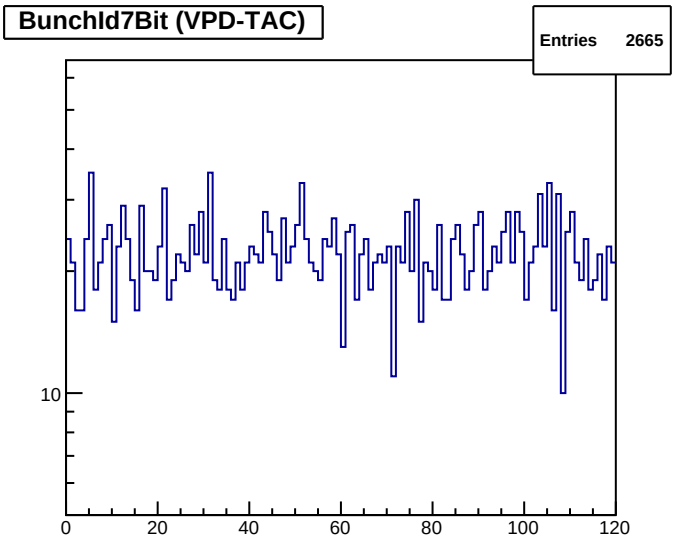
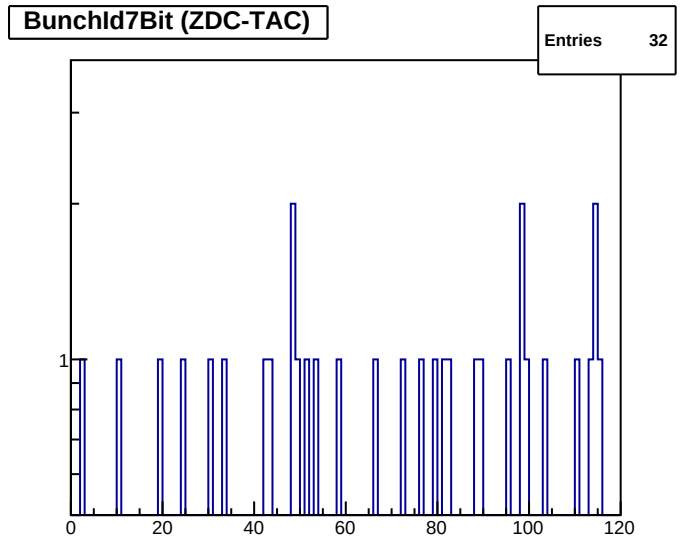
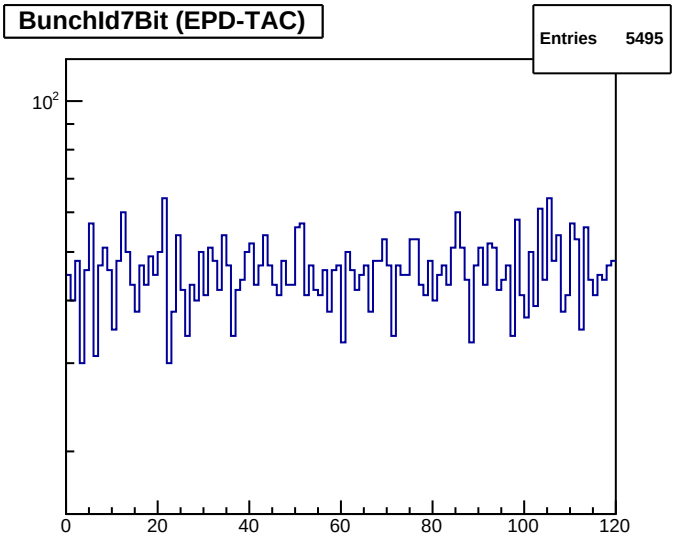
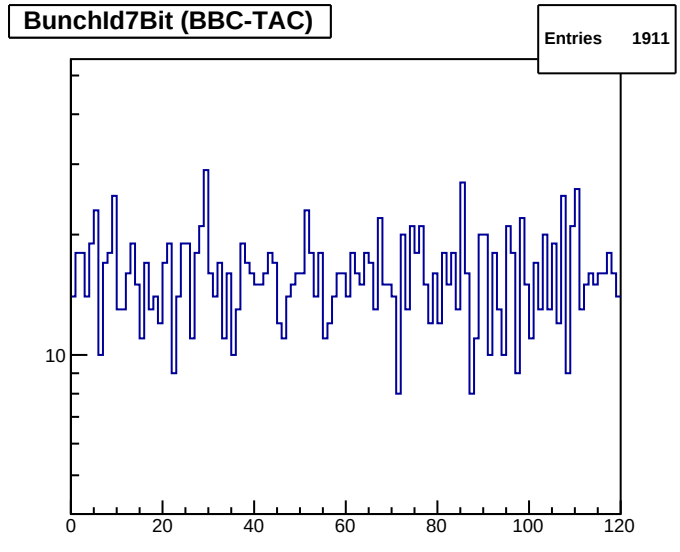
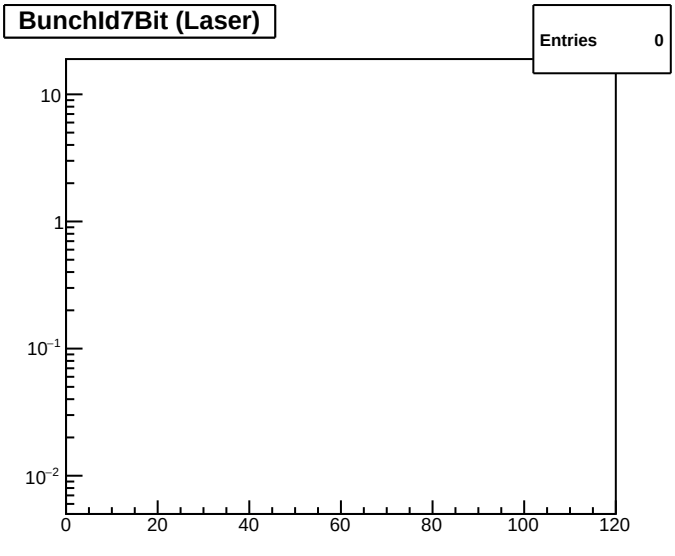
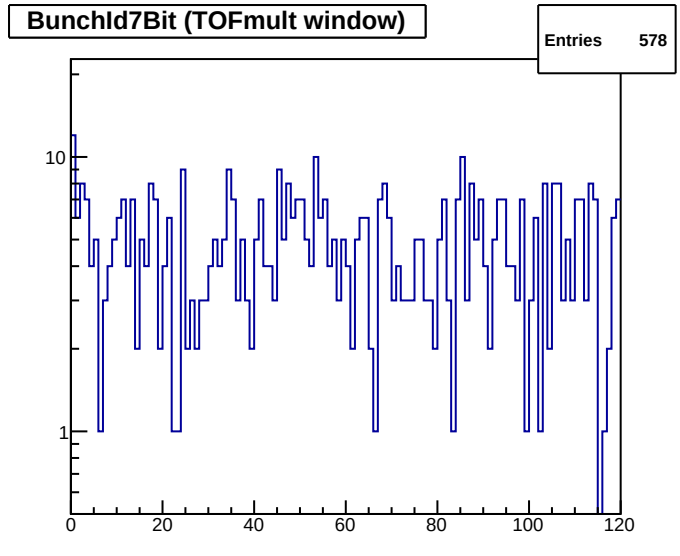

