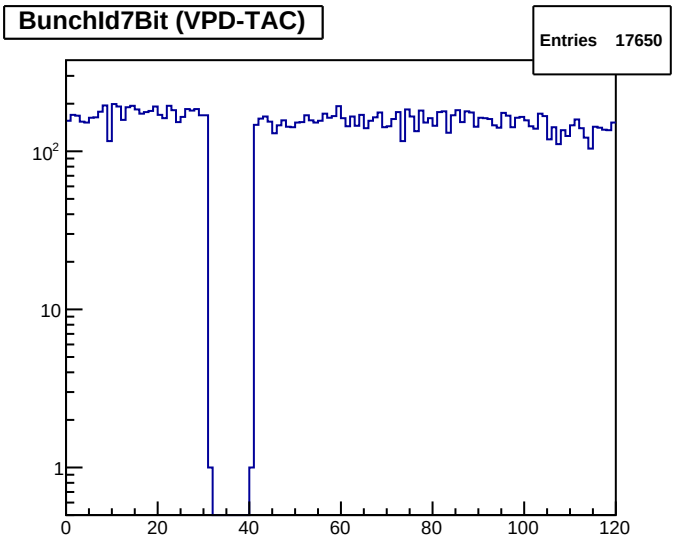
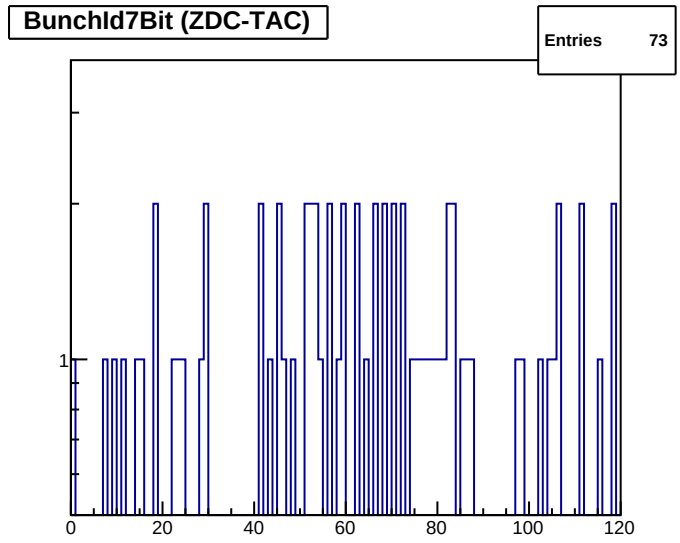
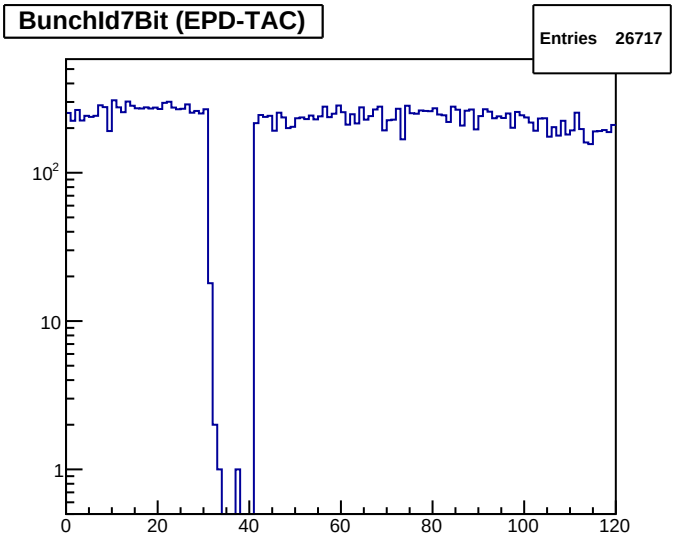
