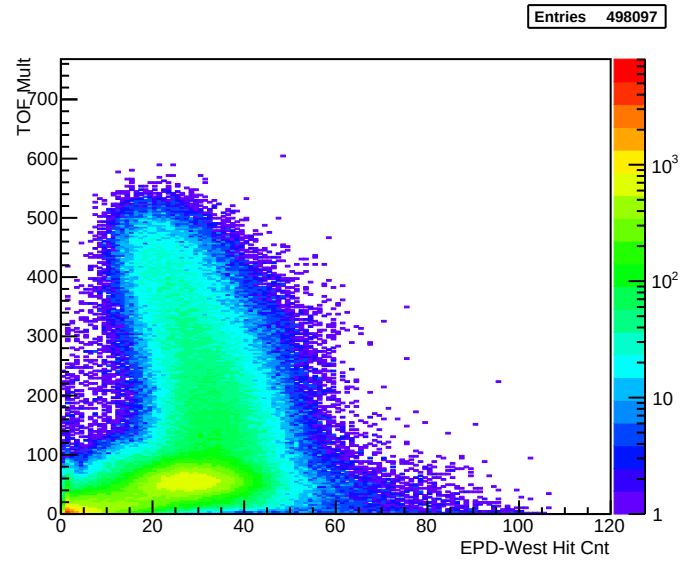

VT201 Input Ch4: VPD Adc Sum Th
Entries 996194
280488
410538
217609
87559
East
West