BunchId7Bit (VPD-TAC)
Entries 2665
10
0 20 40 60 80 100 120

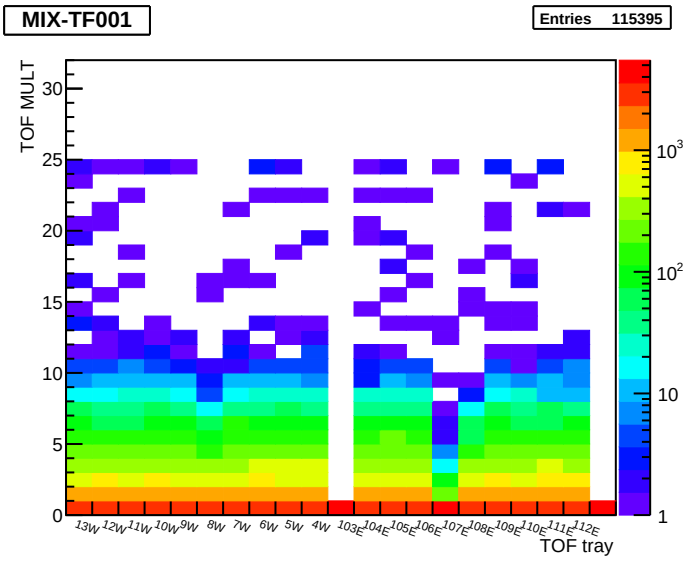

BunchId7Bit (ZDC-TAC)
Entries 32
1
0 20 40 60 80 100 120

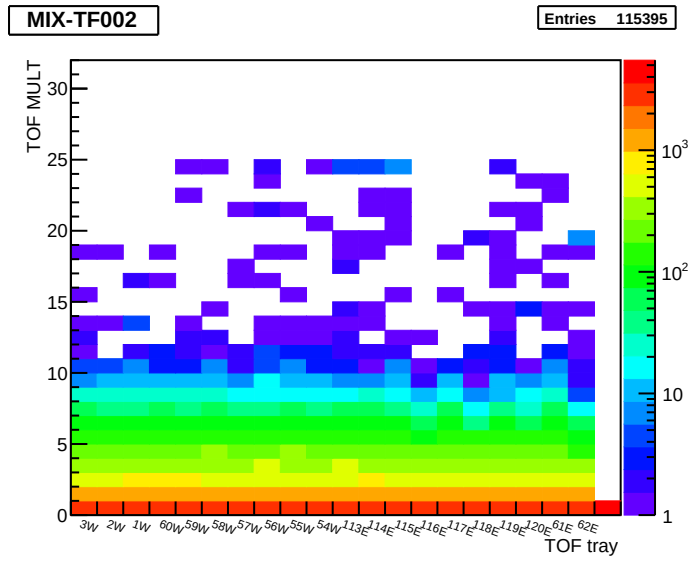

BunchId7Bit (EPD-TAC)
Entries 5495
10^2
0 20 40 60 80 100 120

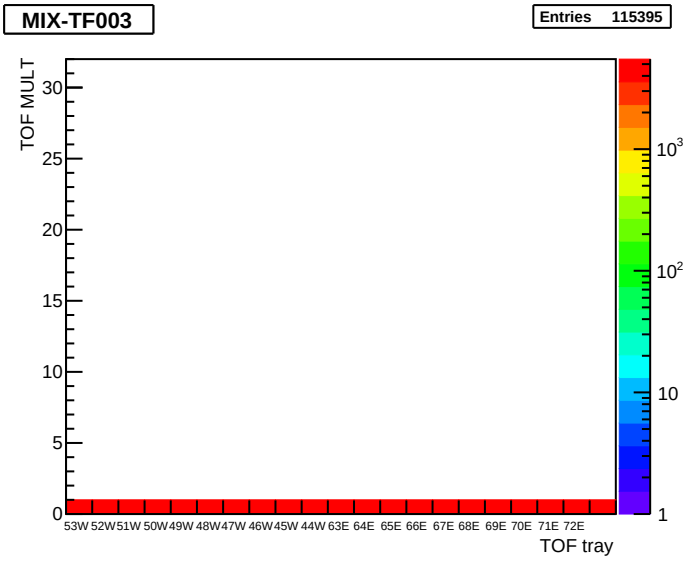

BunchId7Bit (BBC-TAC)
Entries 1911
10
0 20 40 60 80 100 120

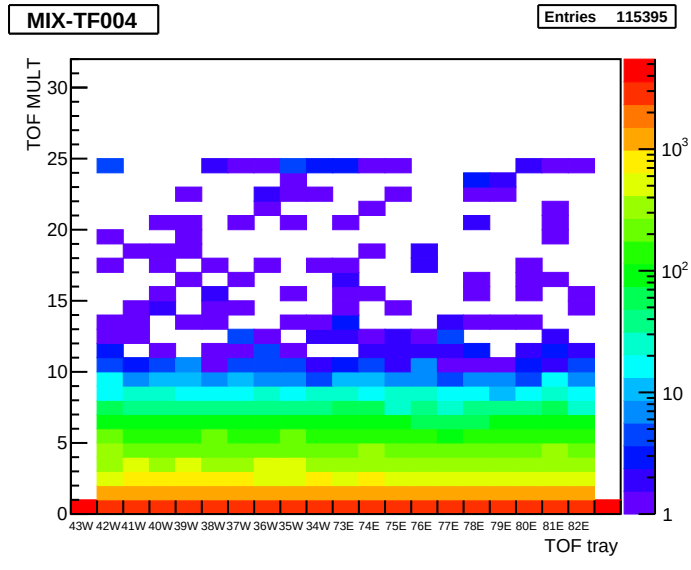

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

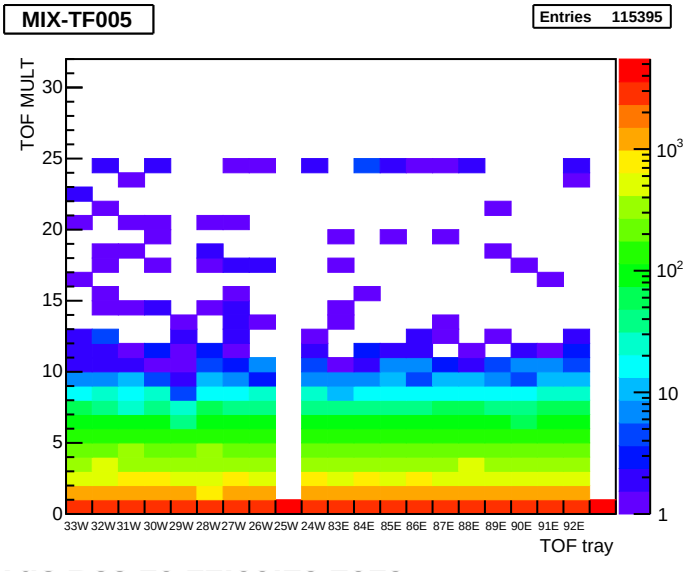

BunchId7Bit (TOFmult window)
Entries 578
10
1
0 20 40 60 80 100 120

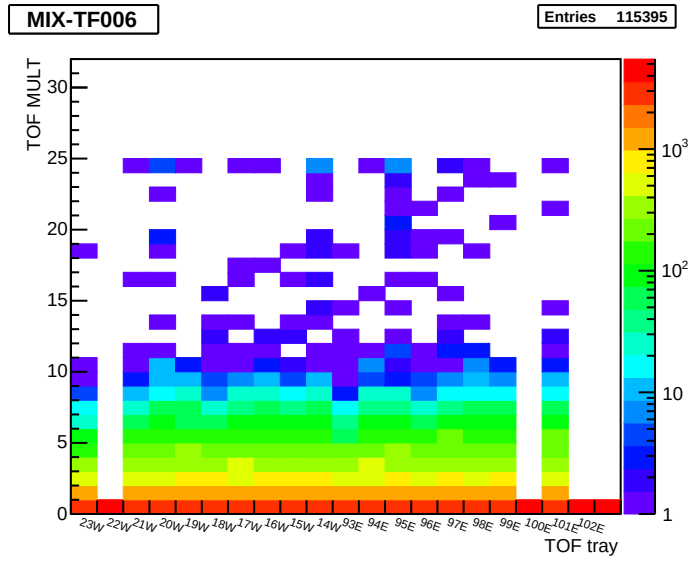

MIX-TF001
Entries 115395
TOF MULT
TOF tray

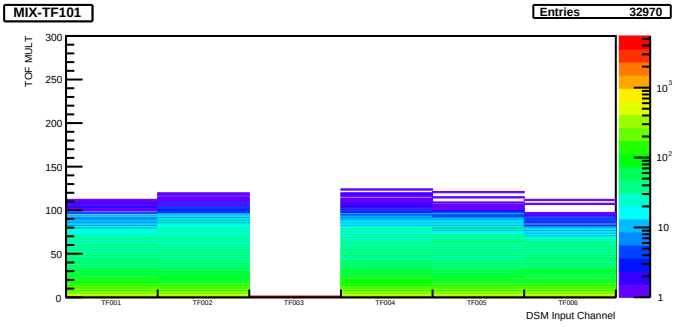

MIX-TF002
Entries 115395
TOF MULT
TOF tray

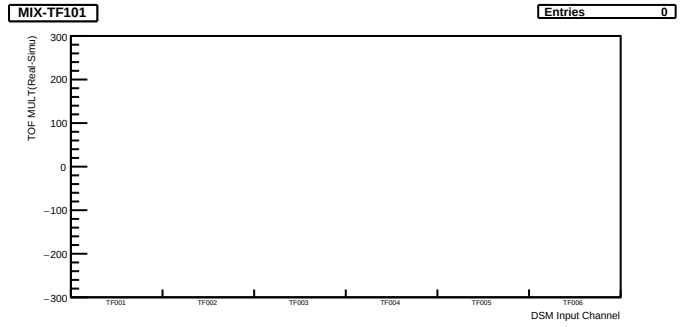

MIX-TF003
Entries 115395
TOF MULT
TOF tray

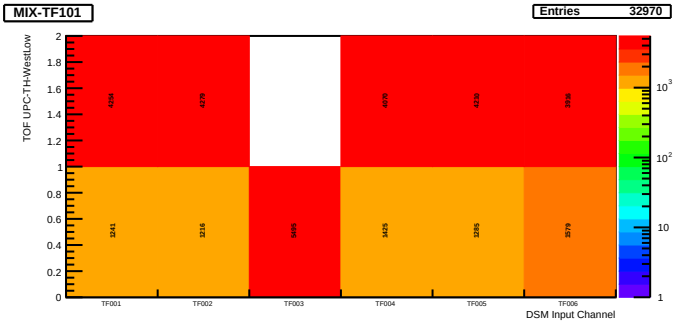

MIX-TF004
Entries 115395
TOF MULT
TOF tray

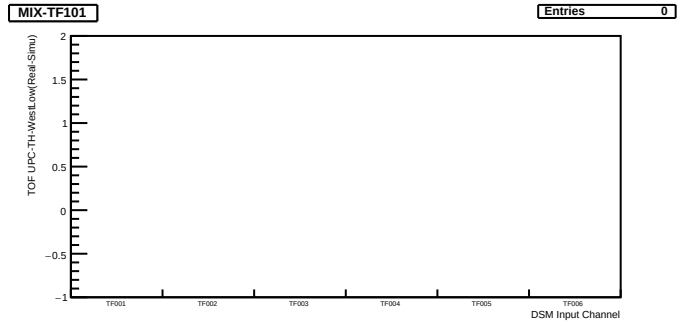

MIX-TF005
Entries 115395
TOF MULT
TOF tray

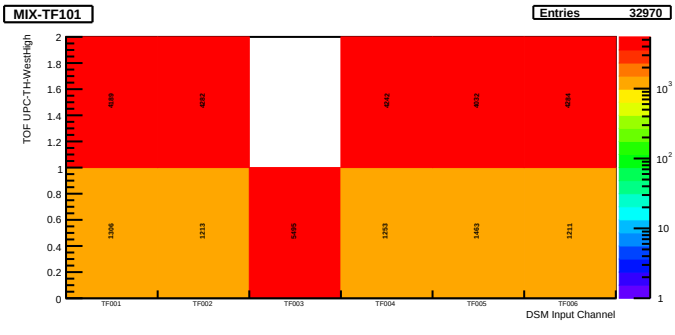

MIX-TF006
Entries 115395
TOF MULT
TOF tray

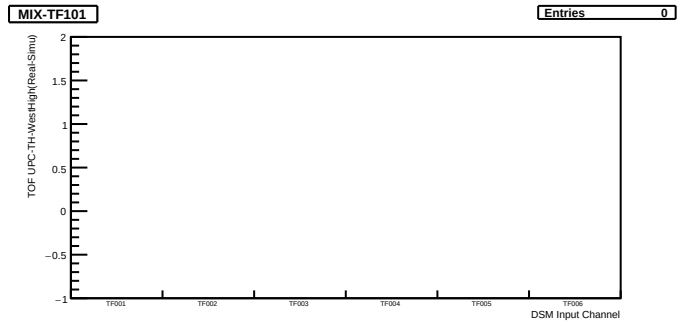

MIX-TF101
Entries 32970
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

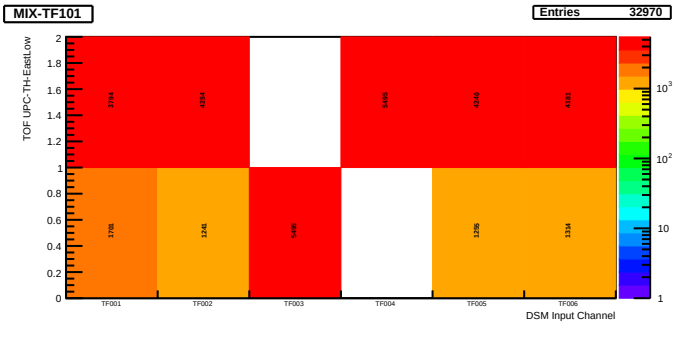

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

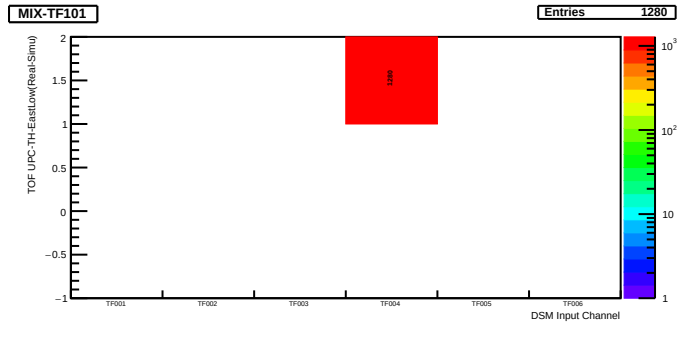

MIX-TF101
Entries 32970
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

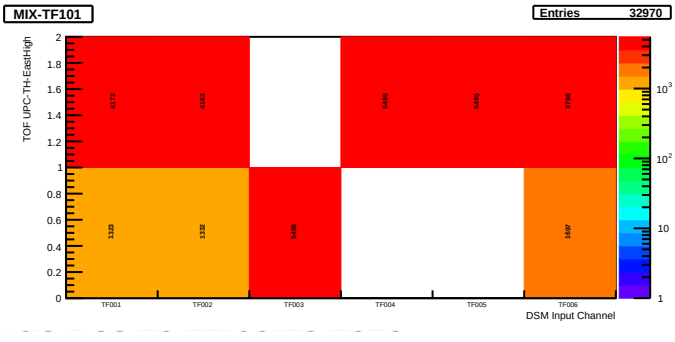

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

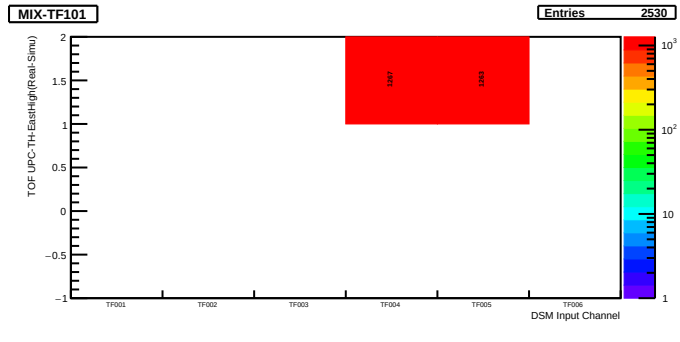

MIX-TF101
Entries 32970
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

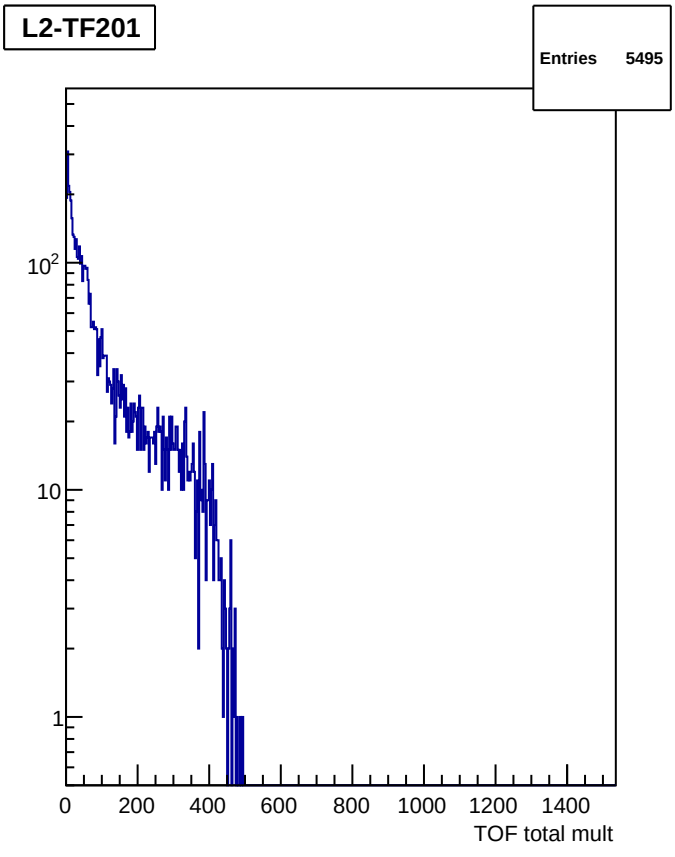

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

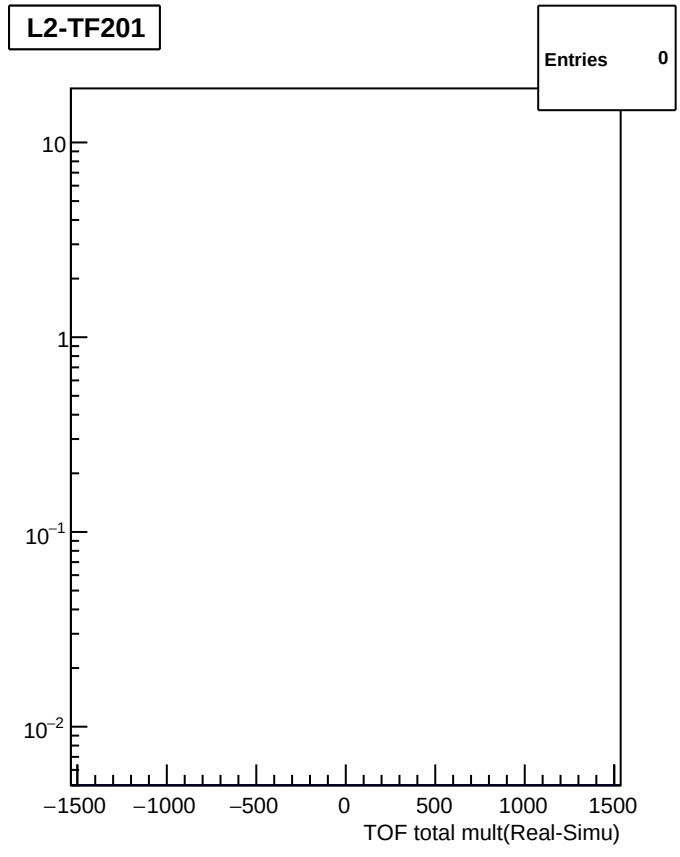

MIX-TF101
Entries 32970
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

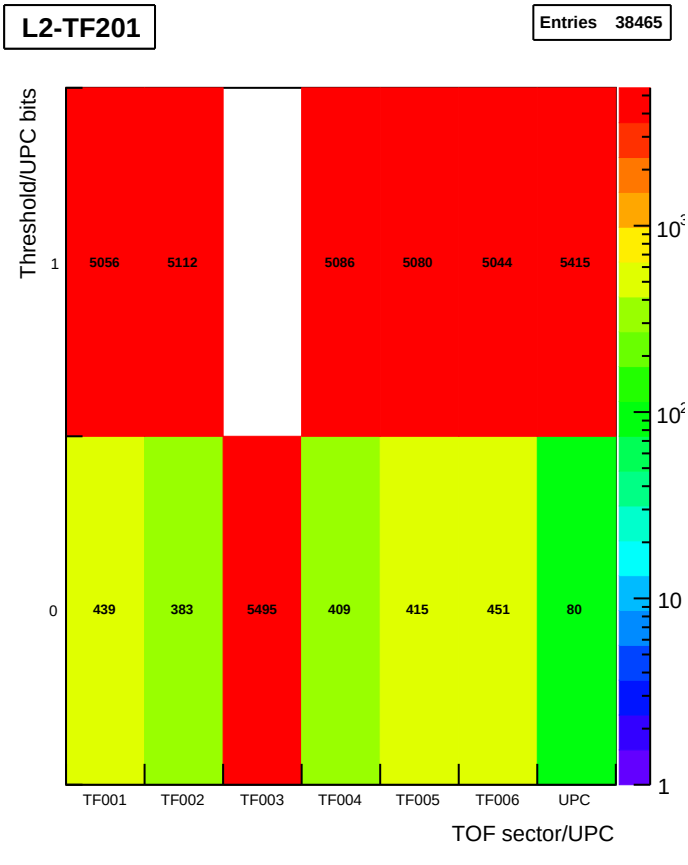

MIX-TF101
Entries 1280
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

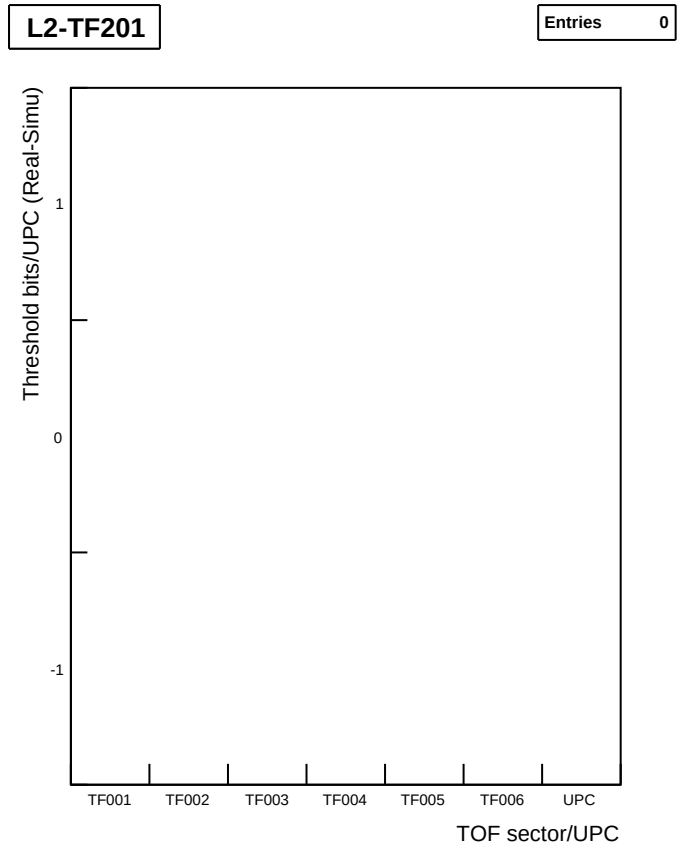

MIX-TF101
Entries 32970
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

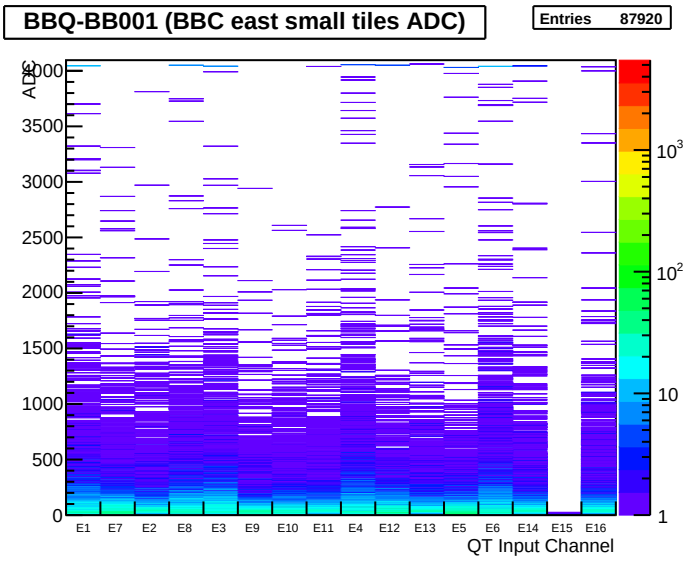

MIX-TF101
Entries 2530
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

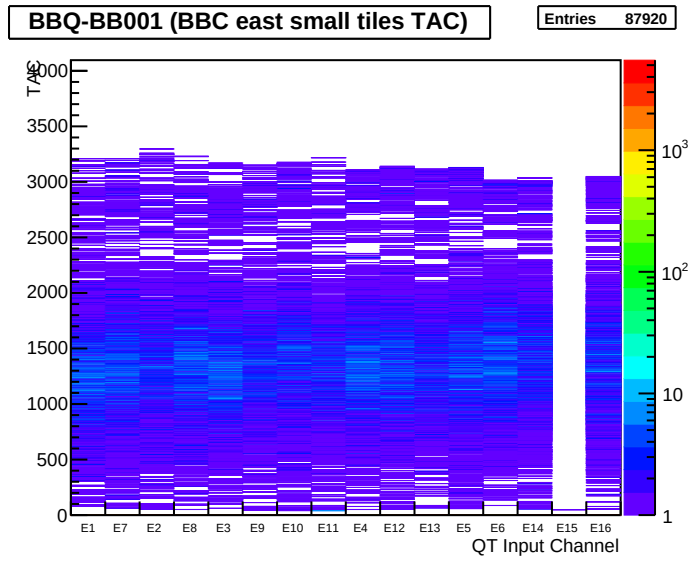

L2-TF201
Entries 5495
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

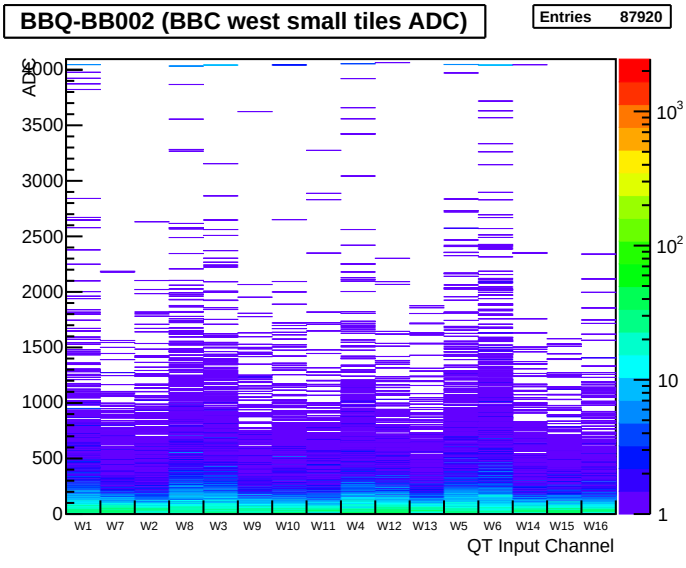

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

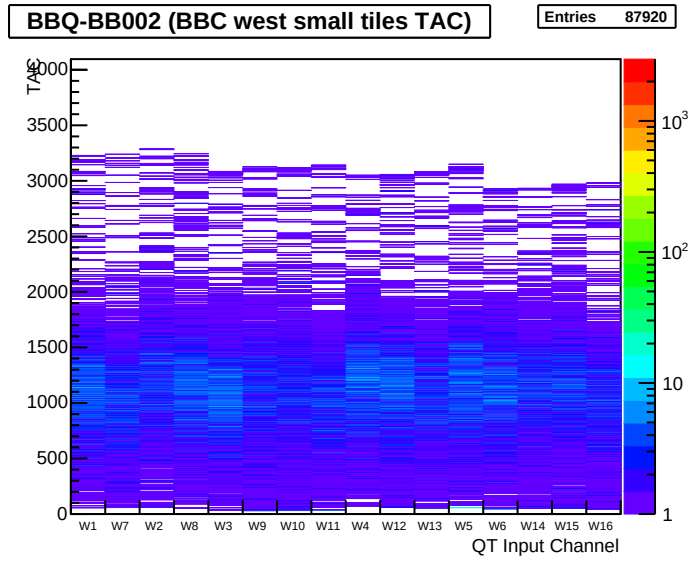

L2-TF201
Entries 38465
Threshold/UPC bits
1
0
5056
5112
5086
5080
5044
5415
439
383
5495
409
415
451
80
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC
10^3
10^2
10
1

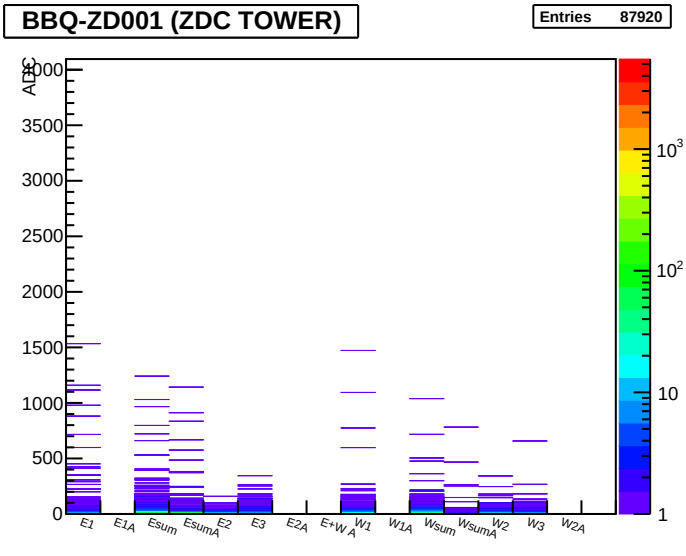

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

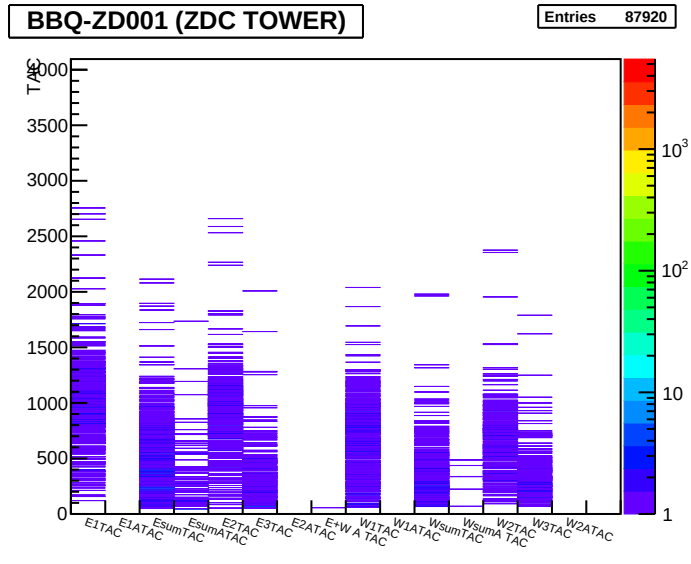

BBQ-BB001 (BBC east small tiles ADC)
Entries 87920
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

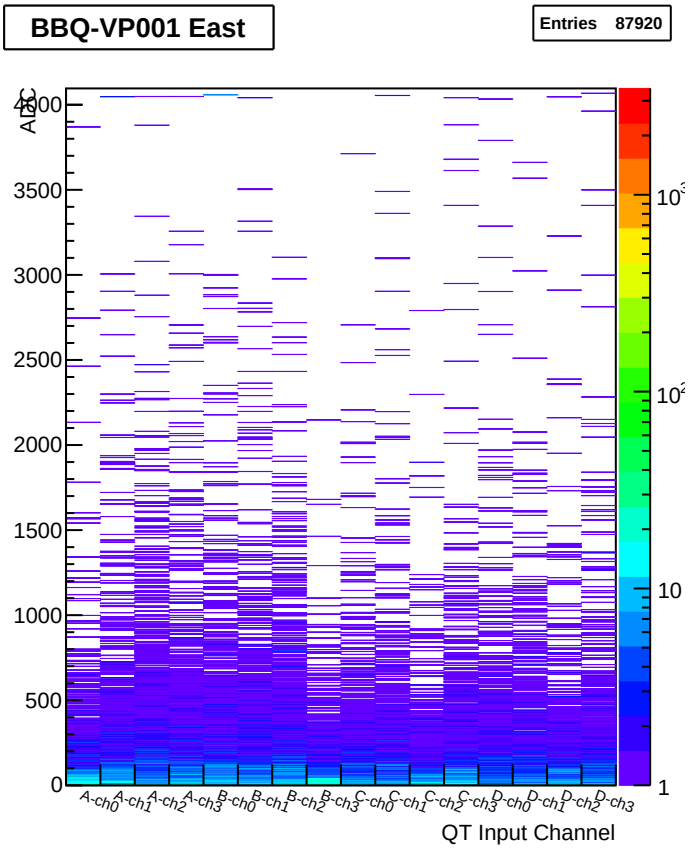

BBQ-BB001 (BBC east small tiles TAC)
Entries 87920
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

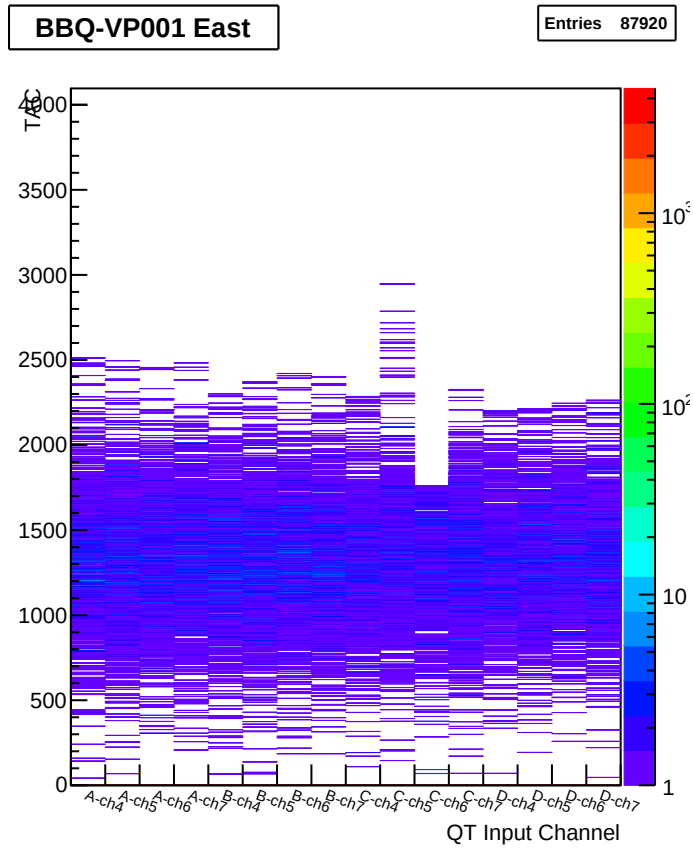

BBQ-BB002 (BBC west small tiles ADC)
Entries 87920
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