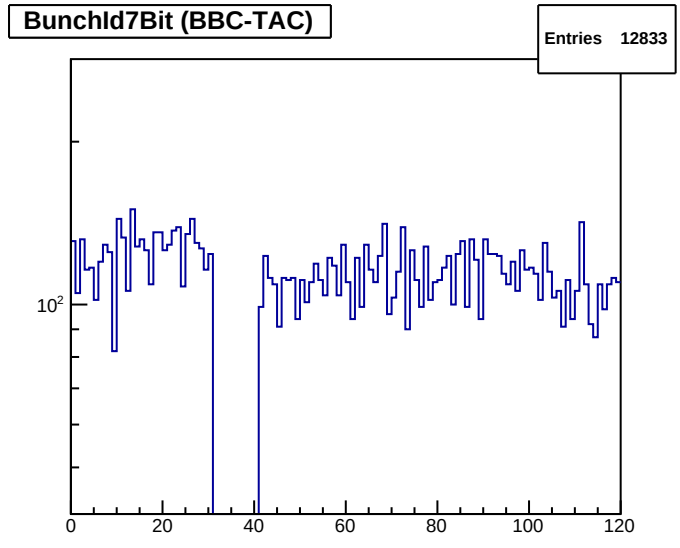
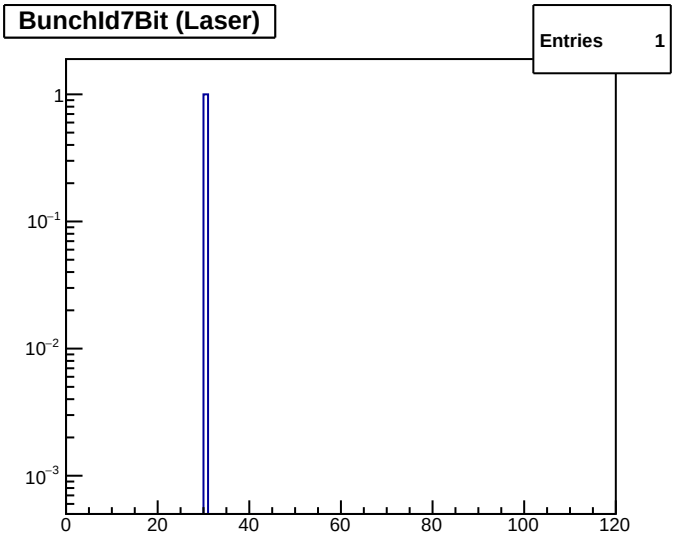
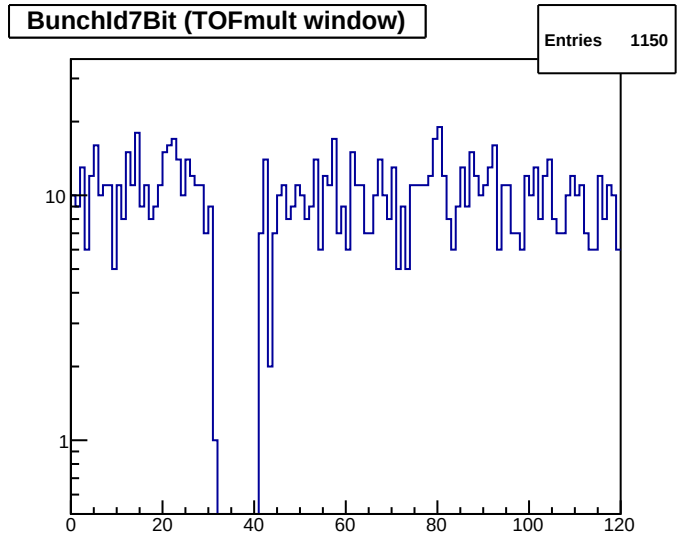