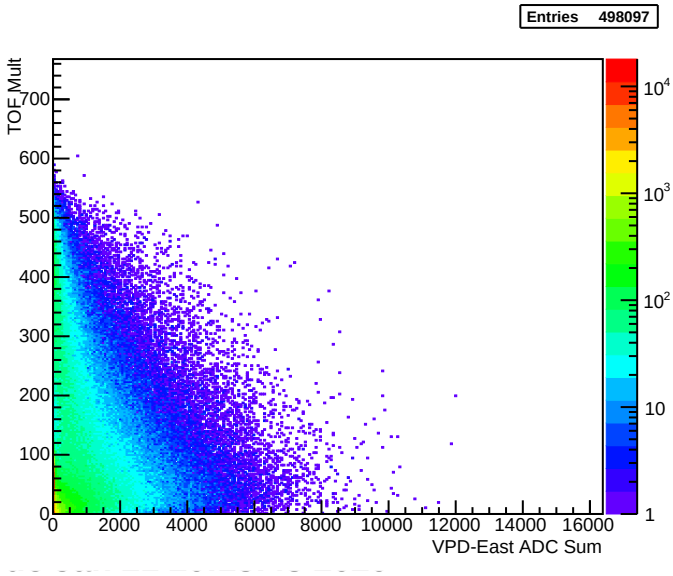

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

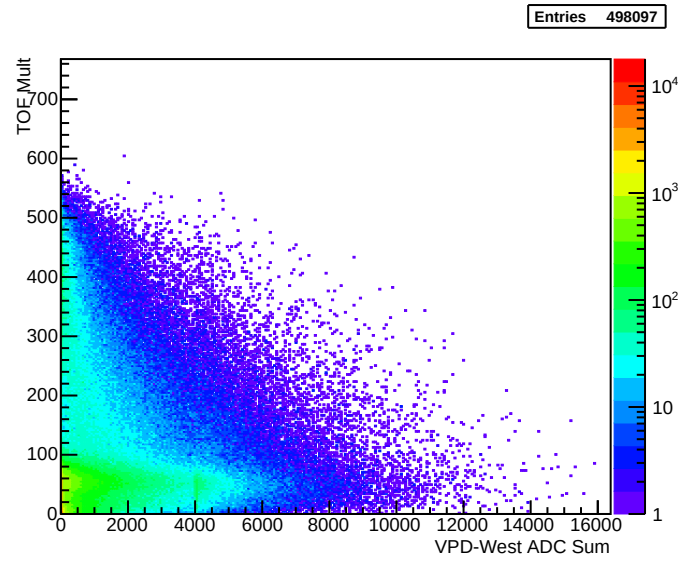

Entries 498097
TOF_Mult
BBC-S-East ADC Sum

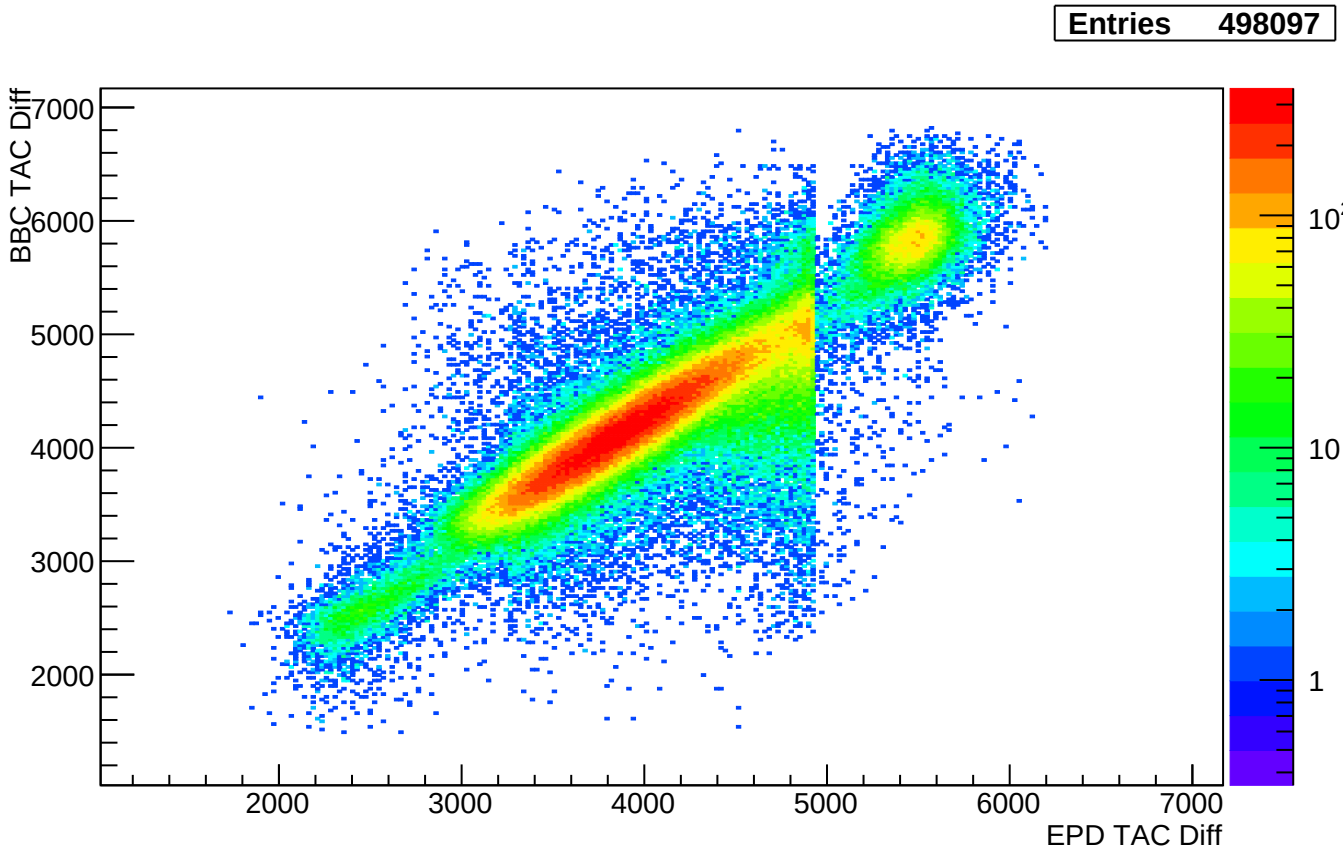

Entries 498097
TOF_Mult
BBC-S-West ADC Sum

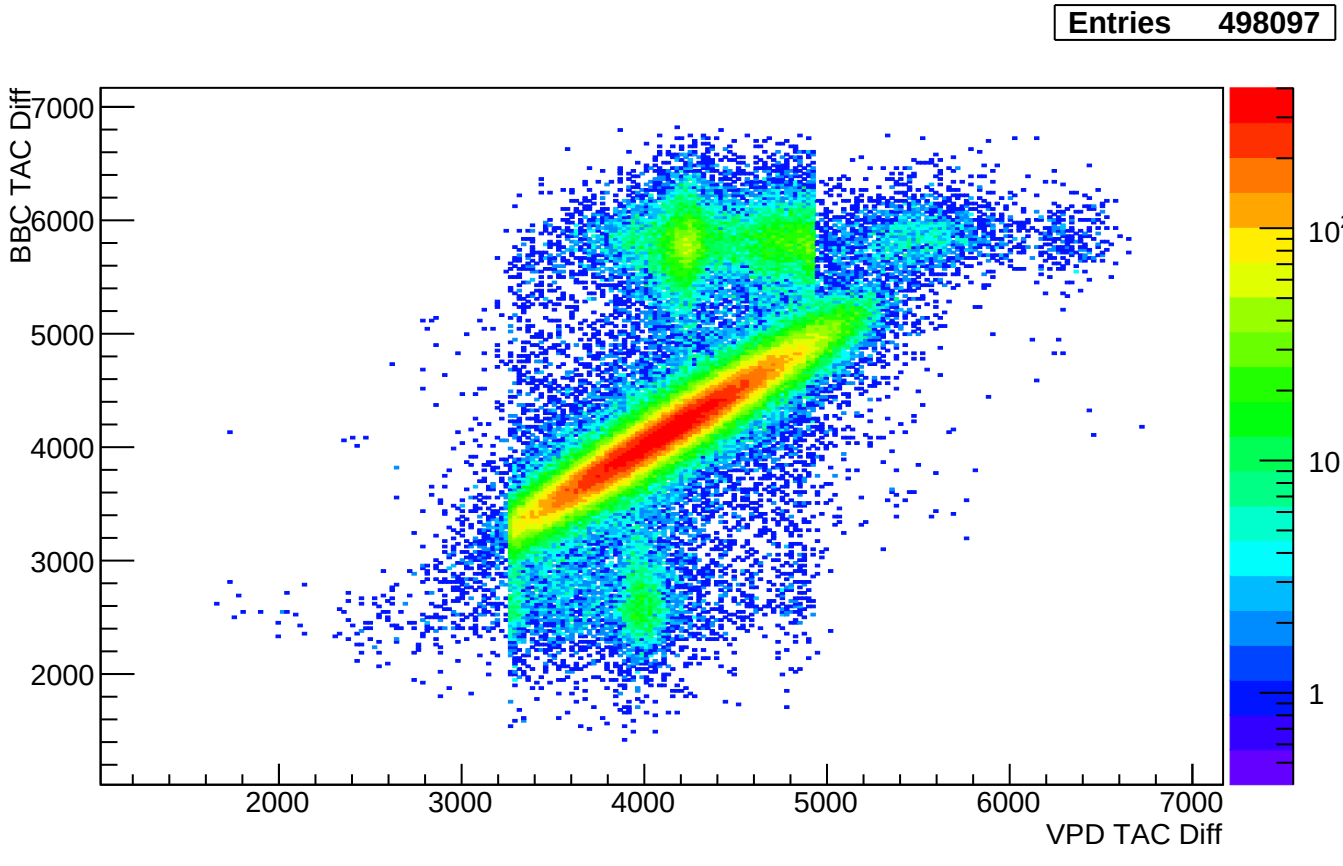

Entries 498097