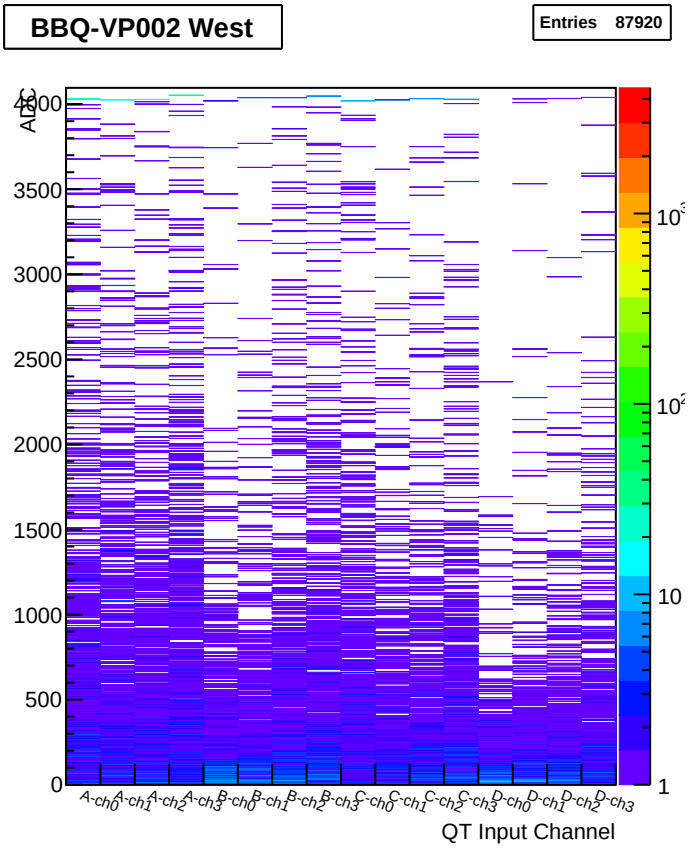

BBQ-BB002 (BBC west small tiles TAC)
Entries 87920
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

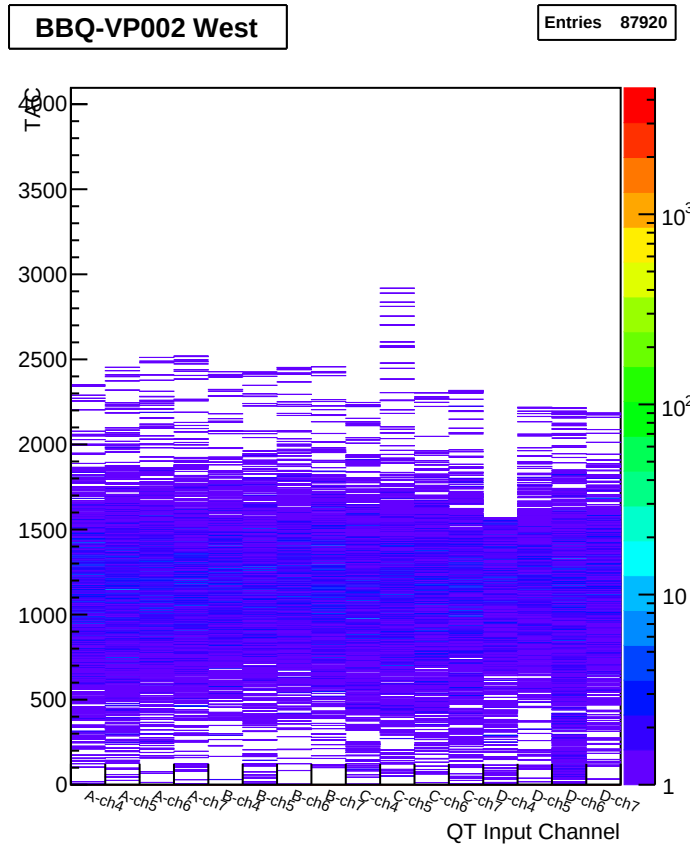

BBQ-ZD001 (ZDC TOWER)
Entries 87920
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

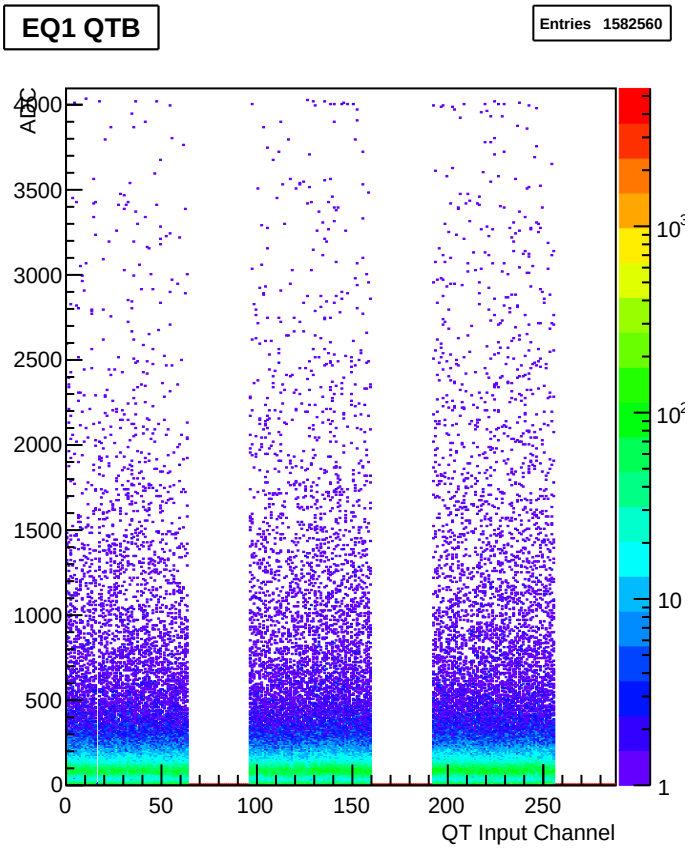

BBQ-ZD001 (ZDC TOWER)
Entries 87920
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