BunchId7Bit (VPD-TAC)
Entries 17650
10^2
10
1
0
20
40
60
80
100
120

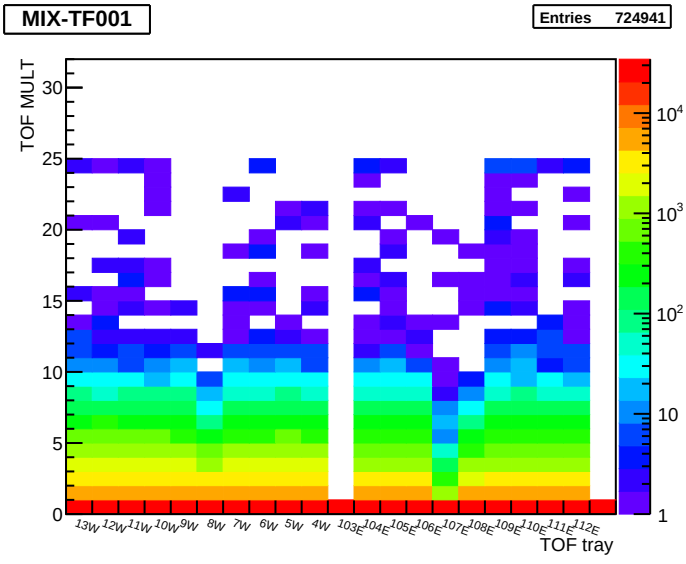

BunchId7Bit (ZDC-TAC)
Entries 73
1
0
20
40
60
80
100
120

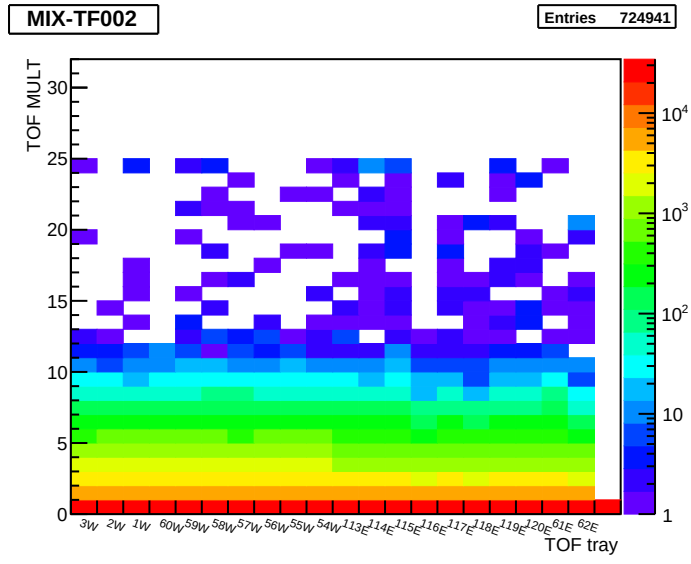

BunchId7Bit (EPD-TAC)
Entries 26717
10^2
10
1
0
20
40
60
80
100
120

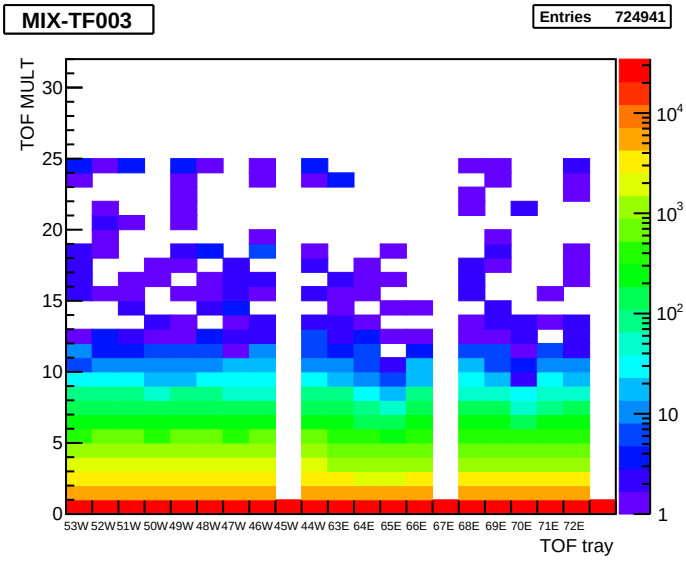

BunchId7Bit (BBC-TAC)
Entries 12833
10^2
0
20
40
60
80
100
120

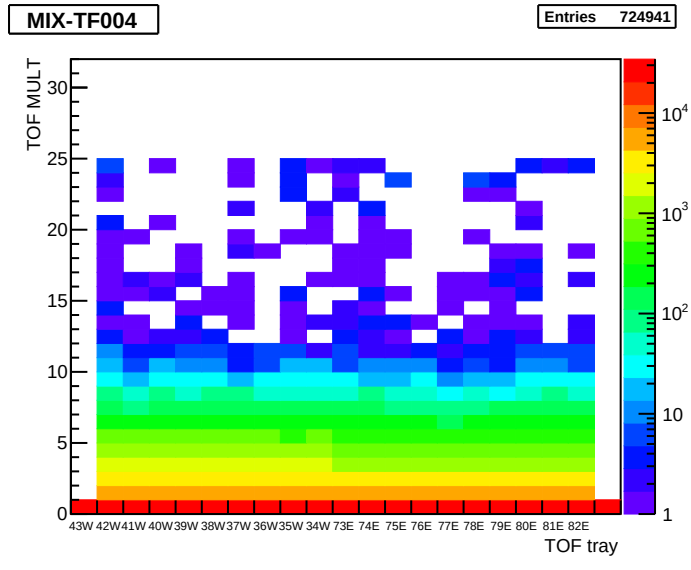

BunchId7Bit (Laser)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0
20
40
60
80
100
120