TOF_Mult
EPD-East Hit Cnt

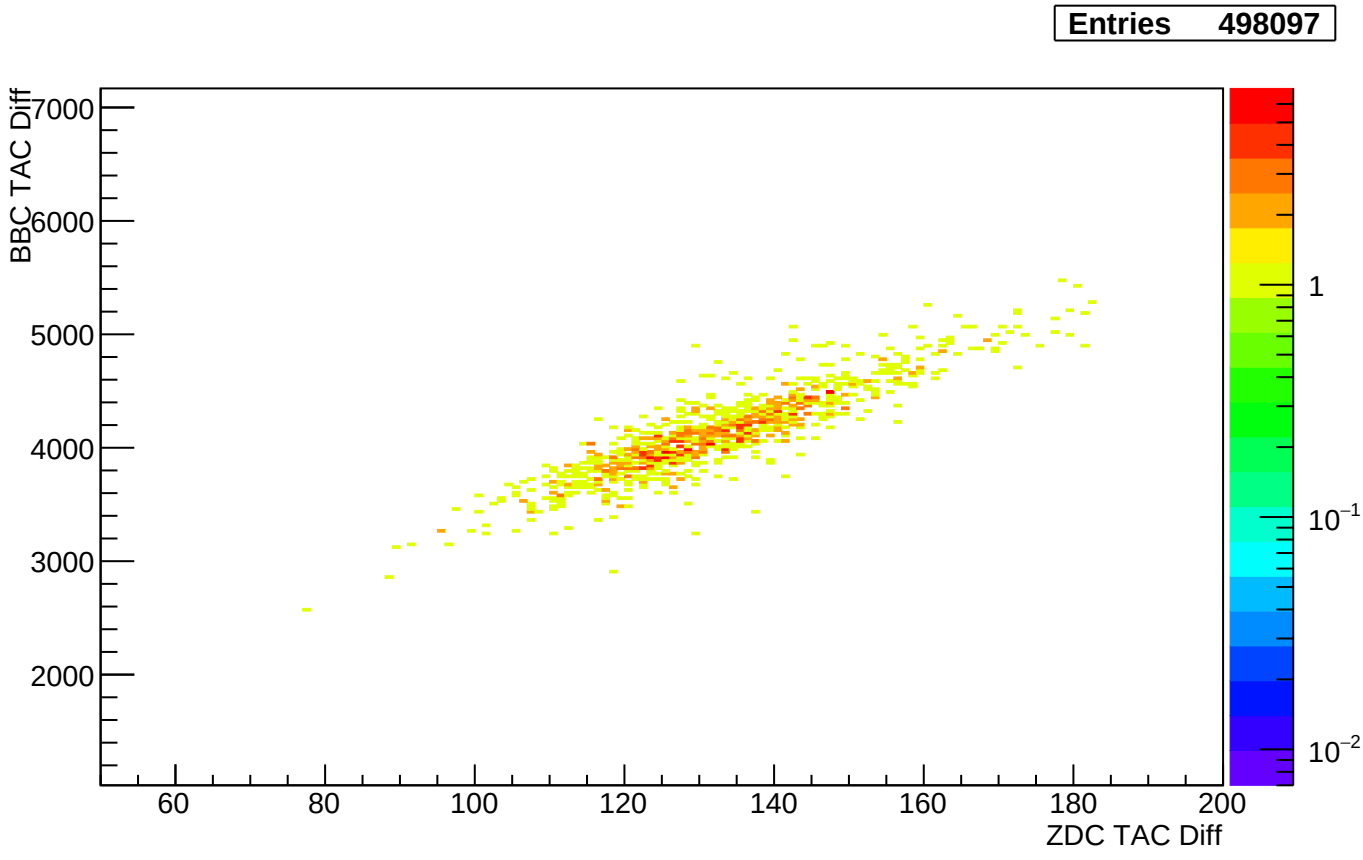

Entries 498097
TOF_Mult
EPD-West Hit Cnt

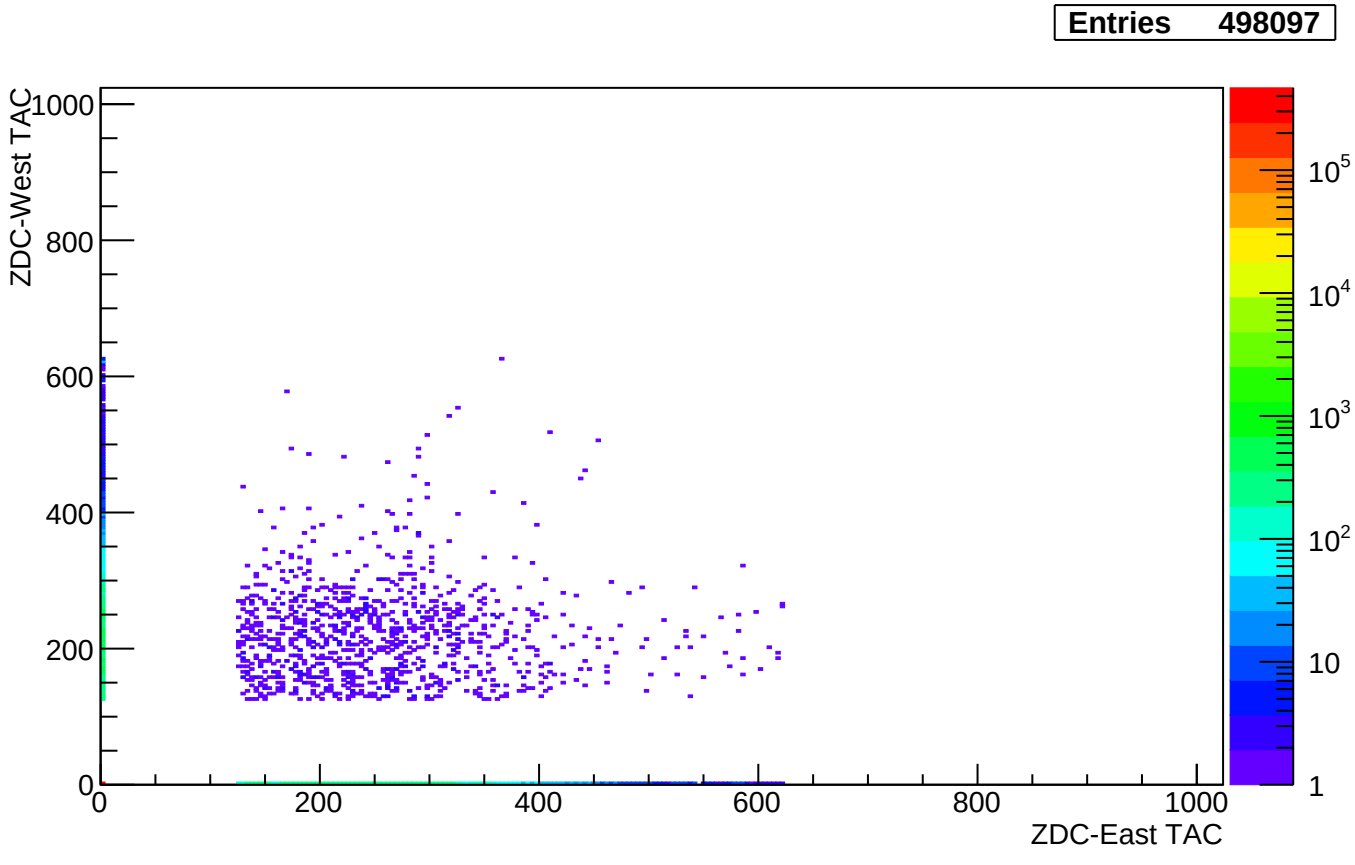

Entries 498097
TOF_Mult
VPD-East ADC Sum

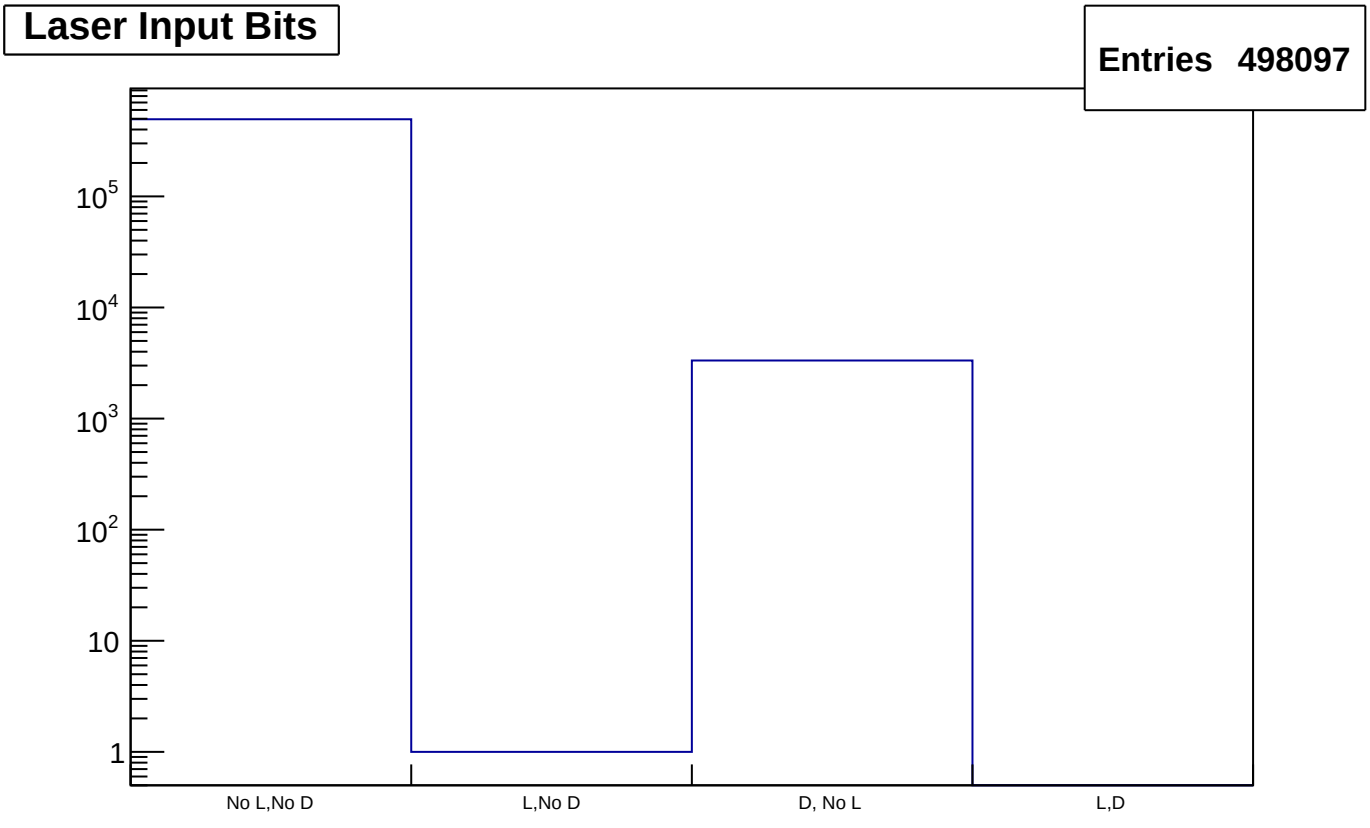

Entries 498097
TOF_Mult
VPD-West ADC Sum

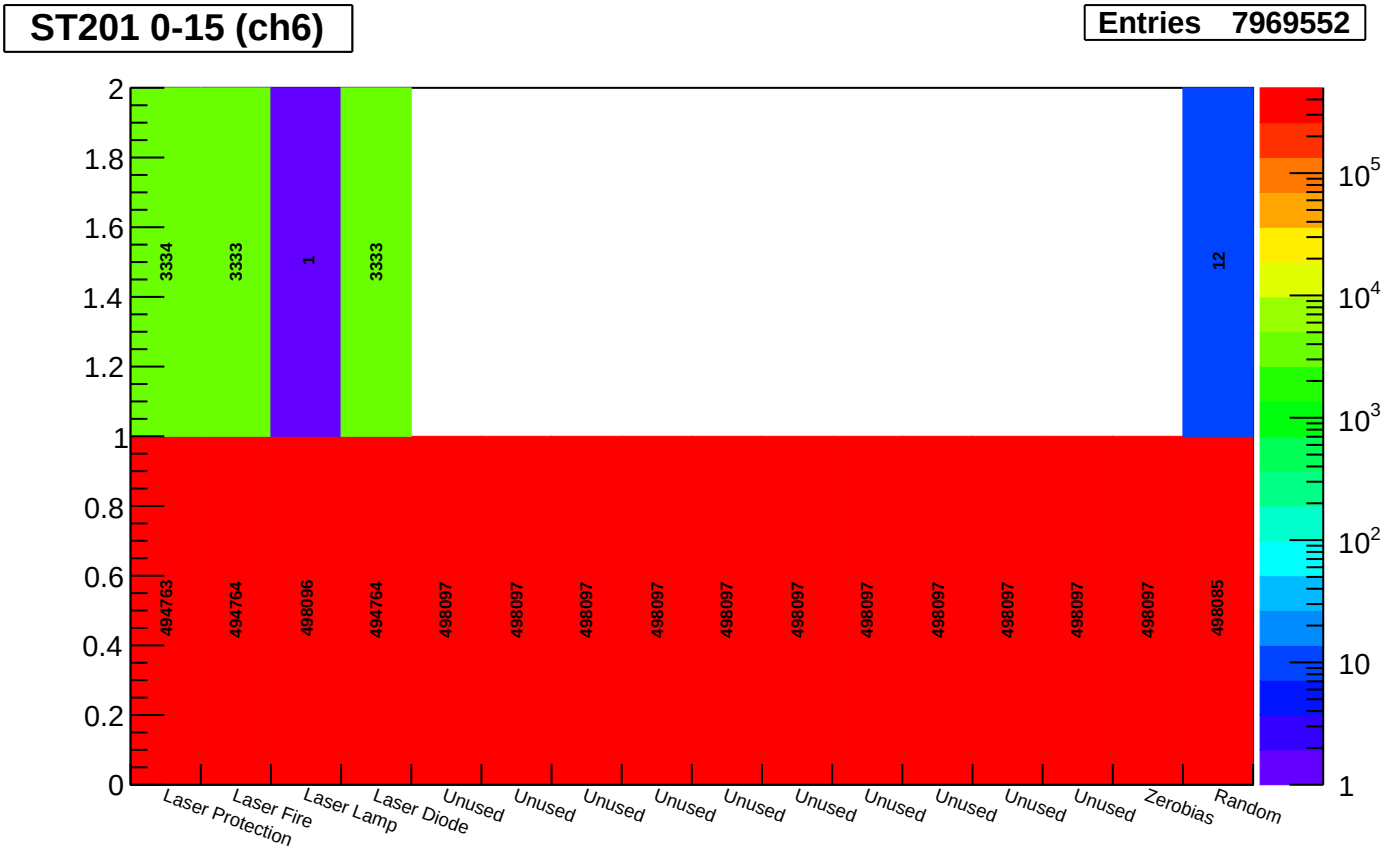

Entries 498097