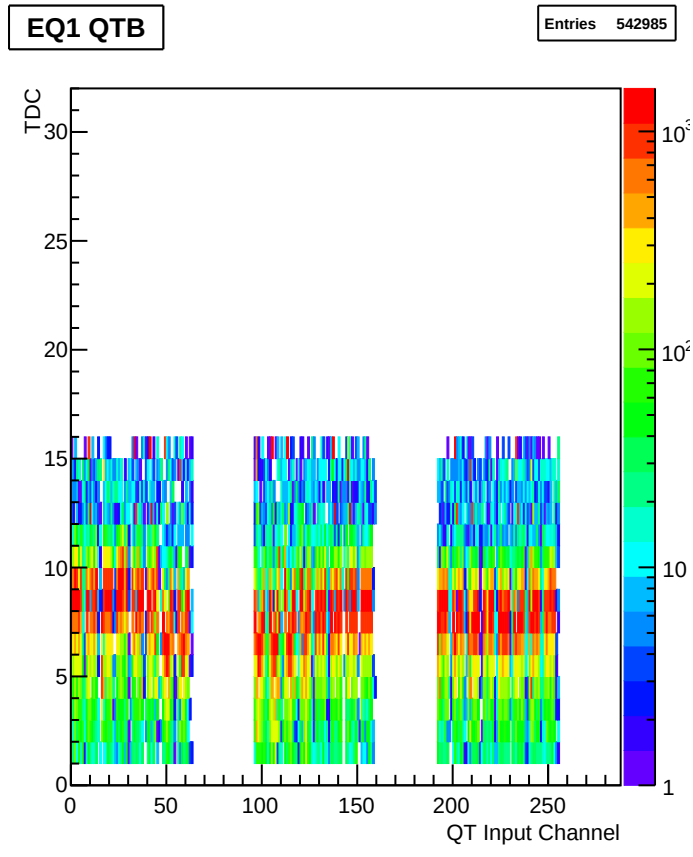

BBQ-VP001 East
Entries 87920
ADC
QT Input Channel

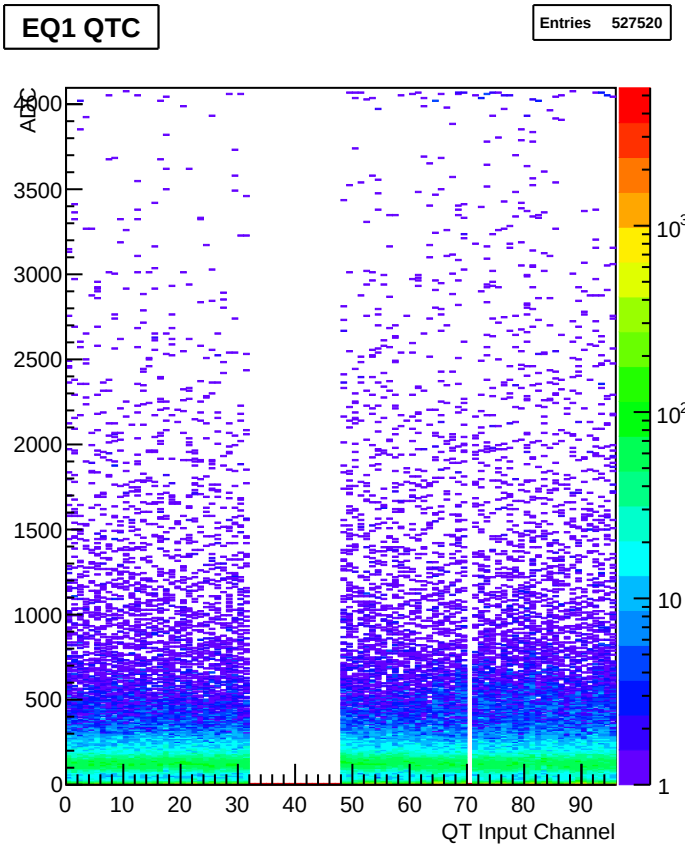

BBQ-VP001 East
Entries 87920
TADC
QT Input Channel

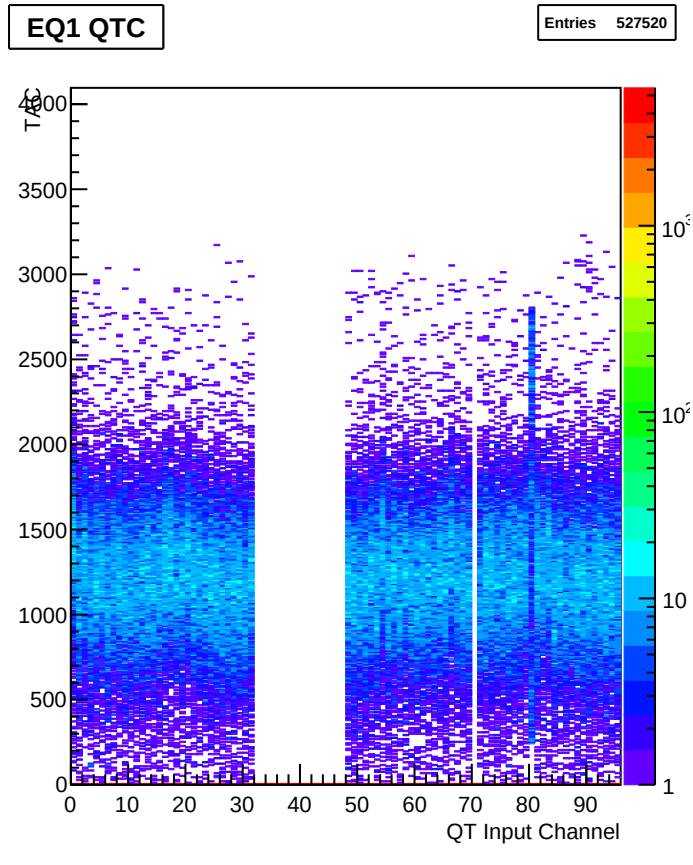

BBQ-VP002 West
Entries 87920
ADC
QT Input Channel

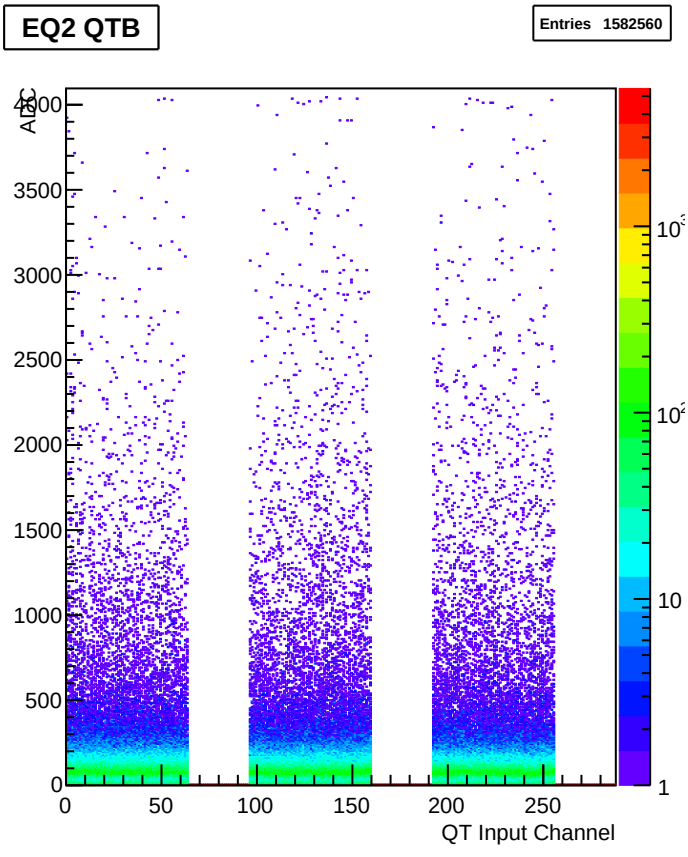

BBQ-VP002 West
Entries 87920
TADC
QT Input Channel

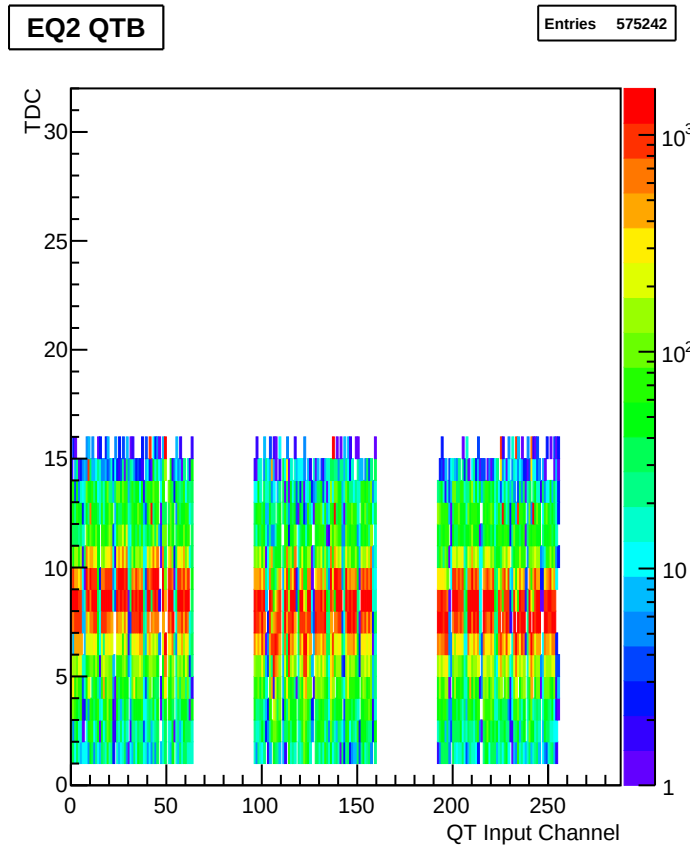

EQ1 QTB
Entries 1582560
ADC
QT Input Channel

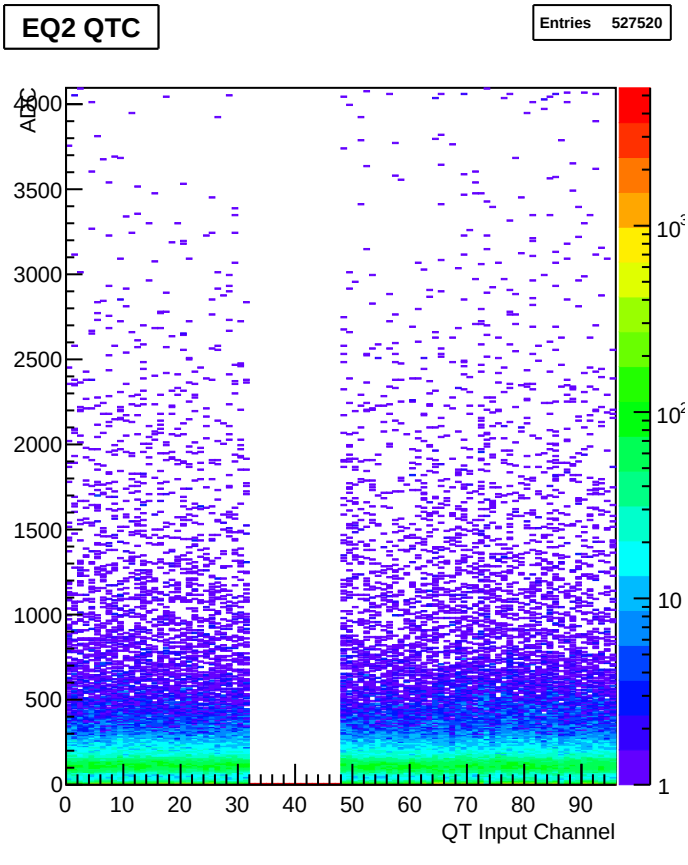

EQ1 QTB
Entries 542985
TDC
QT Input Channel

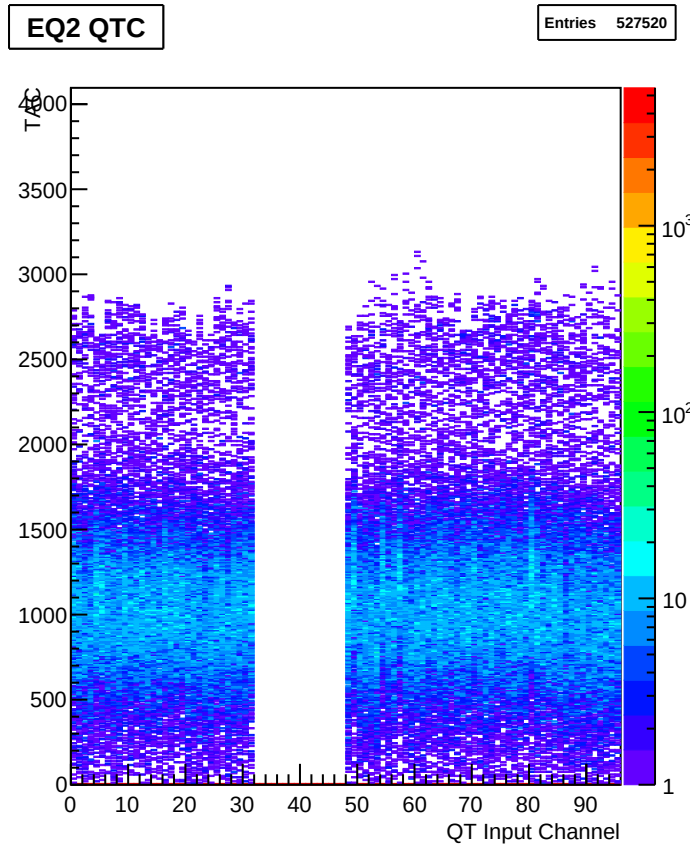

EQ1 QTC
Entries 527520
ADC
QT Input Channel

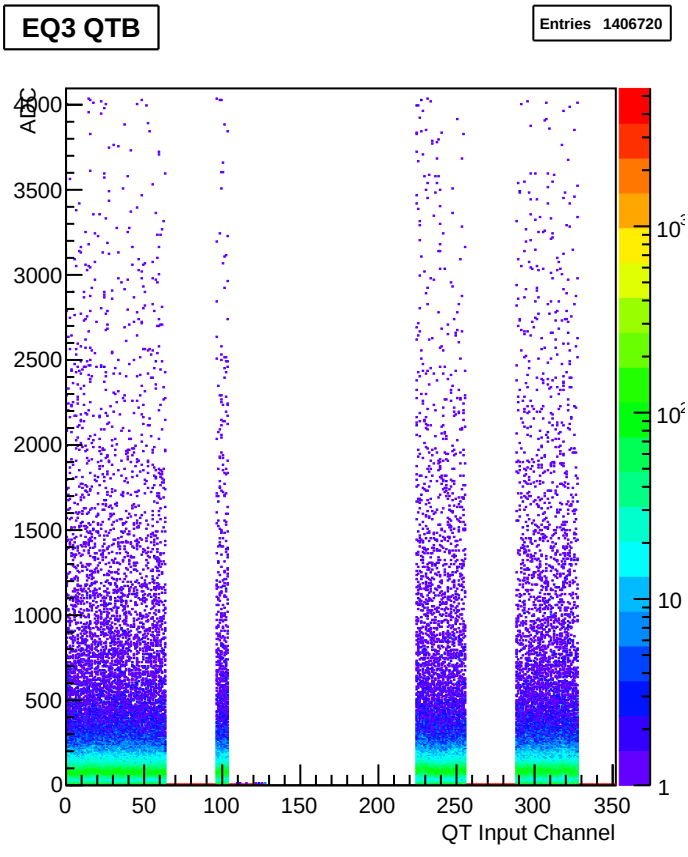

EQ1 QTC
Entries 527520
TADC
QT Input Channel

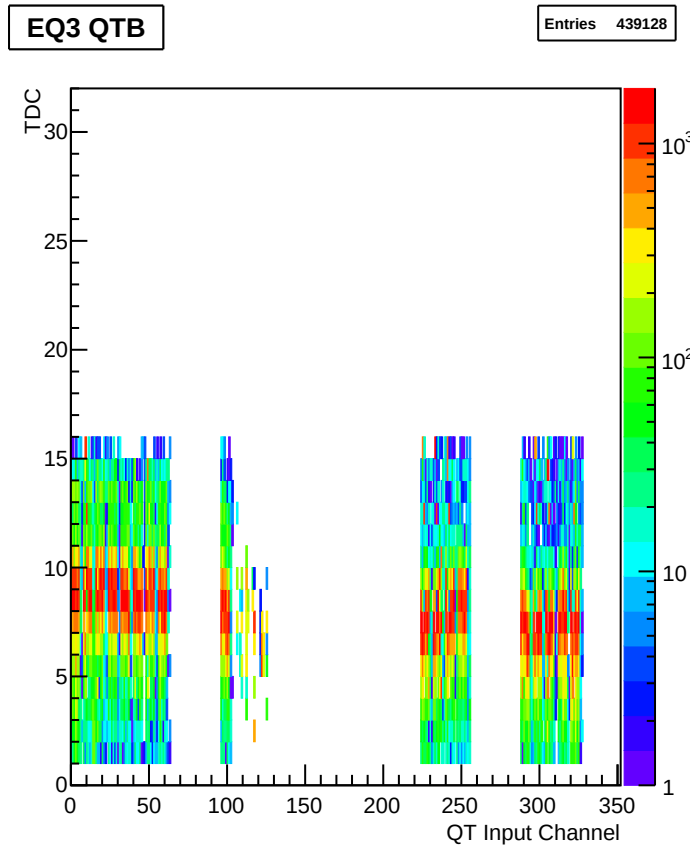

EQ2 QTB
Entries 1582560
ADC
QT Input Channel

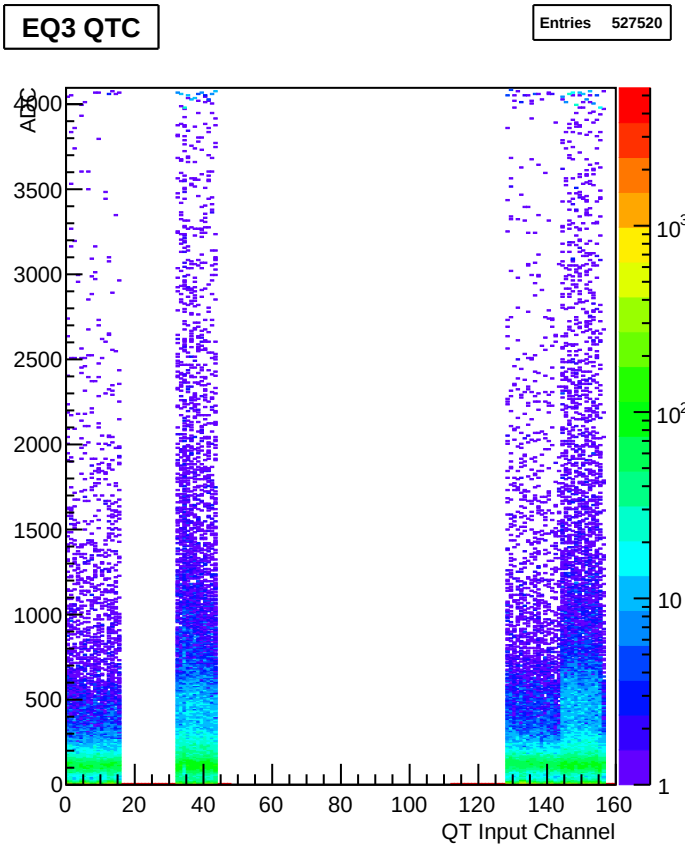

EQ2 QTB
Entries 575242
TDC
QT Input Channel

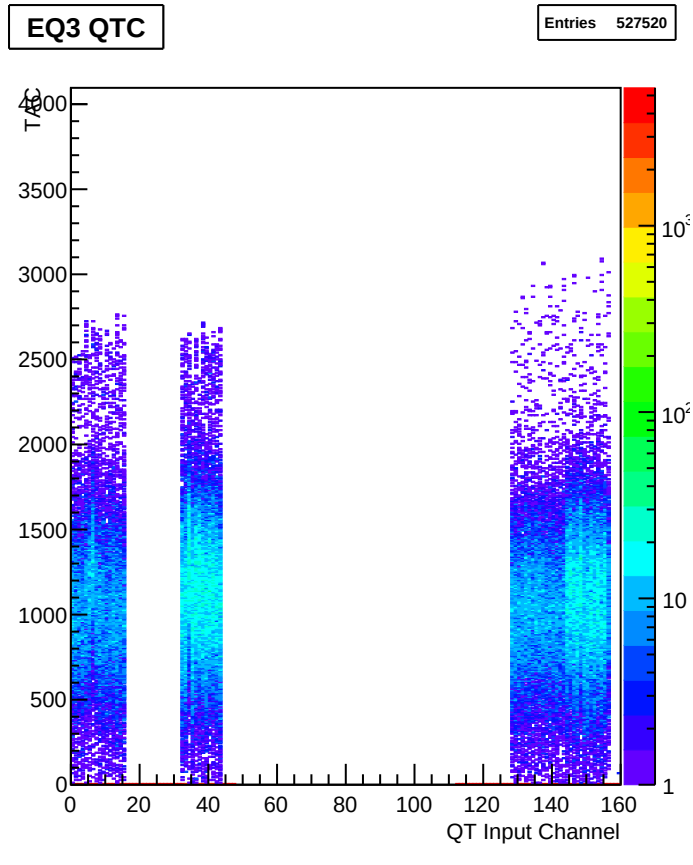

EQ2 QTC
Entries 527520
ADC
QT Input Channel

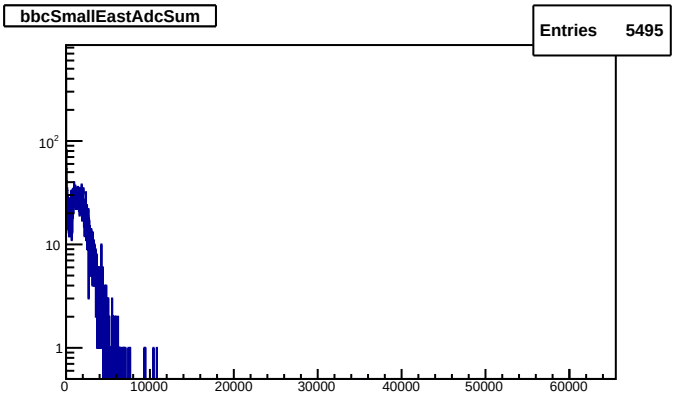

EQ2 QTC
Entries 527520
TADC
QT Input Channel

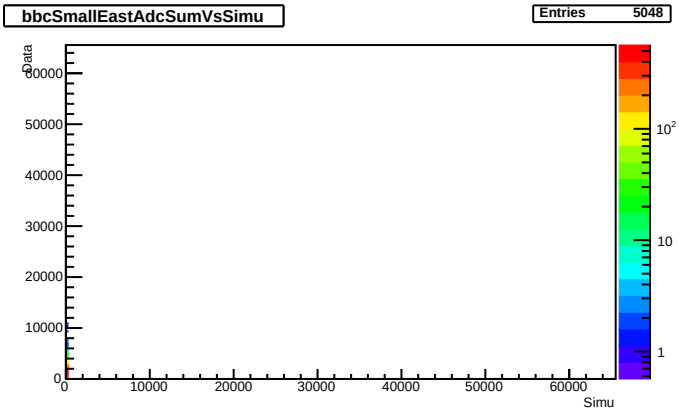

EQ3 QTB
Entries 1406720
ADC
QT Input Channel

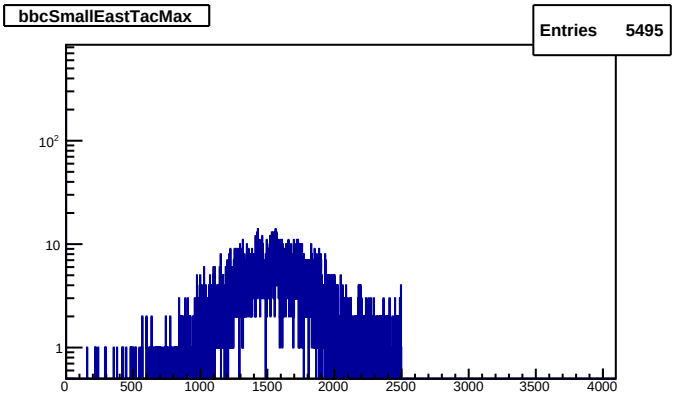

EQ3 QTB
Entries 439128
TDC
QT Input Channel

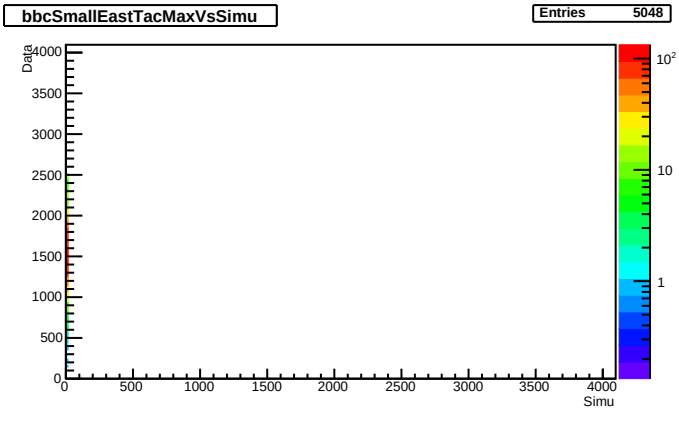

EQ3 QTC
Entries 527520
ADC
QT Input Channel

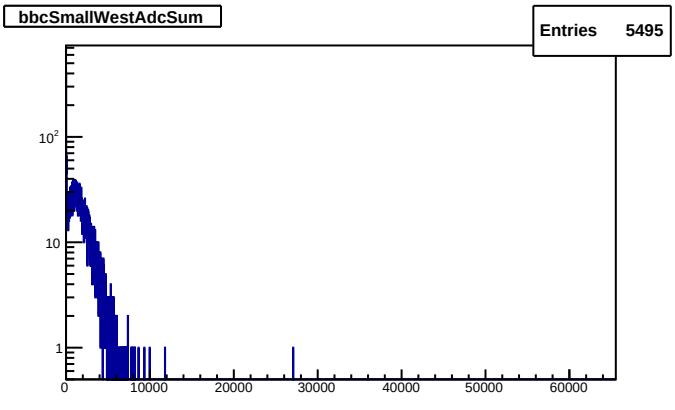

EQ3 QTC
Entries 527520
TADC
QT Input Channel

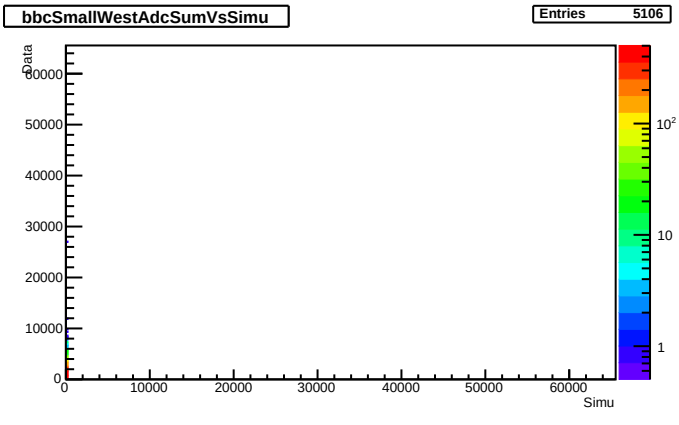

bbcSmallEastAdcSum
Entries 5495

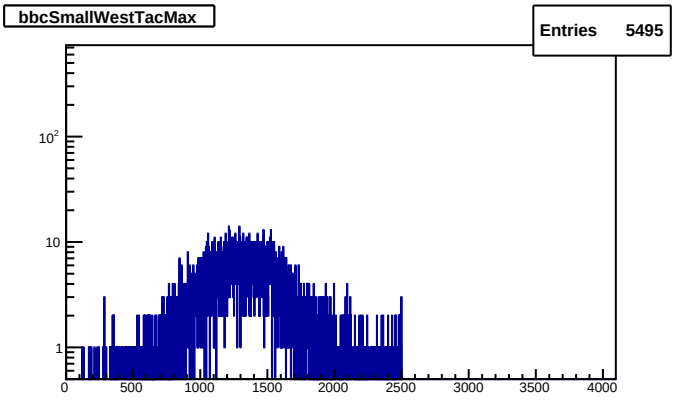

bbcSmallEastAdcSumVsSimu
Entries 5048
Data
Simu

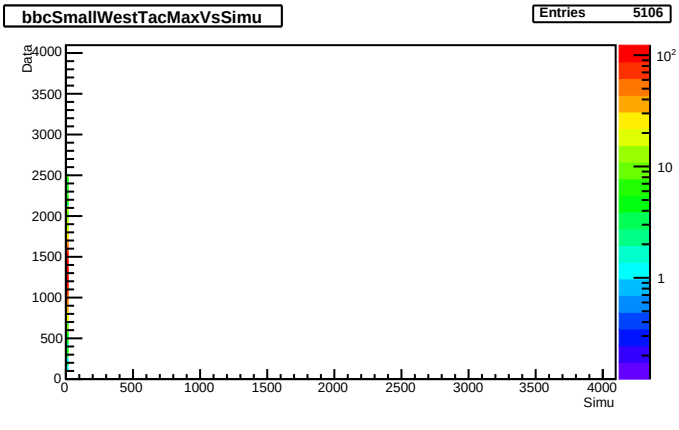

bbcSmallEastTacMax
Entries 5495

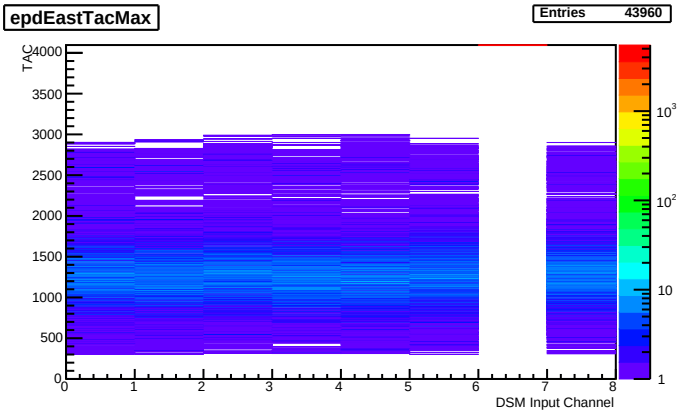

bbcSmallEastTacMaxVsSimu
Entries 5048
Data
Simu

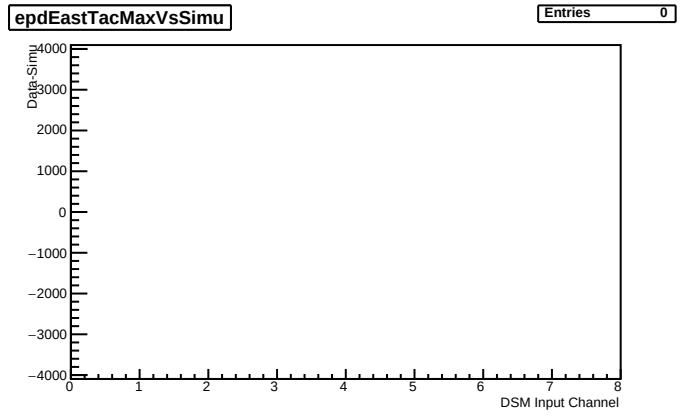

bbcSmallWestAdcSum
Entries 5495

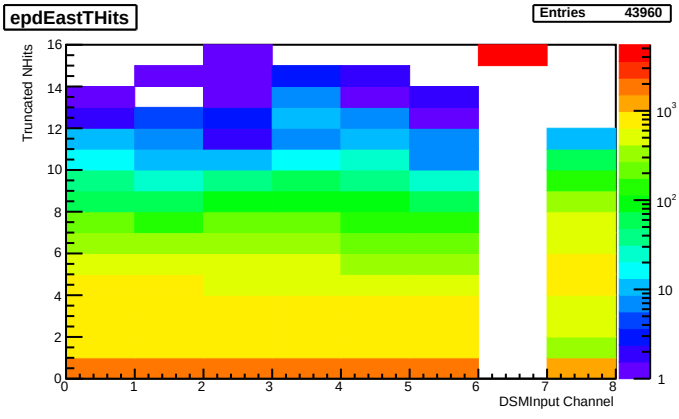

bbcSmallWestAdcSumVsSimu
Entries 5106
Data
Simu

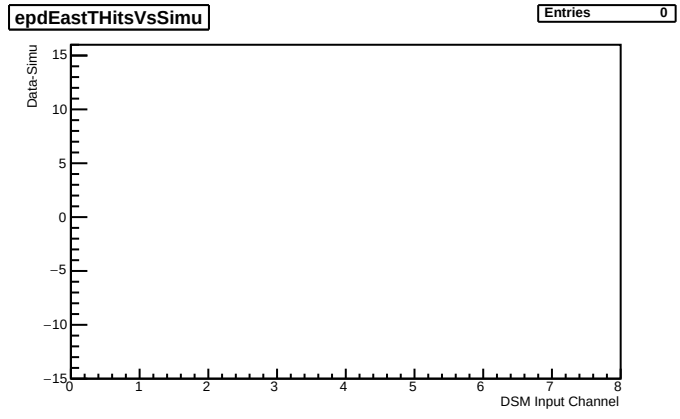