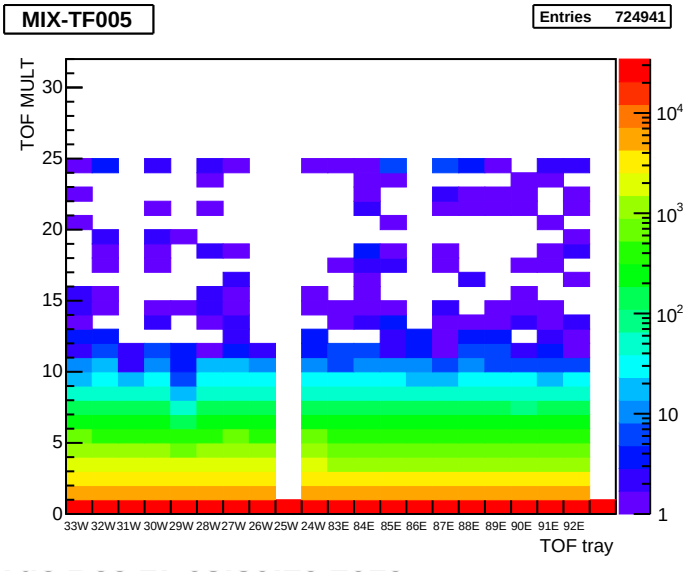

BunchId7Bit (TOFmult window)
Entries 1150
10
1
0
20
40
60
80
100
120

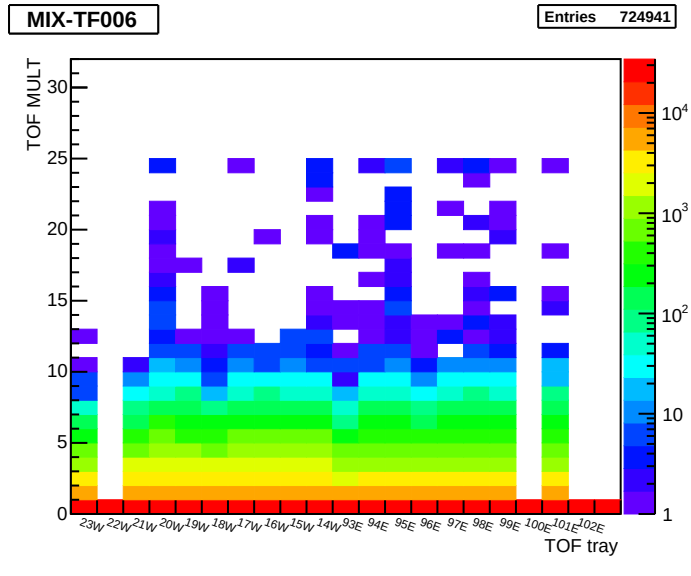

MIX-TF001
Entries 724941
TOF MULT
TOF tray

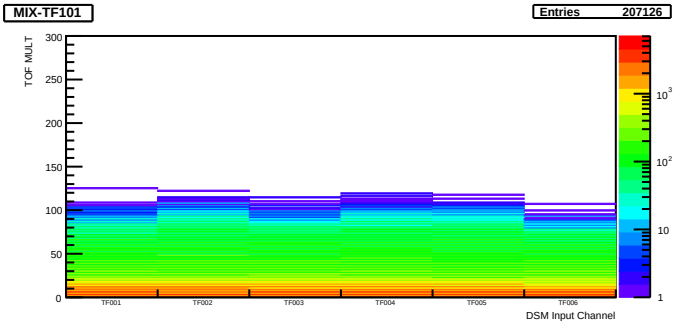

MIX-TF002
Entries 724941
TOF MULT
TOF tray

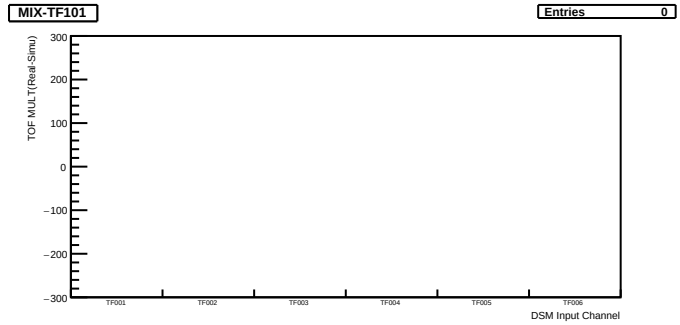

MIX-TF003
Entries 724941
TOF MULT
TOF tray

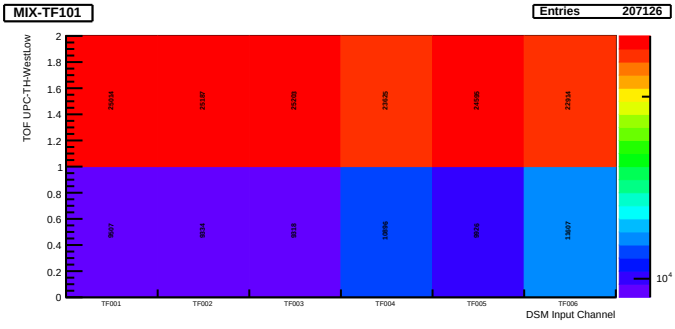

MIX-TF004
Entries 724941