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

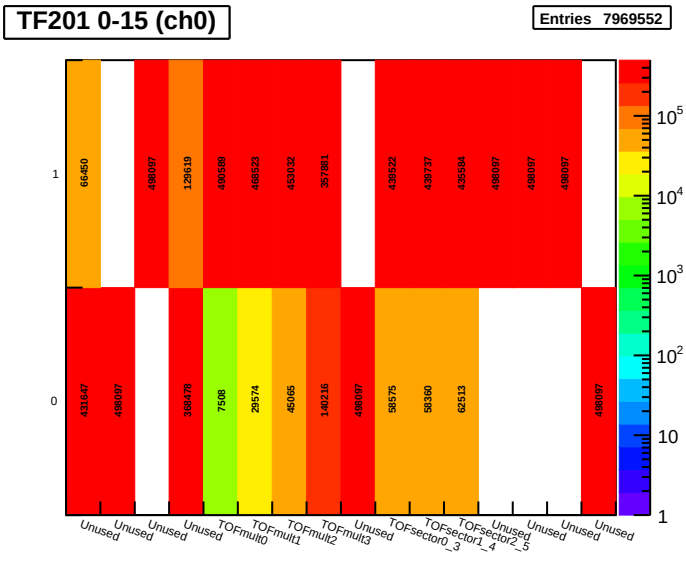

Entries 498097
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

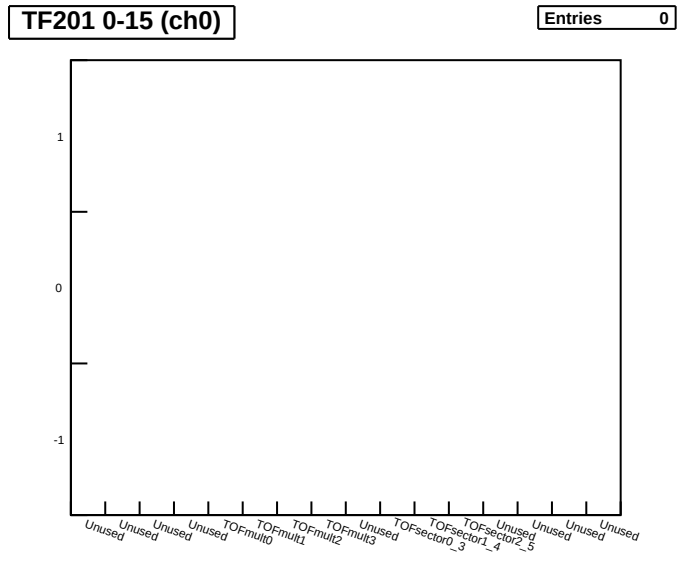

Entries 498097
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

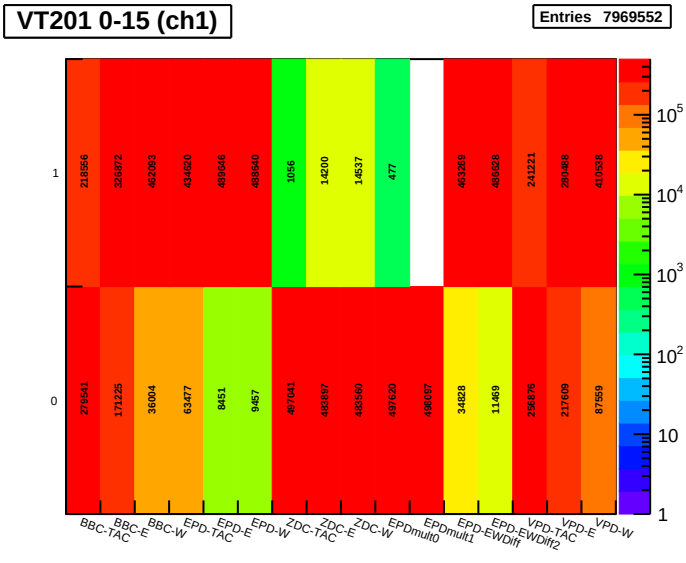