bbcSmallWestTacMax
Entries 5495

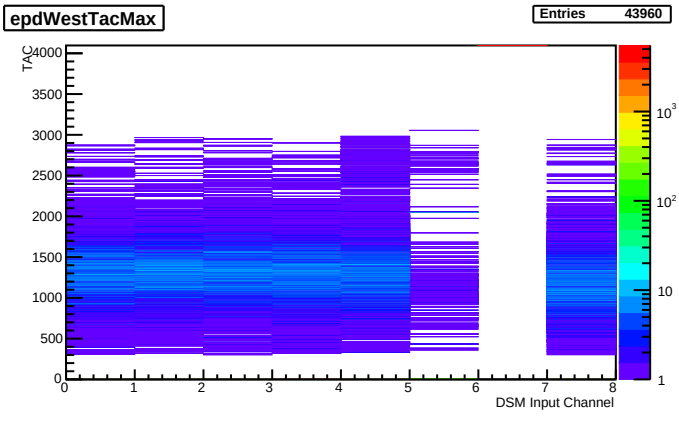

bbcSmallWestTacMaxVsSimu
Entries 5106
Data
Simu

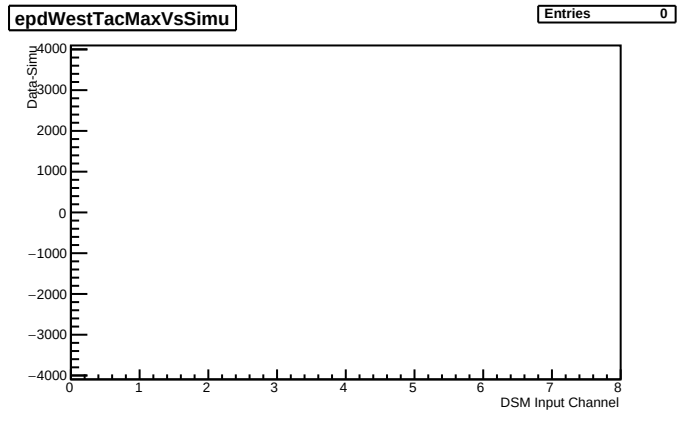

epdEastTacMax
Entries 43960
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 43960
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 43960
TAC
DSM Input Channel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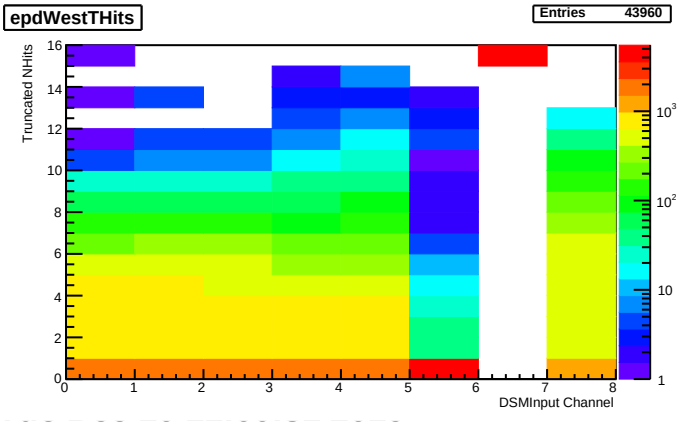
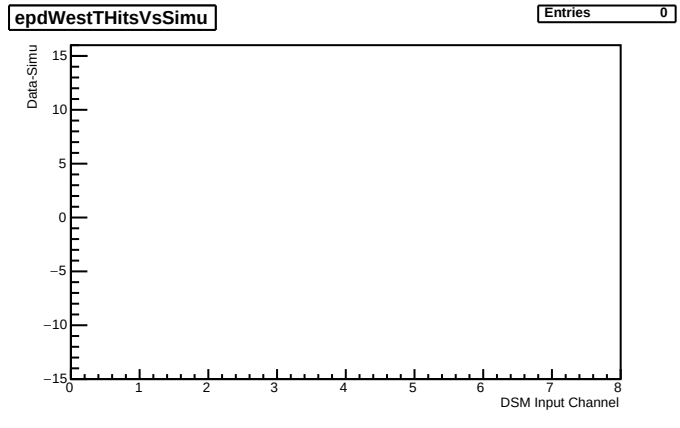
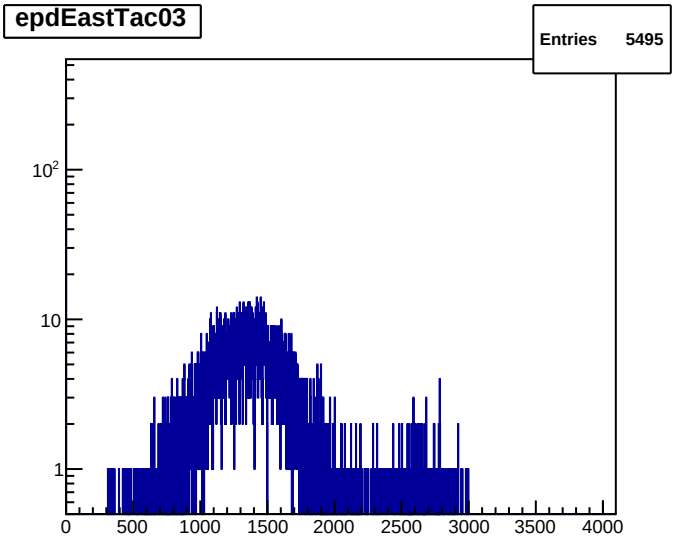
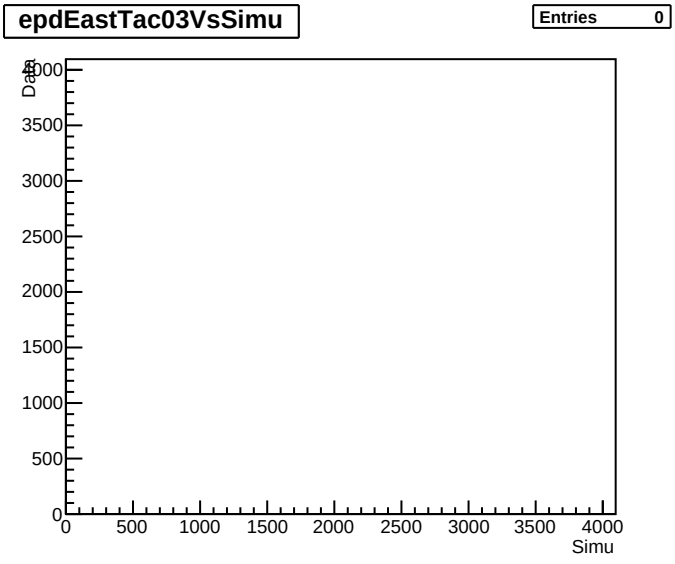
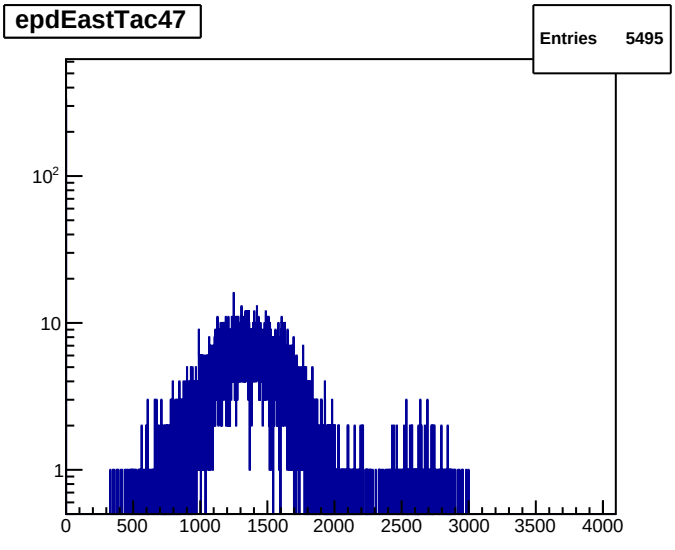
Data-Simu
DSM Input Channel

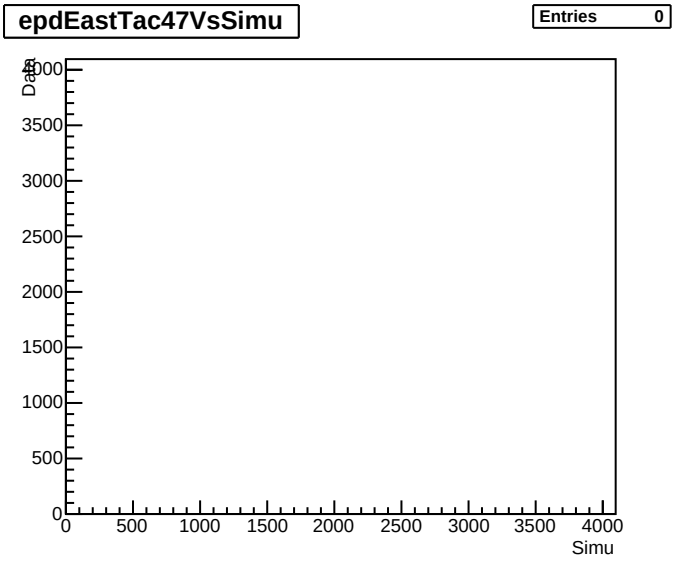

epdWestTHits
Entries 43960
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 5495
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 5495
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
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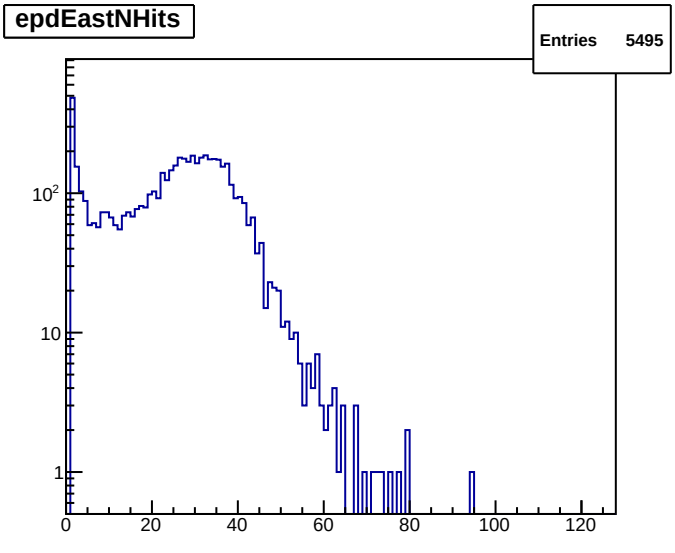
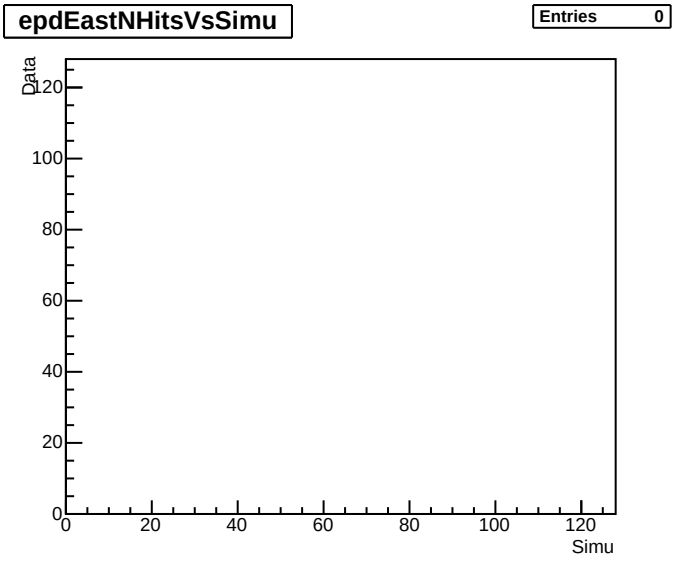
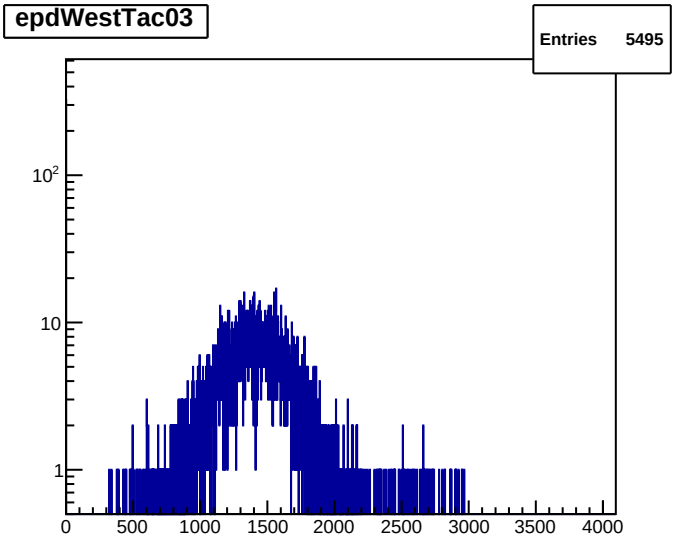
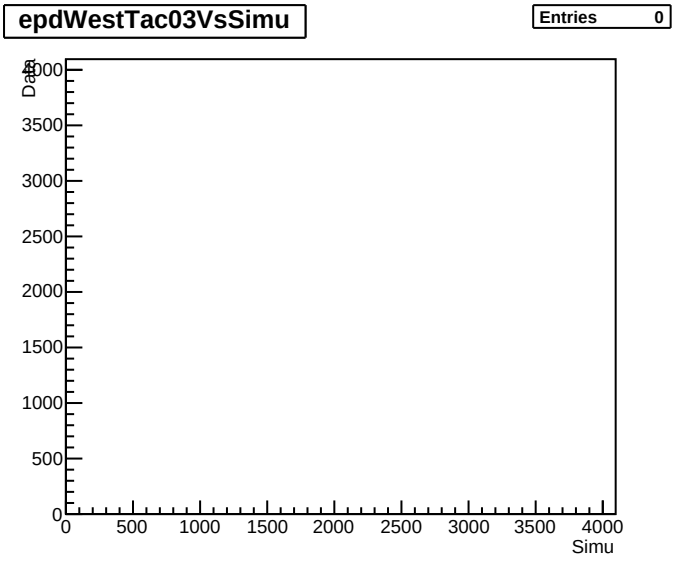
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 5495
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 5495
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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Entries 0
Data
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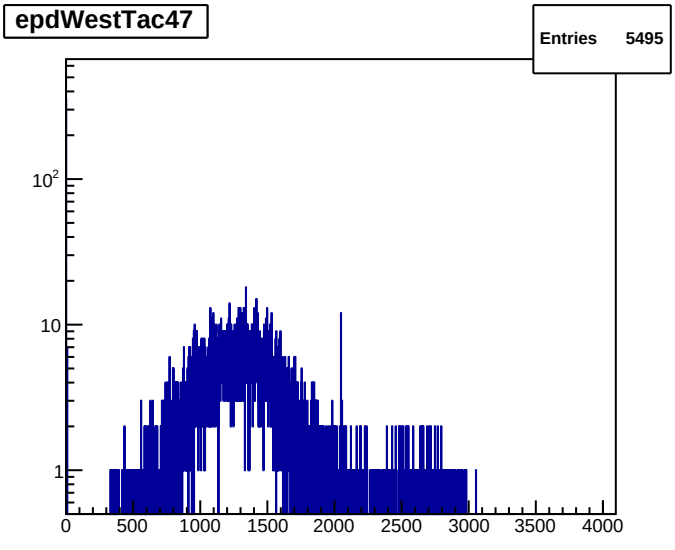
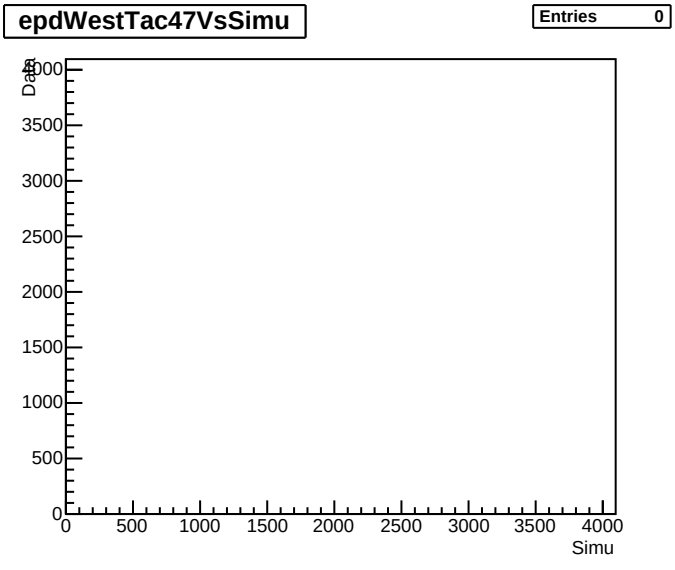
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 5495
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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Entries 0
Data
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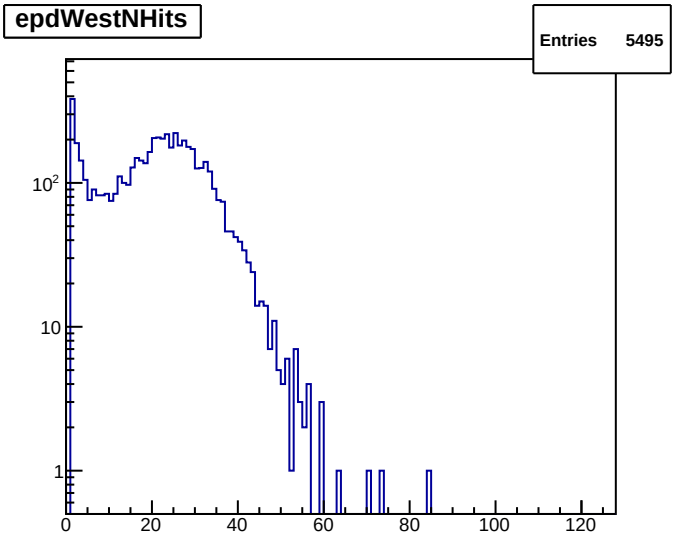
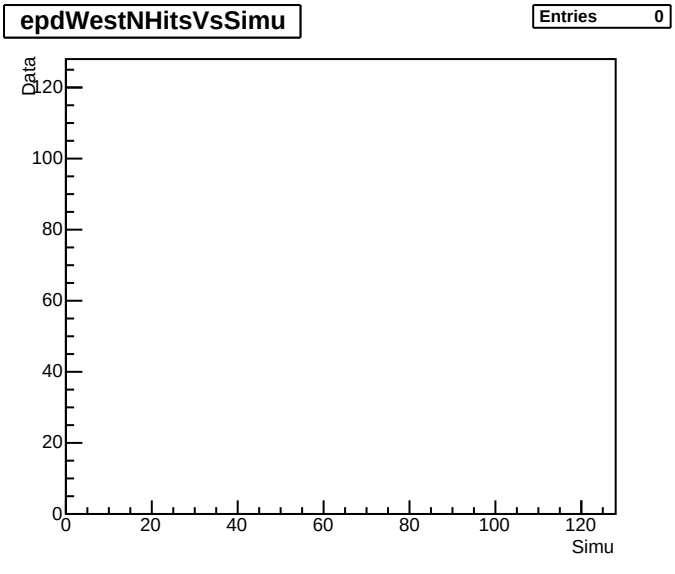
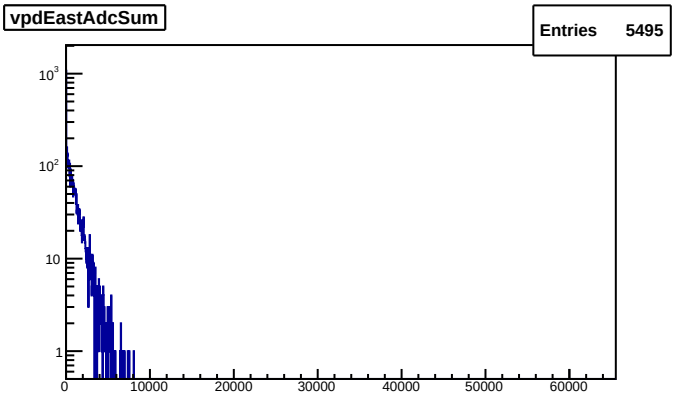
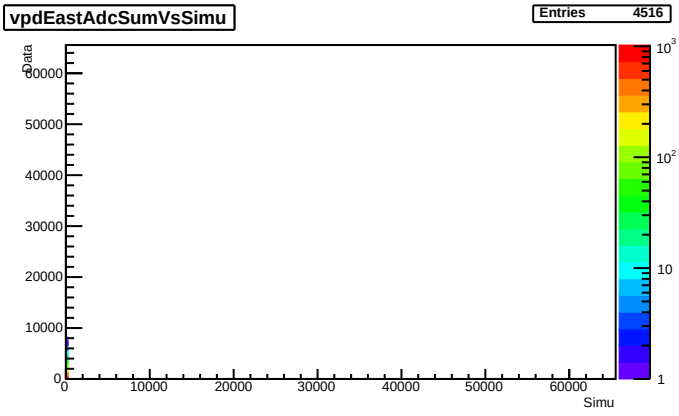
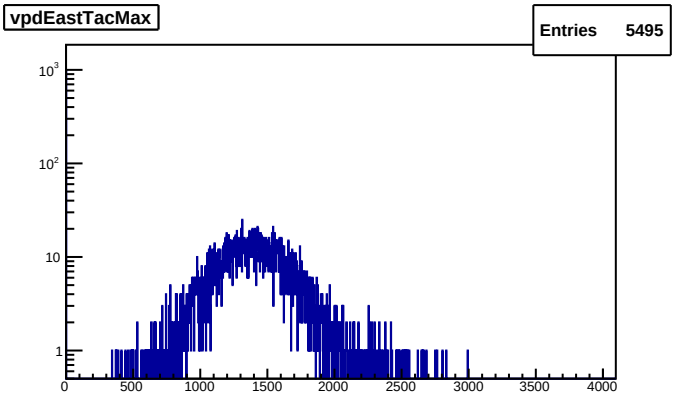
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