TOF MULT
TOF tray

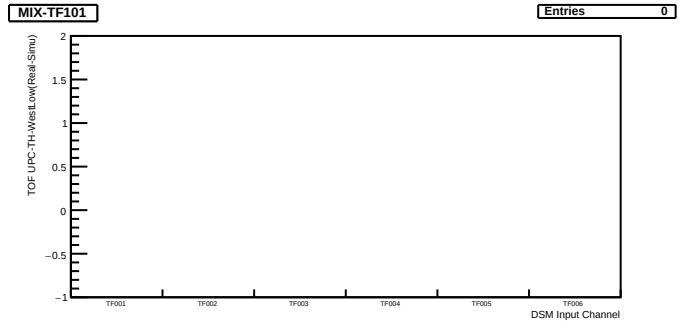

MIX-TF005
Entries 724941
TOF MULT
TOF tray

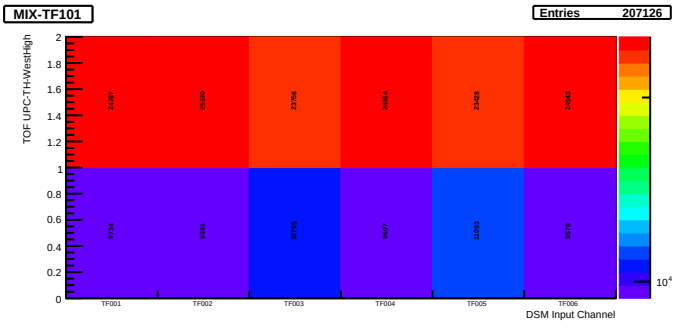

MIX-TF006
Entries 724941
TOF MULT
TOF tray

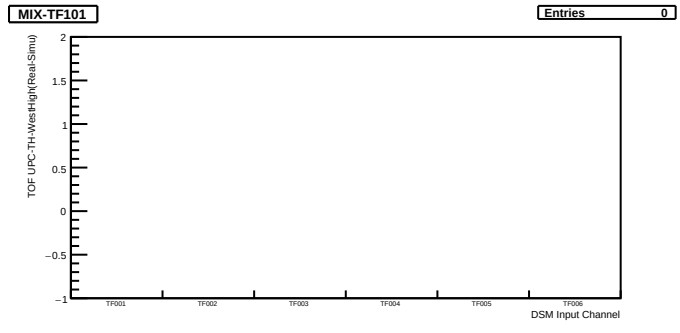

MIX-TF101
Entries 207126
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

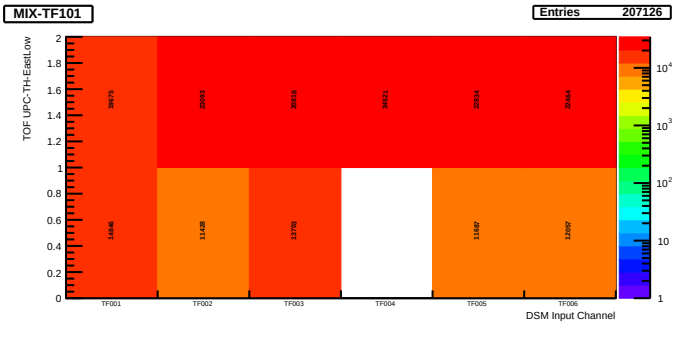

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