Entries 498097
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

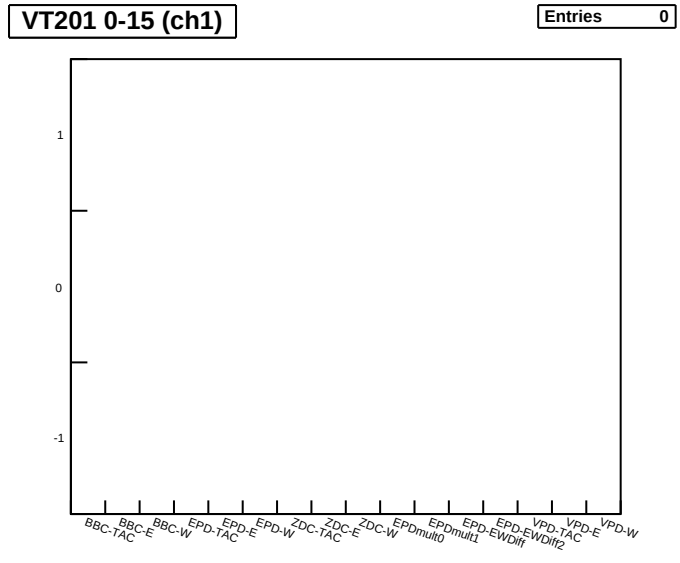

Laser Input Bits
Entries 498097
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

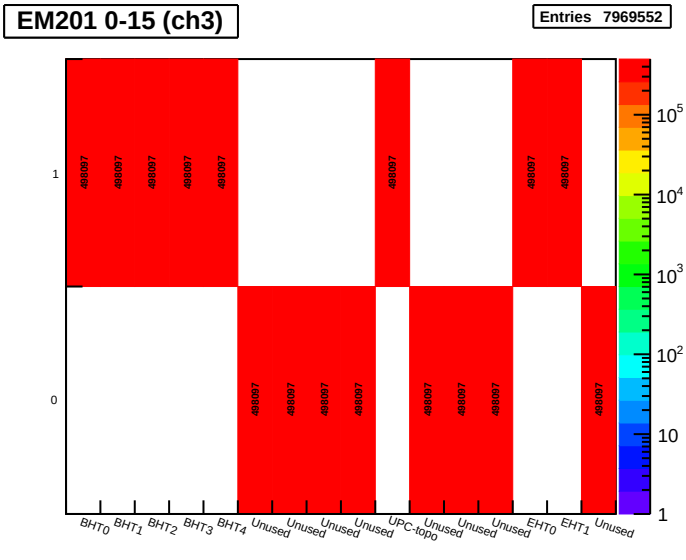

ST201 0-15 (ch6)
Entries 7969552
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3334