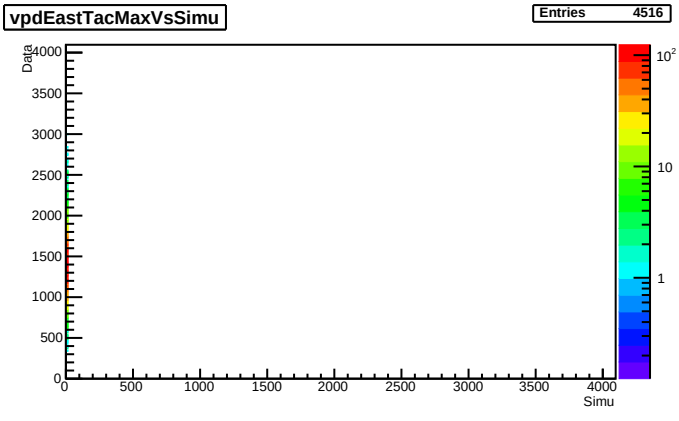

epdWestNHits
Entries 5495
10^2
10
1
0 20 40 60 80 100 120

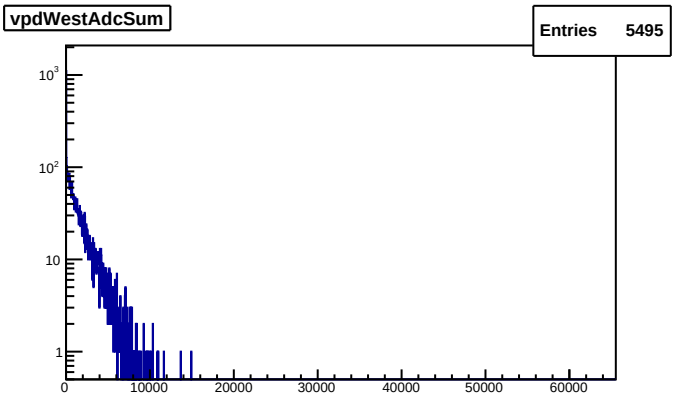

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

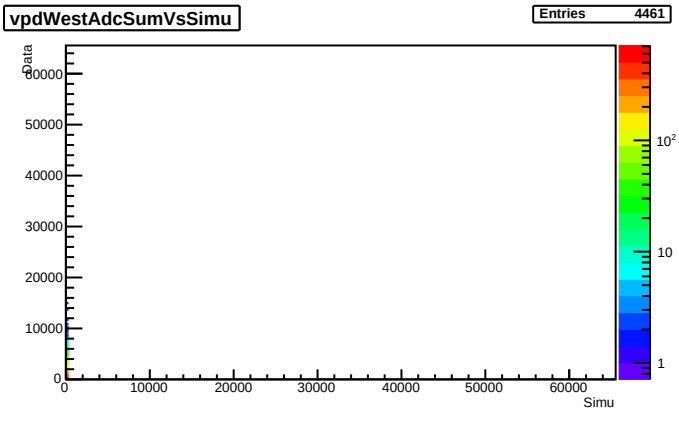

vpdEastAdcSum
Entries 5495

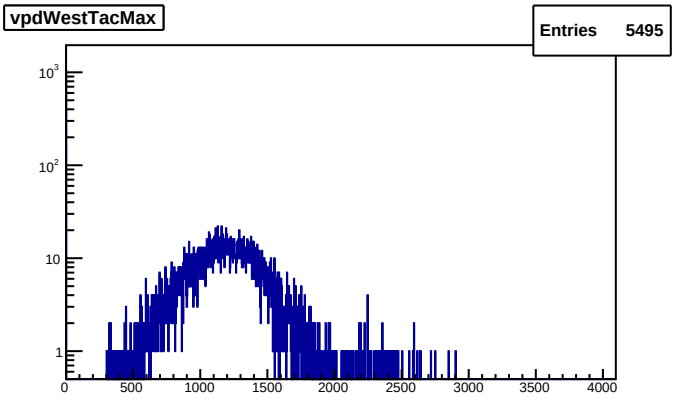

vpdEastAdcSumVsSimu
Entries 4516
Data
Simu

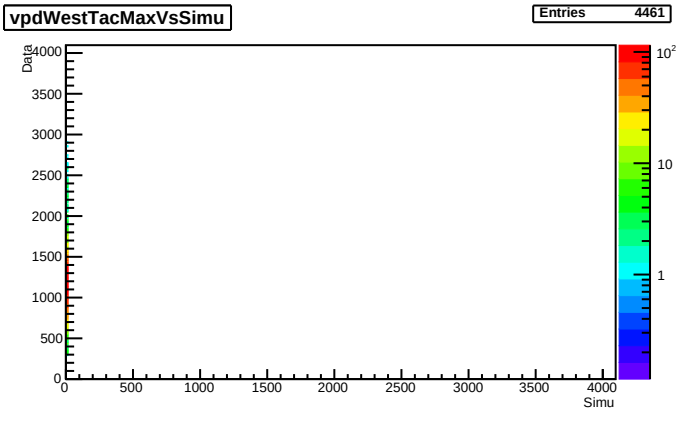

vpdEastTacMax
Entries 5495

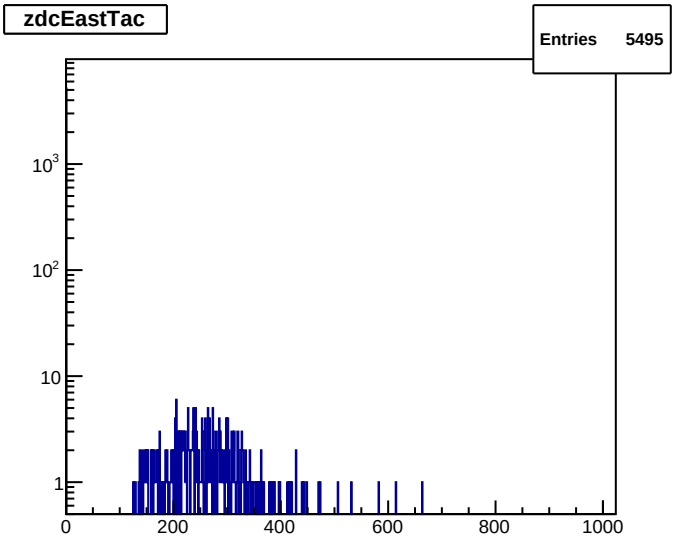

vpdEastTacMaxVsSimu
Entries 4516
Data
Simu

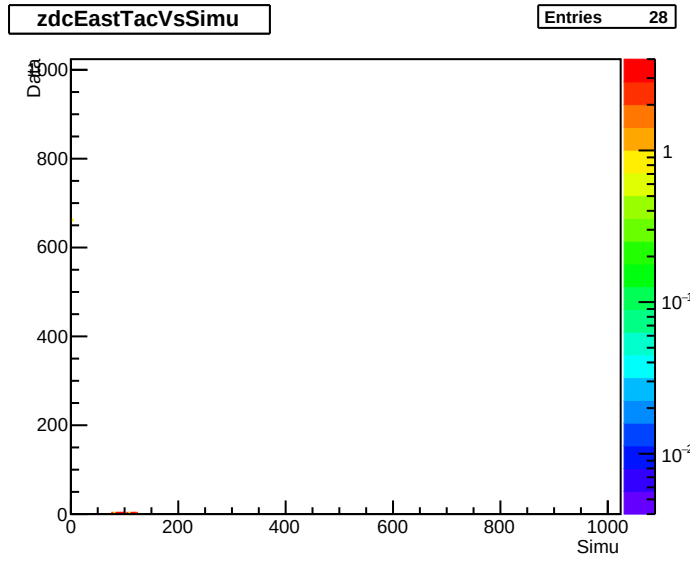

vpdWestAdcSum
Entries 5495

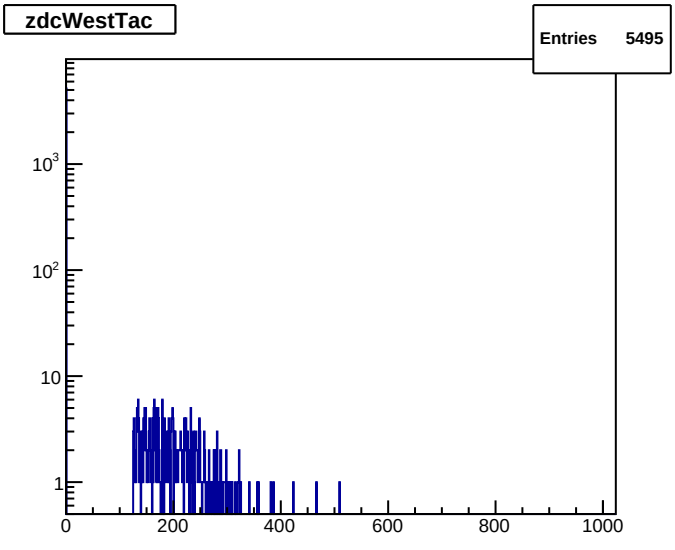

vpdWestAdcSumVsSimu
Entries 4461
Data
Simu

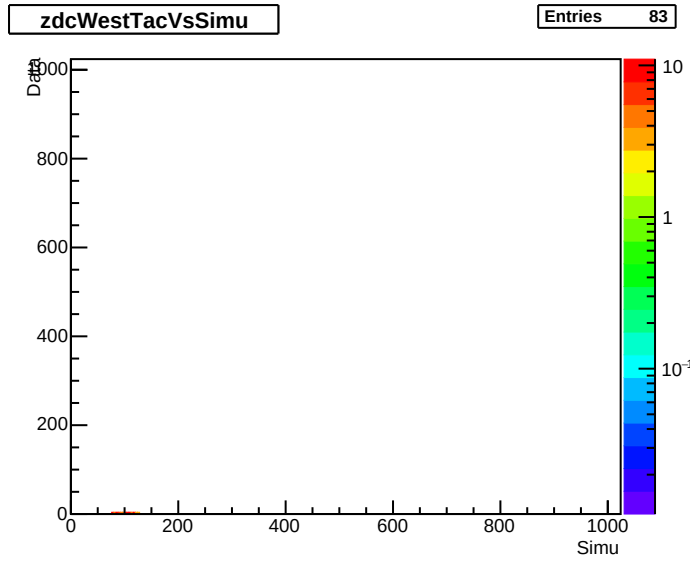

vpdWestTacMax
Entries 5495

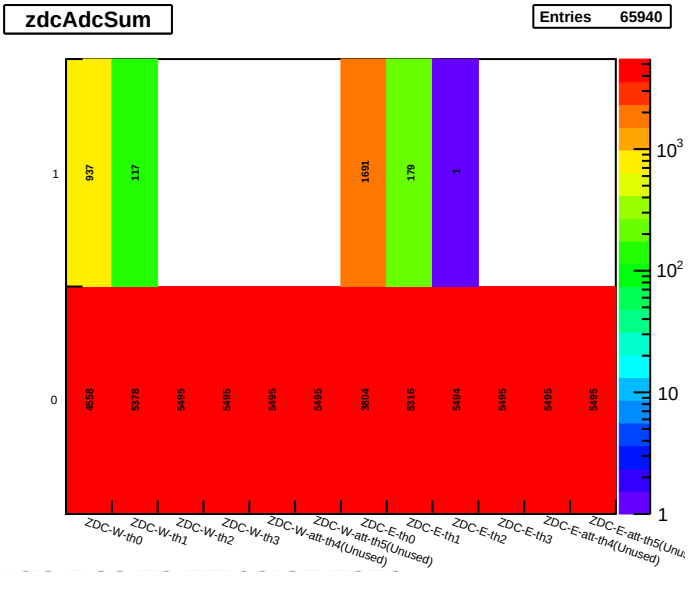

vpdWestTacMaxVsSimu
Entries 4461
Data
Simu

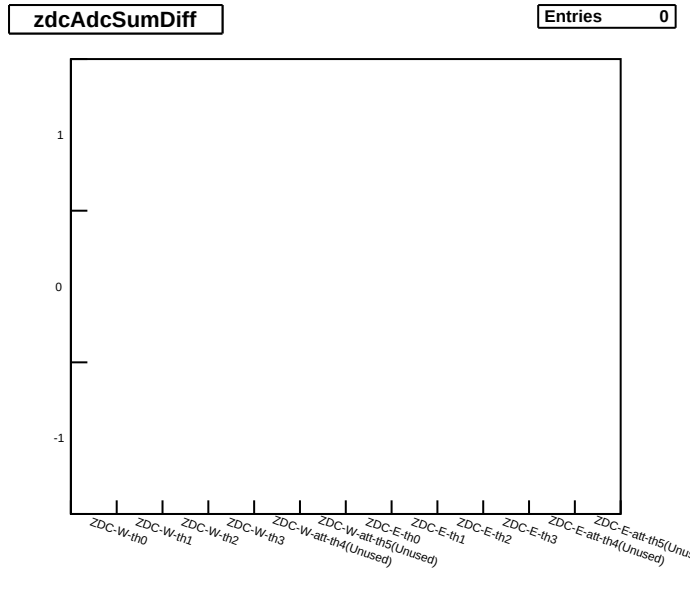

zdcEastTac
Entries 5495
10^3
10^2
10
1
0
200
400
600
800
1000

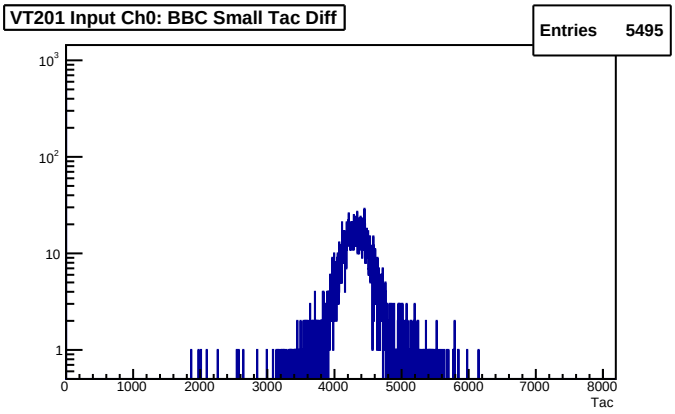

zdcEastTacVsSimu
Entries 28
Data
1000
800
600
400
200
0
Simu
1
10^{-1}

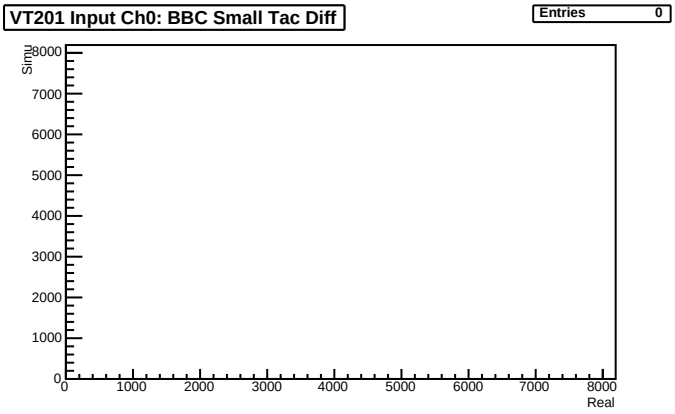

zdcWestTac
Entries 5495
10^3
10^2
10
1
0
200
400
600
800
1000

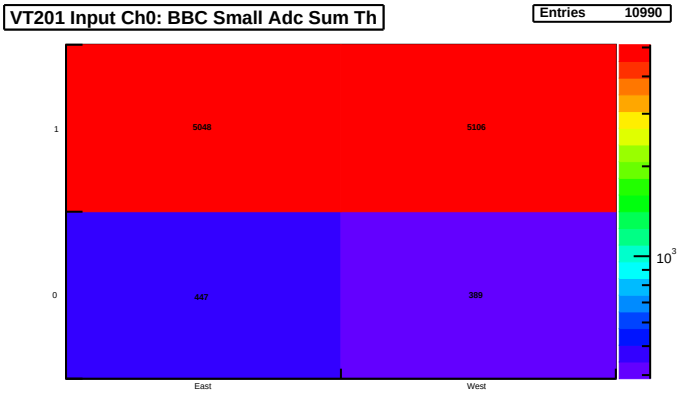

zdcWestTacVsSimu
Entries 83
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

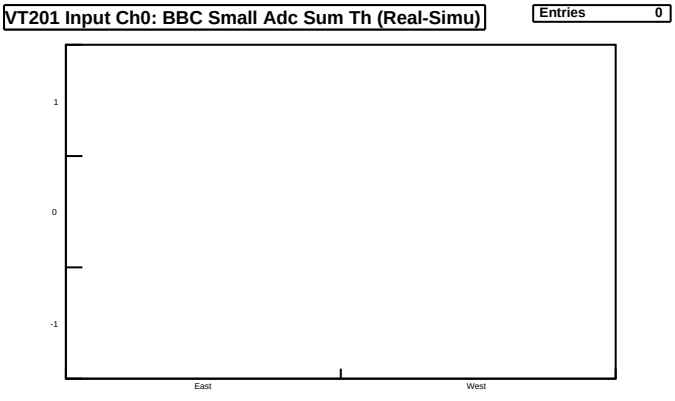

zdcAdcSum
Entries 65940
1
0
937
117
1601
179
1
4558
5378
5495
5495
5495
5495
3804
5316
5494
5495
5495
5495
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

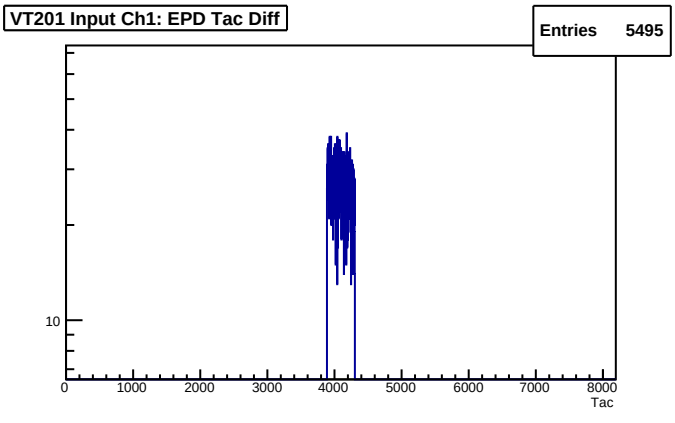

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

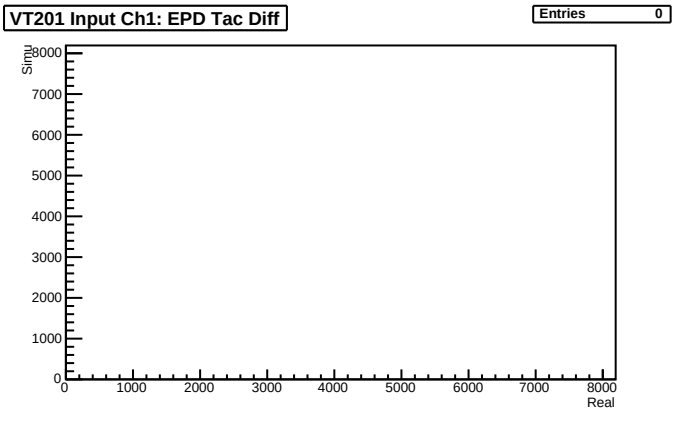

VT201 Input Ch0: BBC Small Tac Diff
Entries 5495
Tac

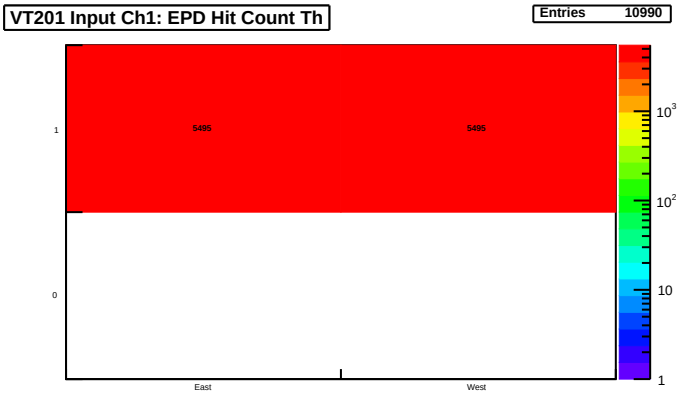

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

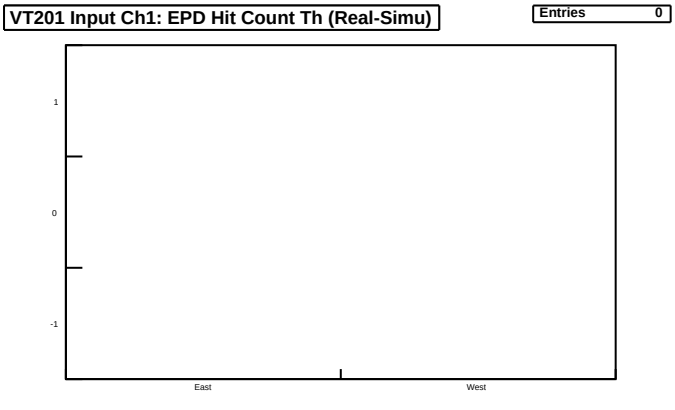

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 10990
5048
5106
447
389
East
West