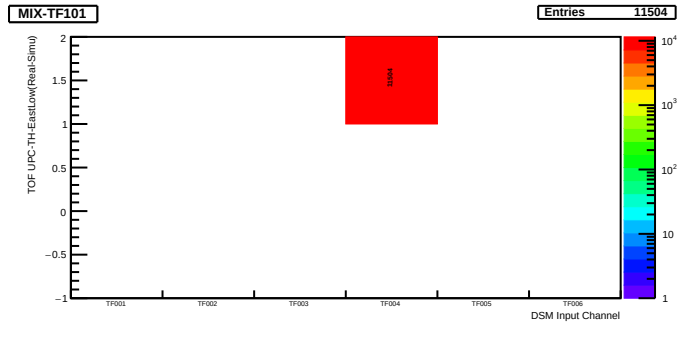

MIX-TF101
Entries 207126
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

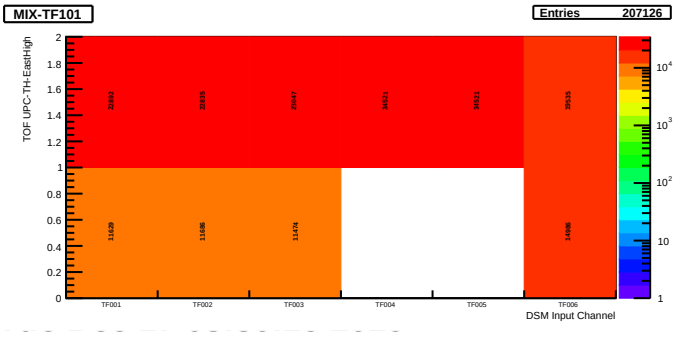

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

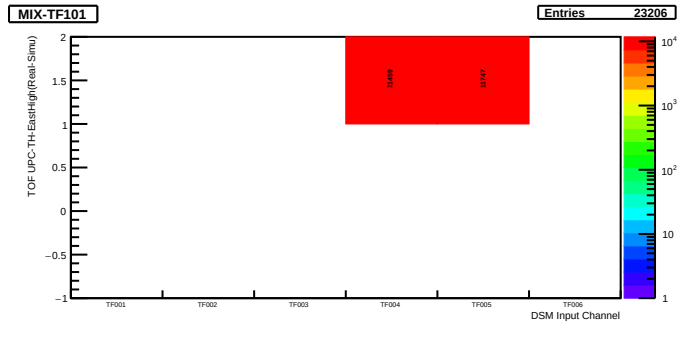

MIX-TF101
Entries 207126
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

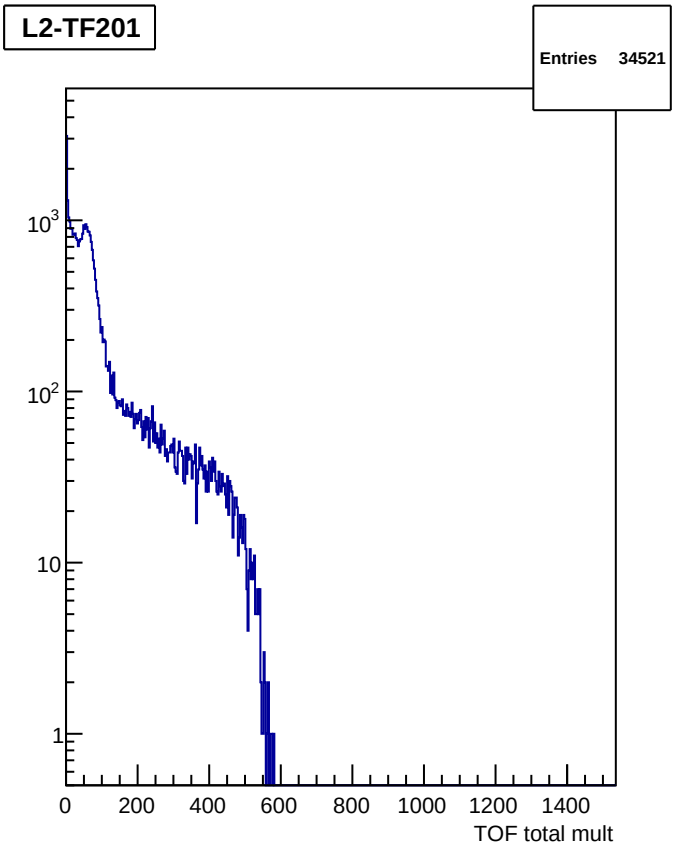

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