3333
1
3333
12
494763
494764
498096
494764
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
498085
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

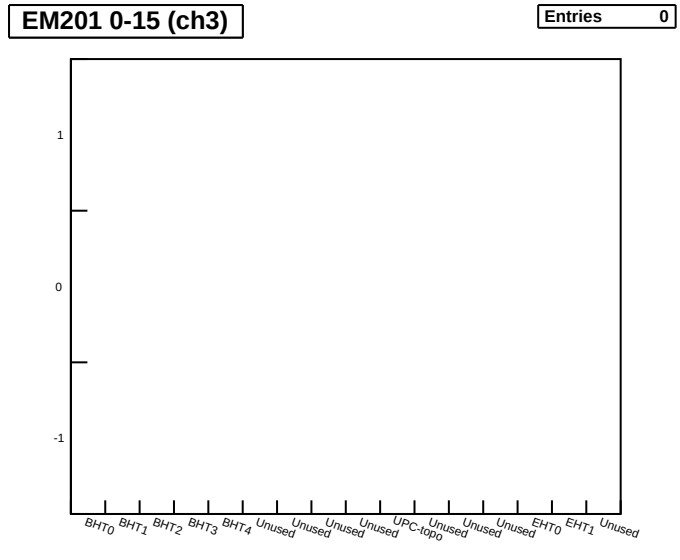

TF201 0-15 (ch0)
Entries 7969552
66450
498097
129619
490589
468523
453032
357881
439522
439737
435584
498097
498097
498097
431647
498097
368478
7508
29574
45065
140216
498097
58575
58360
62513
498097
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 7969552
218556
326872
462093
434620
489646
488640
1056
14200
14537
477
463269
486628
241221
280488
410538
279541
171225
36004
63477
8451
9457
497041
483897
483560
497620
498097
34828
11469
256876
217609
87559
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


VT201 0-15 (ch1)
Entries 0
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 7969552
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
498097
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


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