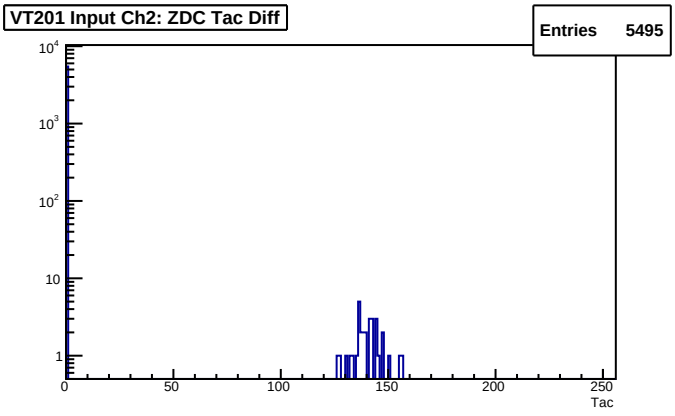

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

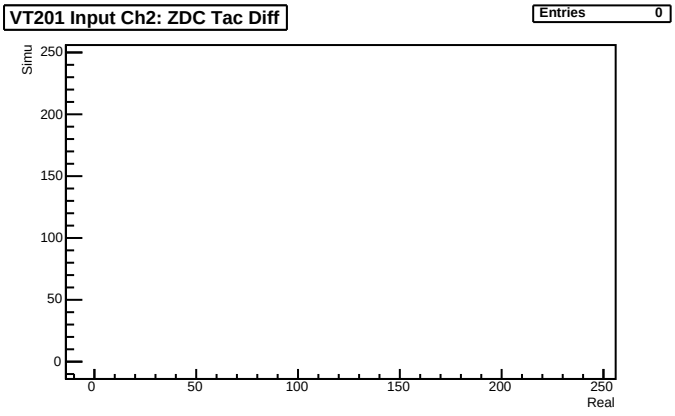

VT201 Input Ch1: EPD Tac Diff
Entries 5495
Tac

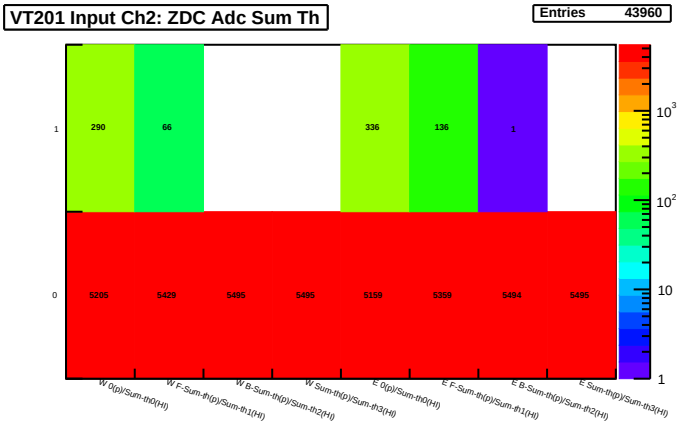

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

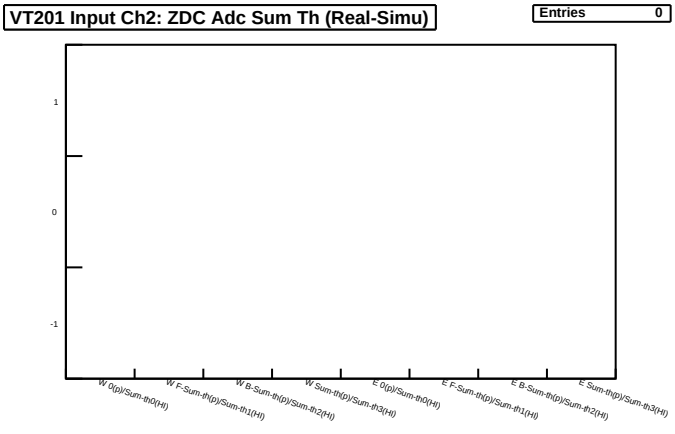

VT201 Input Ch1: EPD Hit Count Th
Entries 10990
5495
5495
East
West

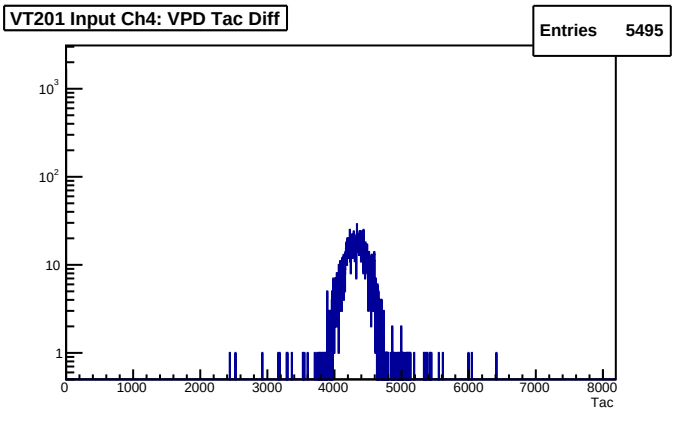

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

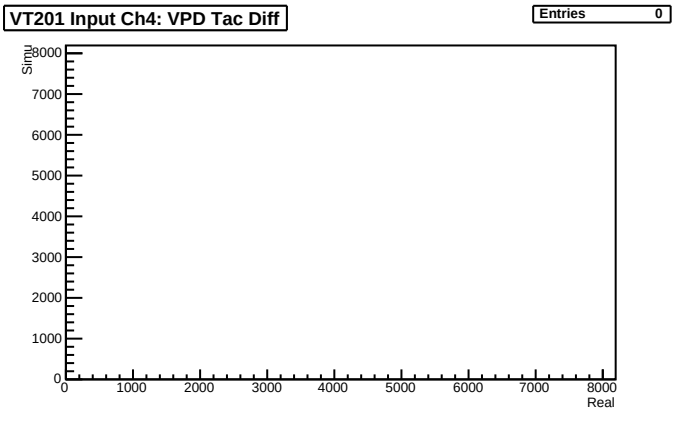

VT201 Input Ch2: ZDC Tac Diff
Entries 5495
Tac

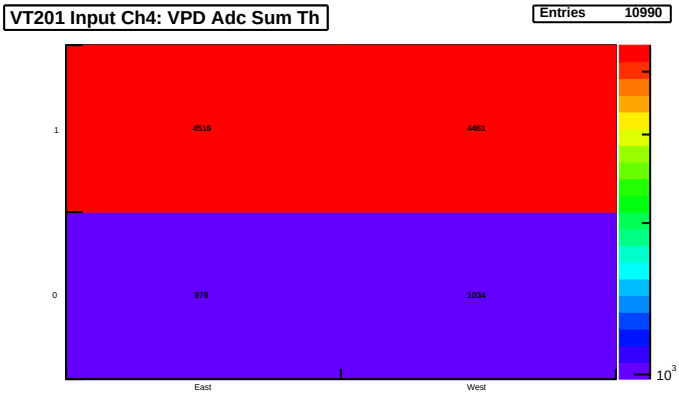

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

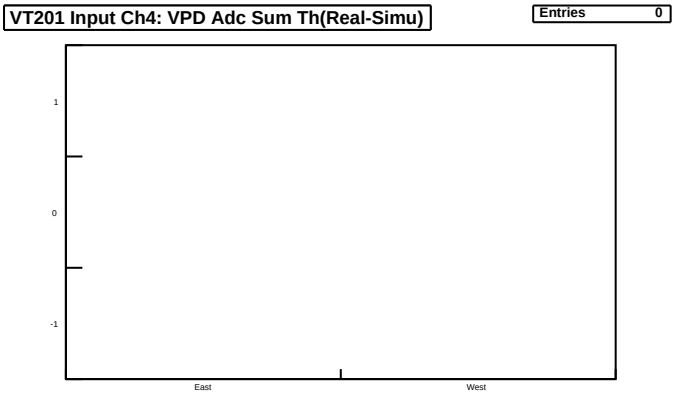

VT201 Input Ch2: ZDC Adc Sum Th
Entries 43960
290
66
336
136
1
5205
5429
5495
5495
5159
5359
5494
5495
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