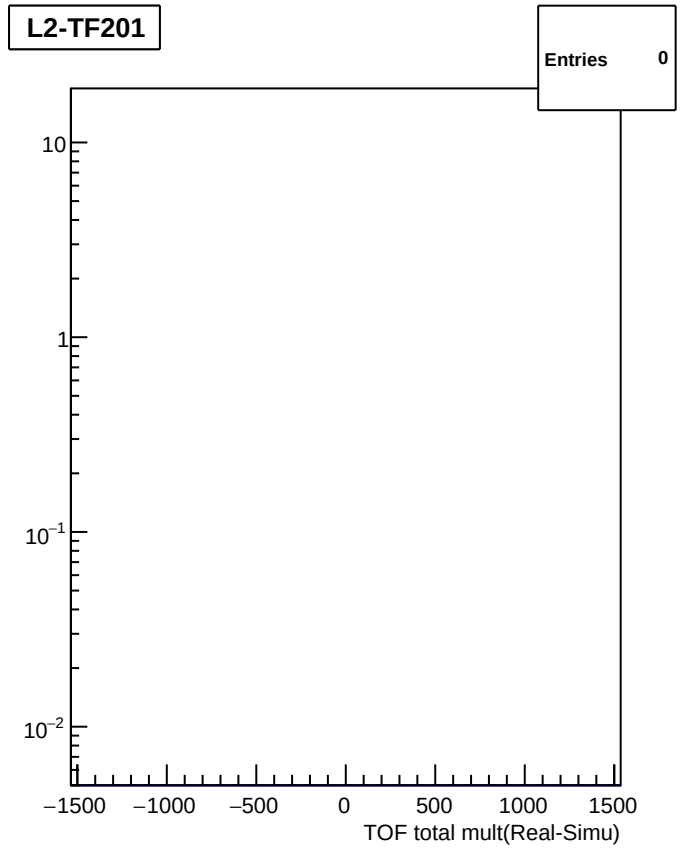

MIX-TF101
Entries 207126
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

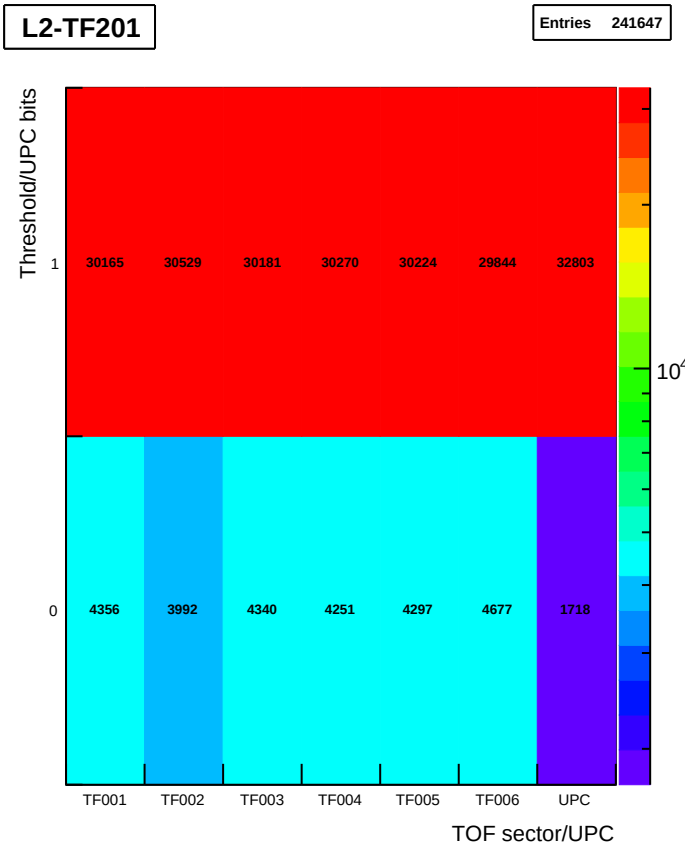

MIX-TF101
Entries 11504
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

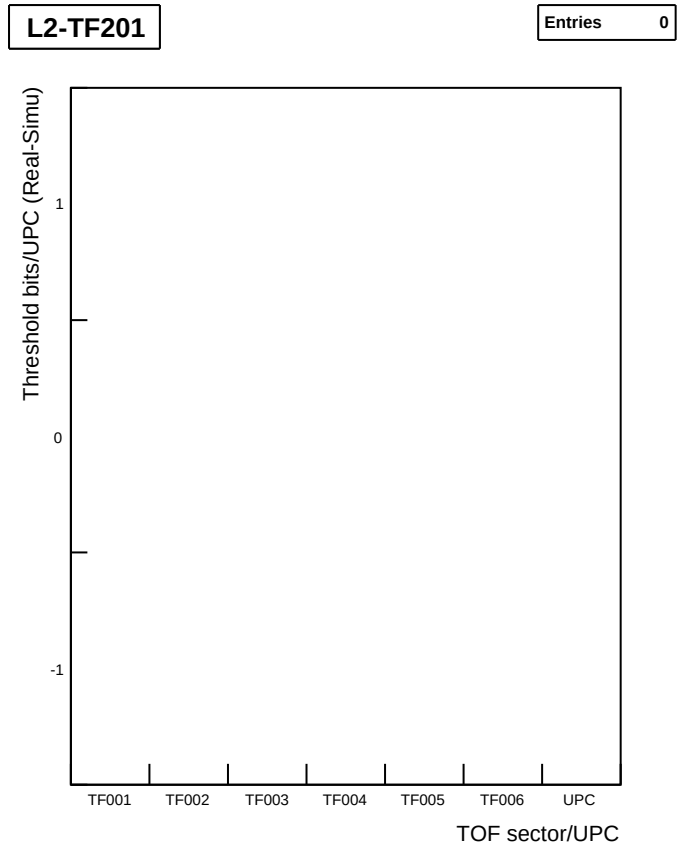

MIX-TF101
Entries 207126
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

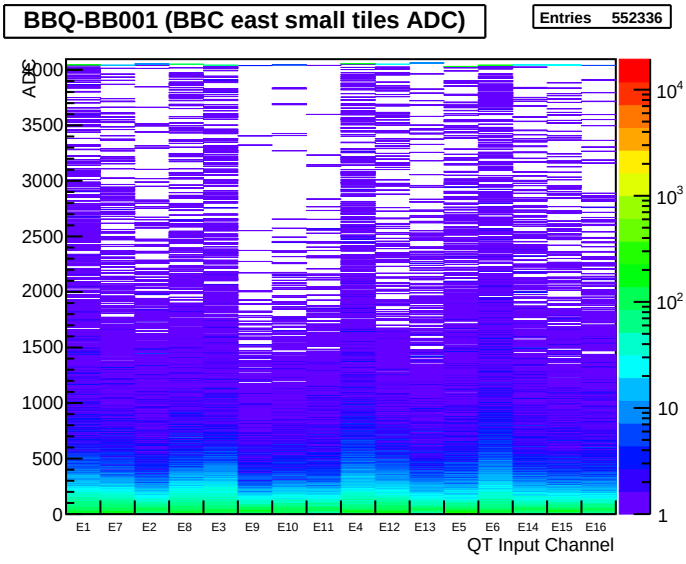

MIX-TF101
Entries 23206