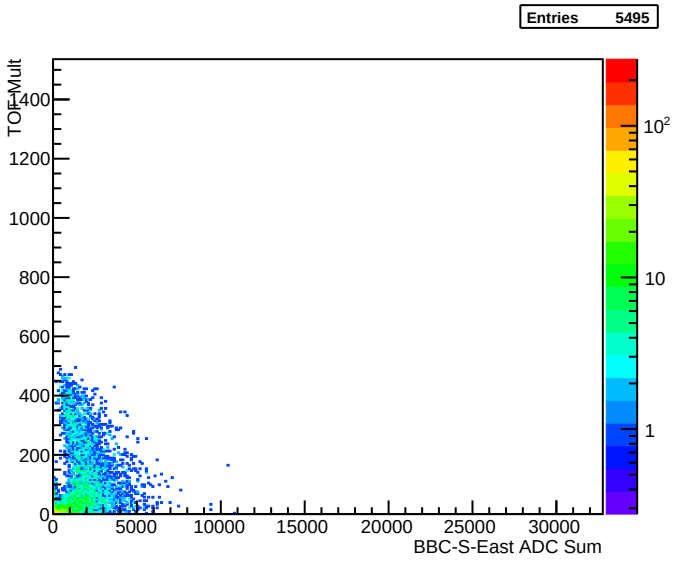

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

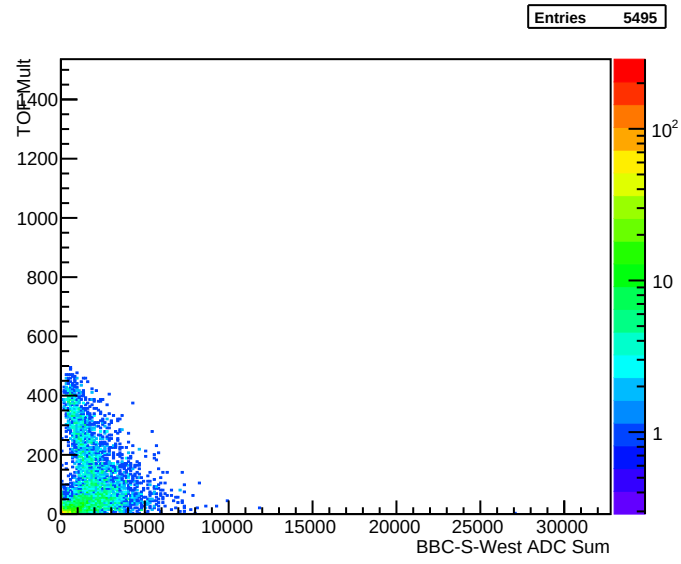

VT201 Input Ch4: VPD Tac Diff
Entries 5495
Tac

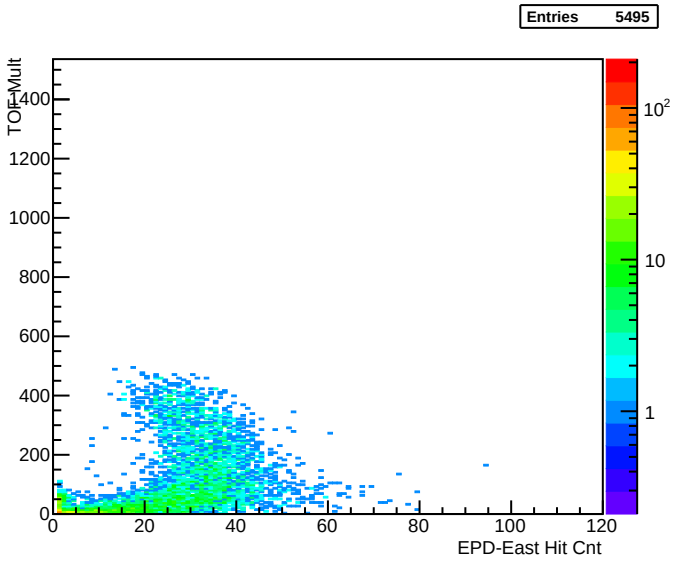

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

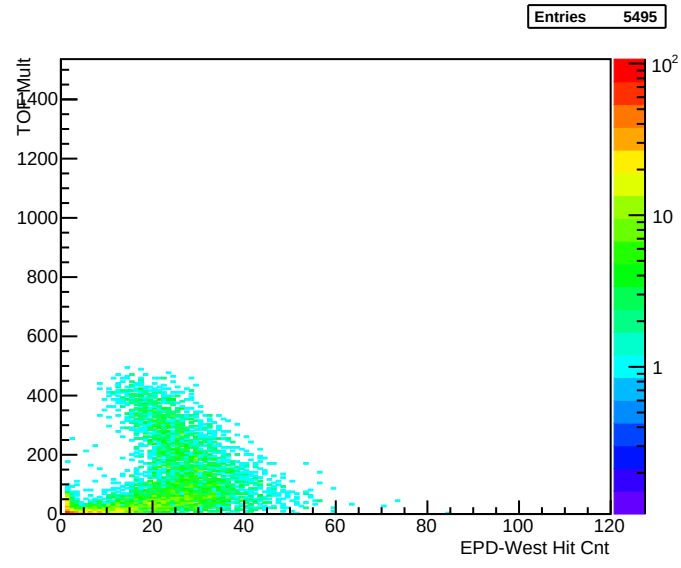

VT201 Input Ch4: VPD Adc Sum Th
Entries 10990
4516
4461
979
1034
East
West

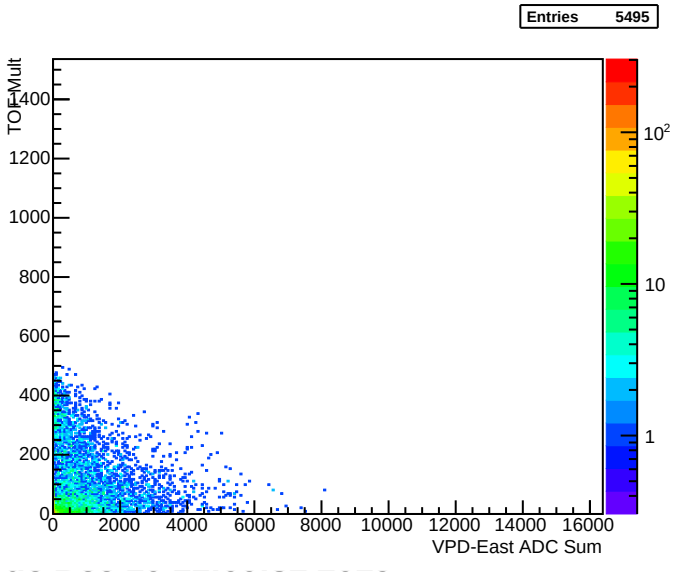

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

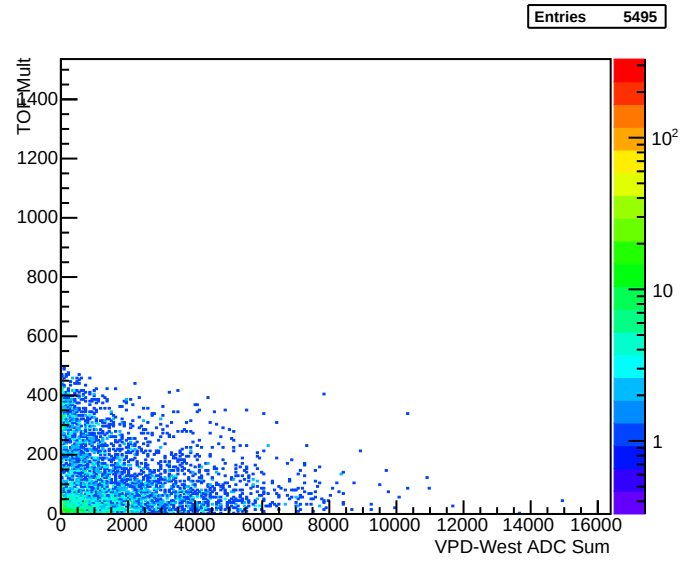

Entries 5495
TOF-Mult
BBC-S-East ADC Sum

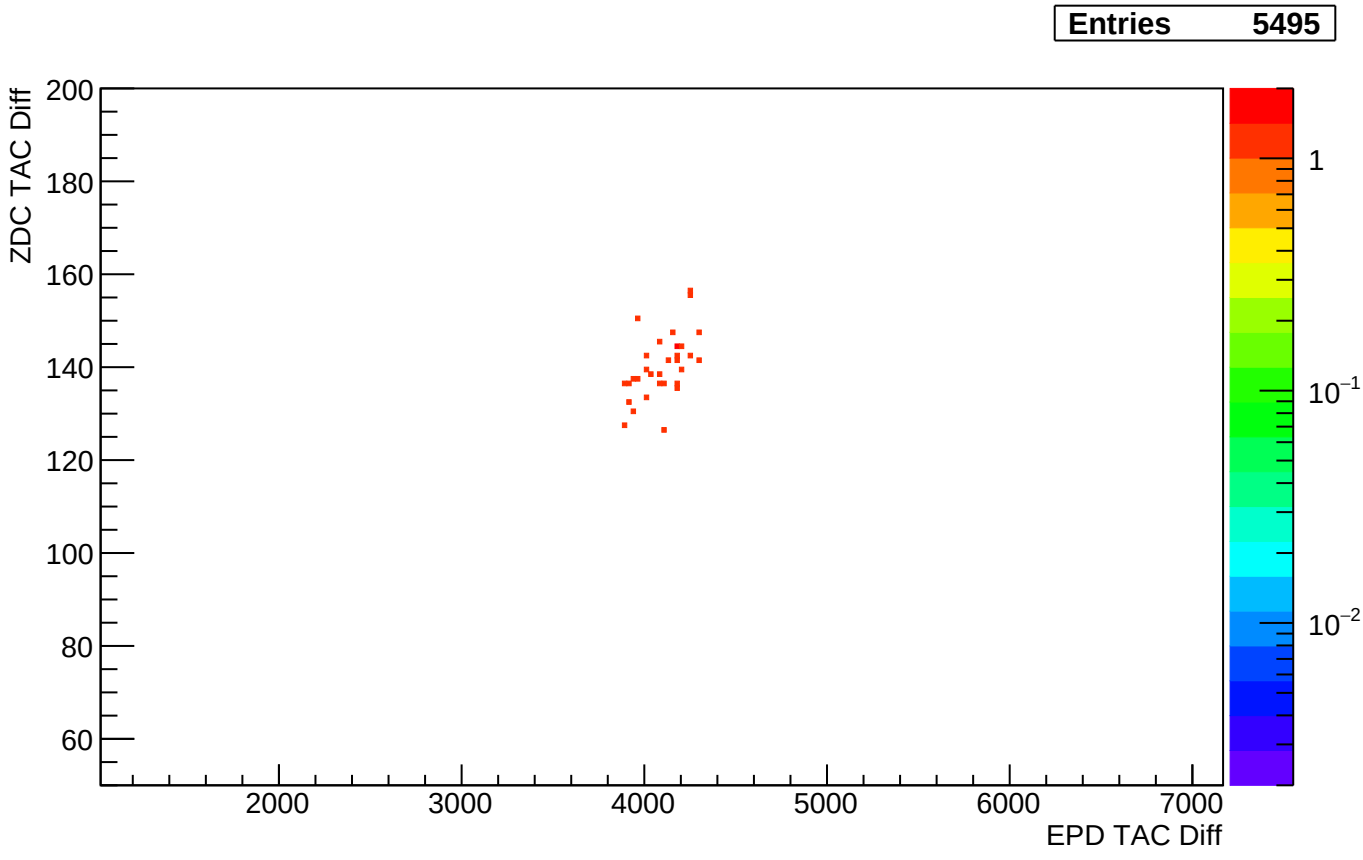

Entries 5495
TOF-Mult
BBC-S-West ADC Sum

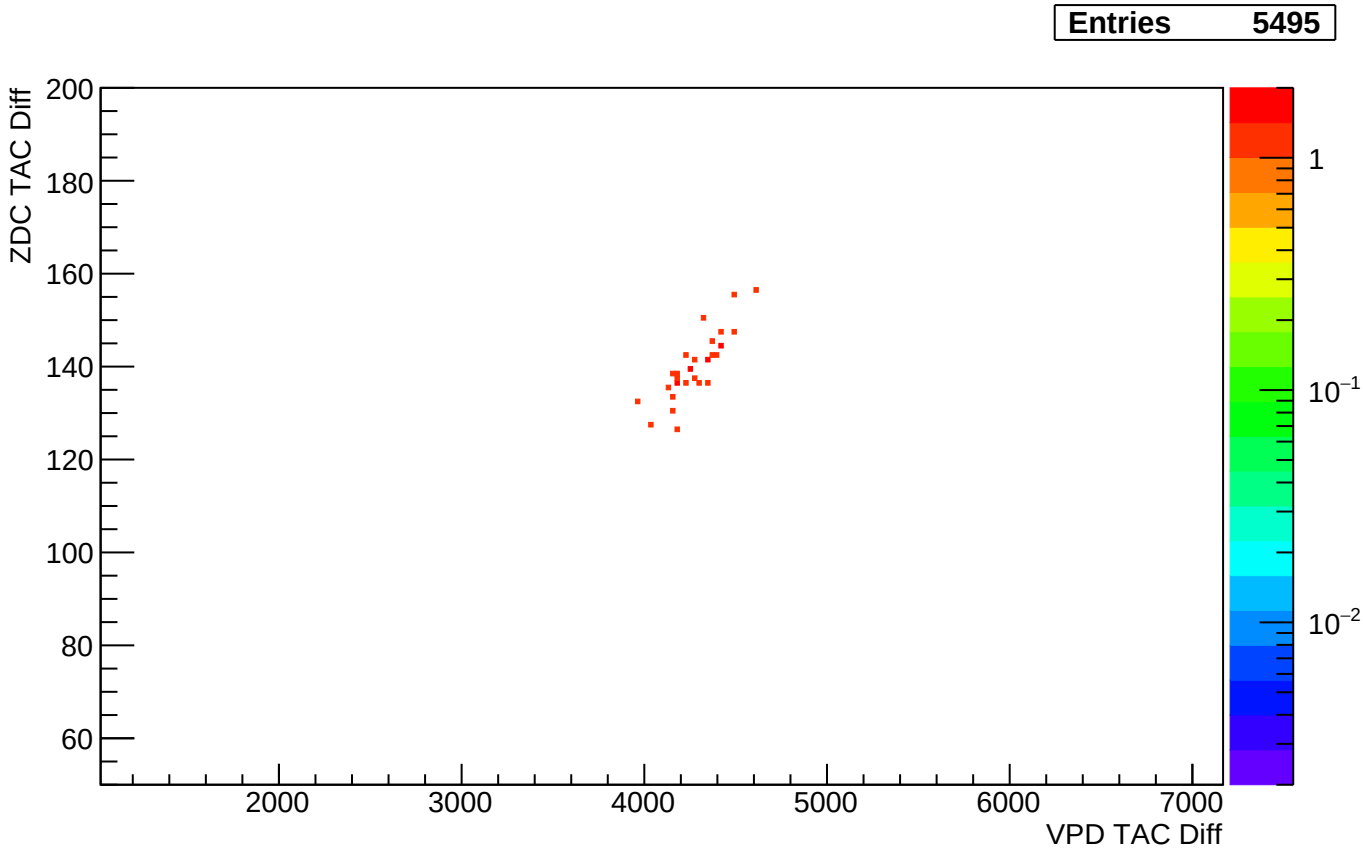

Entries 5495
TOF-Mult
EPD-East Hit Cnt

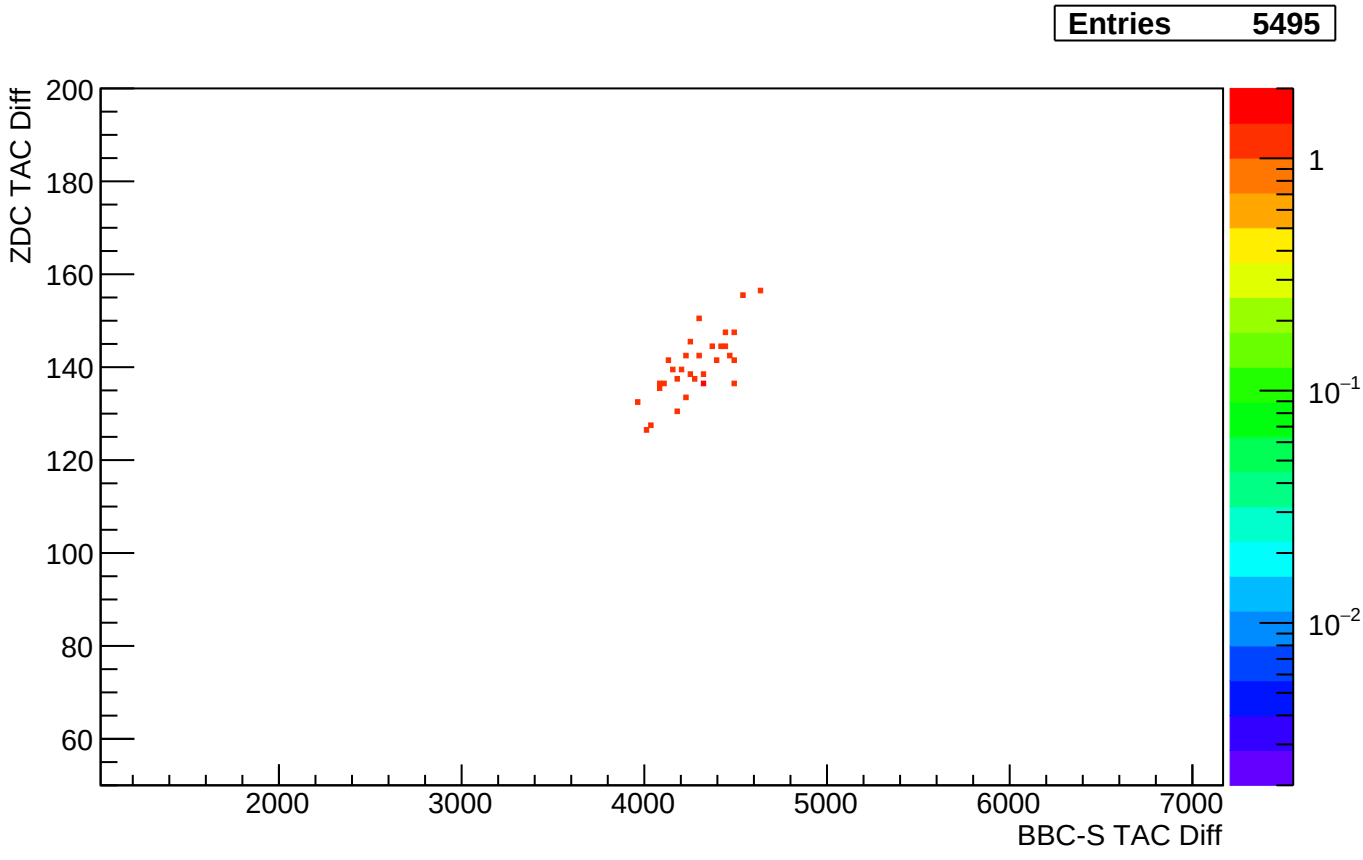

Entries 5495
TOF-Mult
EPD-West Hit Cnt

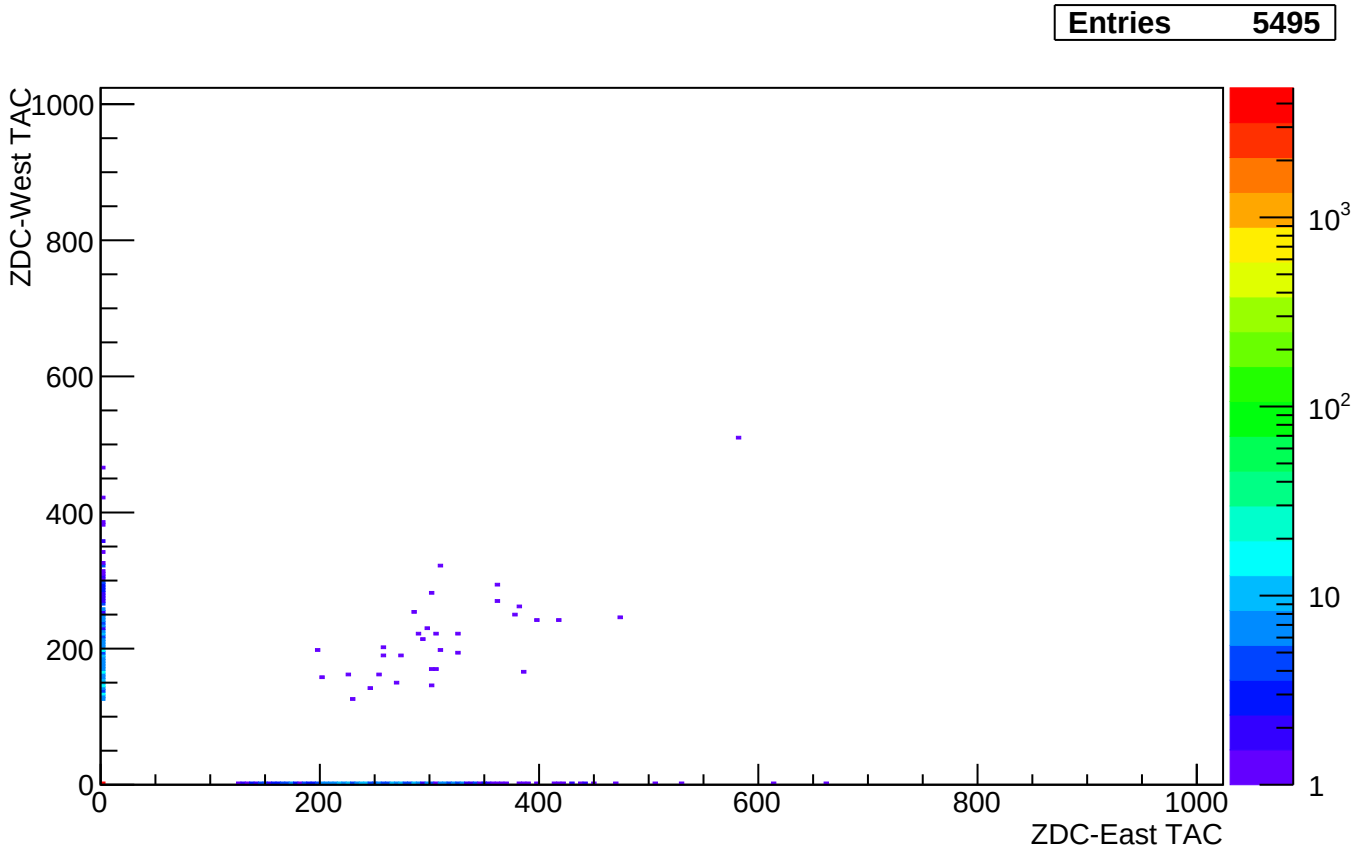

Entries 5495
TOF-Mult
VPD-East ADC Sum

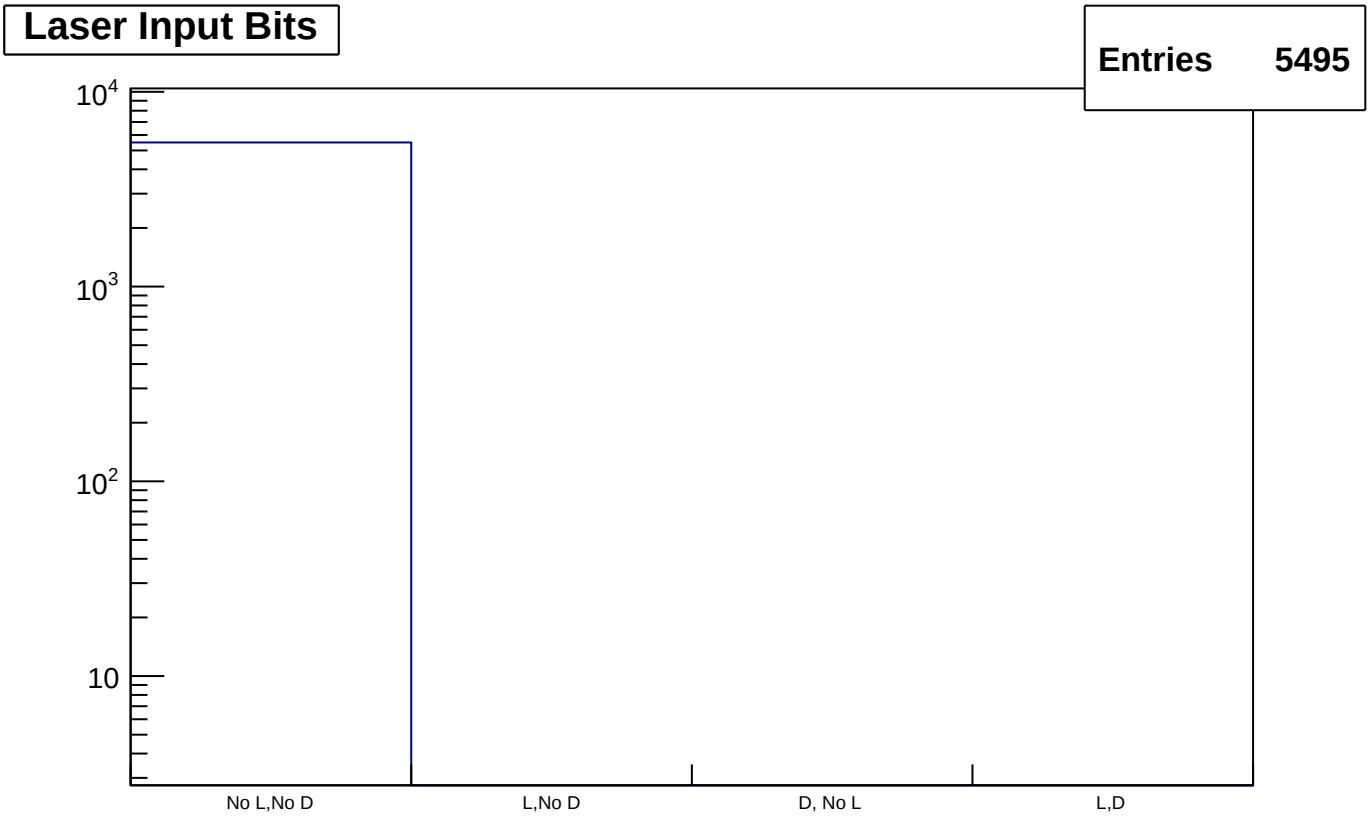

Entries 5495
TOF-Mult
VPD-West ADC Sum

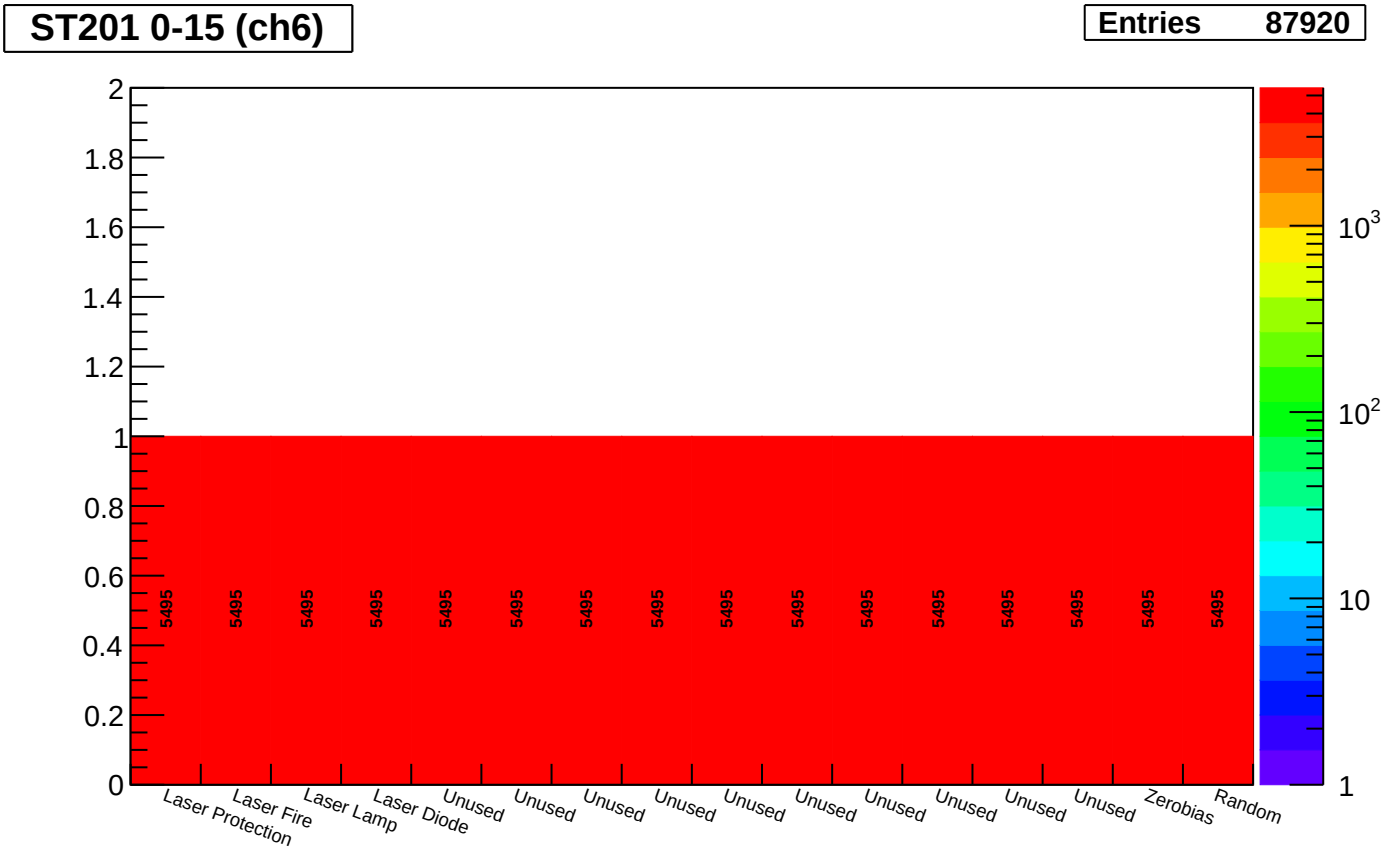

Entries 5495
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

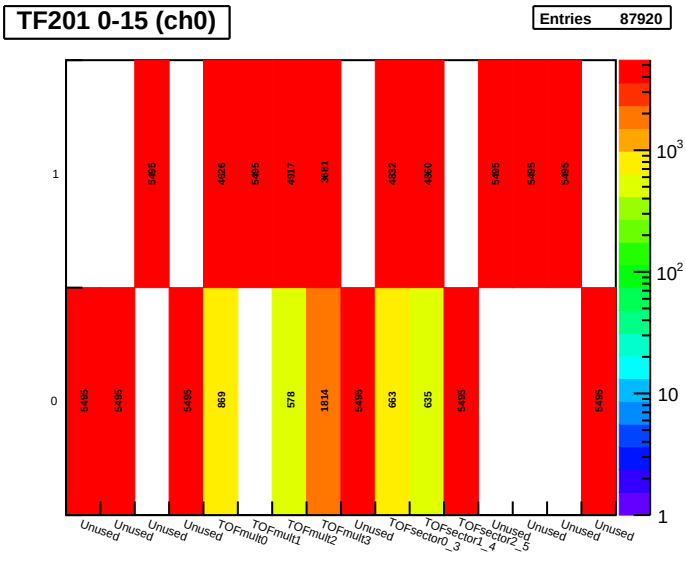

Entries 5495
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

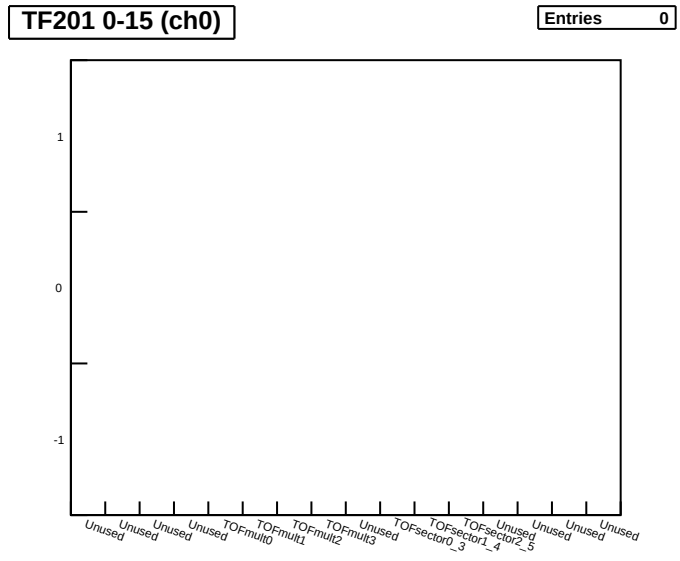

Entries 5495
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

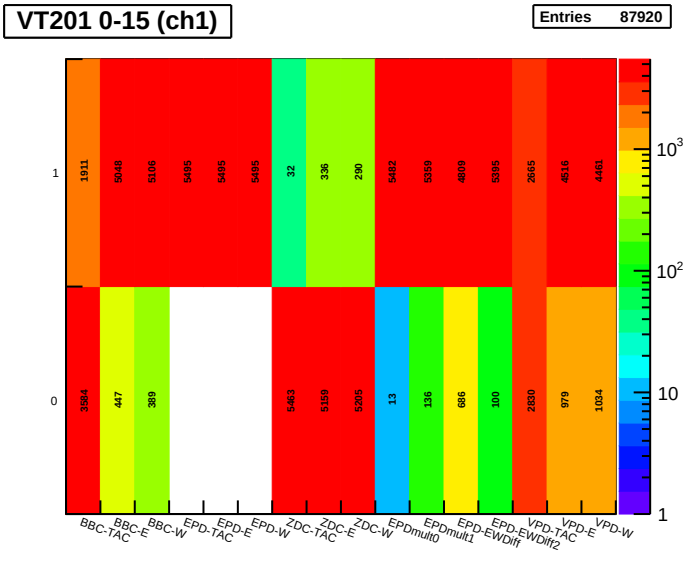

Entries 5495
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^3
10^2
10
1

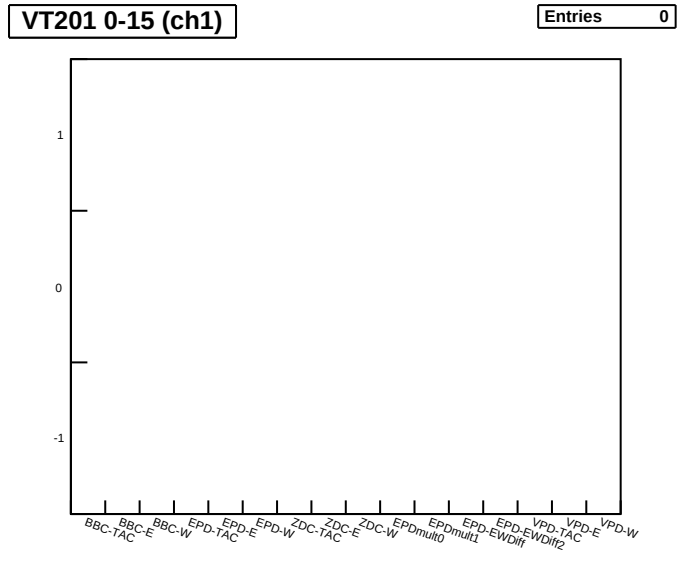

Laser Input Bits
Entries 5495
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

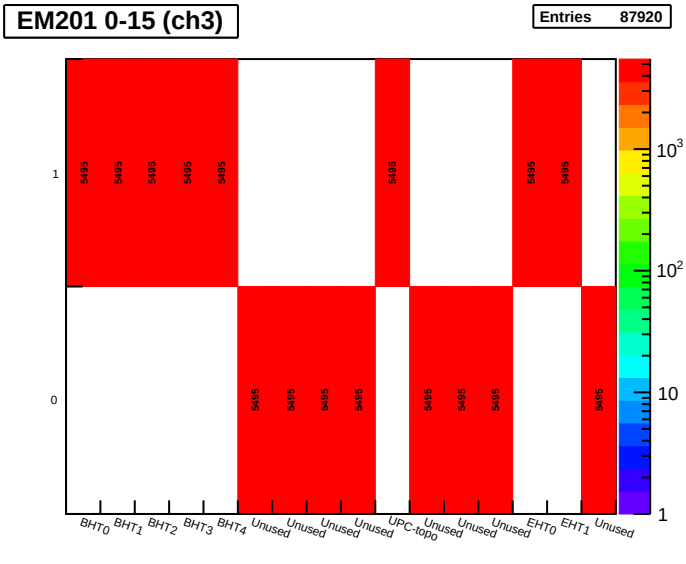

ST201 0-15 (ch6)
Entries 87920
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5495
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

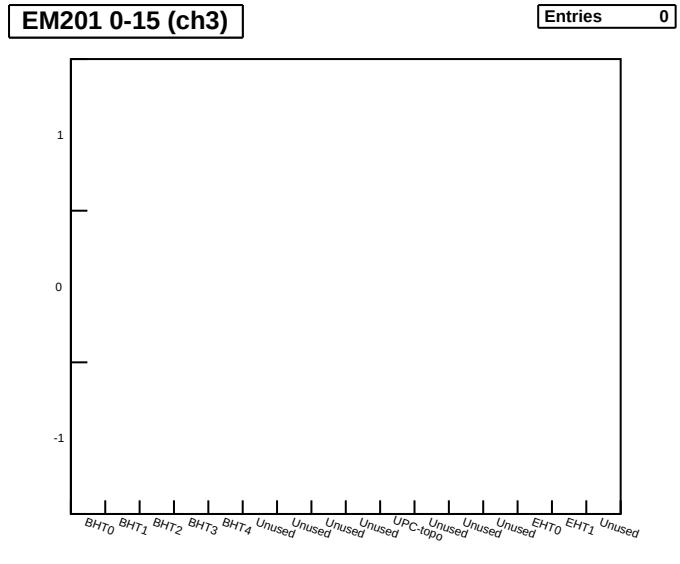

TF201 0-15 (ch0)
Entries 87920
1
0
5495
4626
4917
3681
4832
4860
869
578
1814
663
635
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 87920
1
0
1911
5048
5106
5495
32
336
290
5482
5359
4809
5395
2665
4516
4461
3984
447
389
5463
5159
5205
13
136
686
100
2830
979
1034
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
10^3
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 87920
1
0
5495
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^3
10^2
10
1


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