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

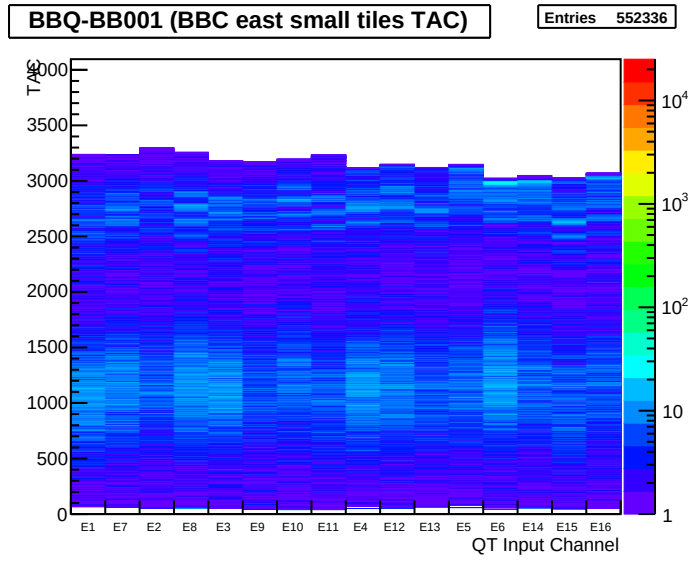

L2-TF201
Entries 34521
TOF total mult

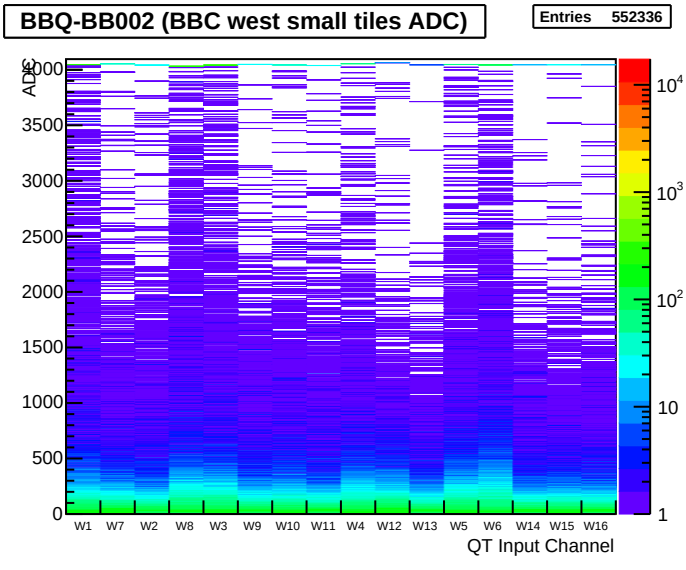

L2-TF201
Entries 0
TOF total mult(Real-Simu)

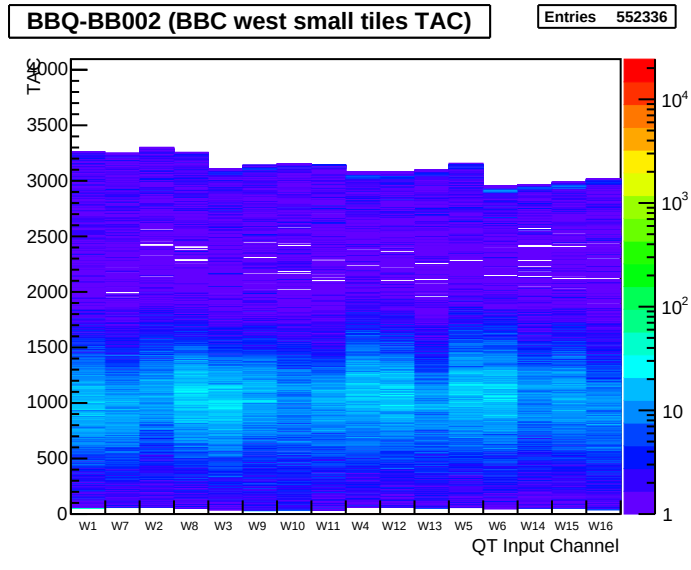

L2-TF201
Entries 241647
Threshold/UPC bits
30165 30529 30181 30270 30224 29844 32803
4356 3992 4340 4251 4297 4677 1718
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

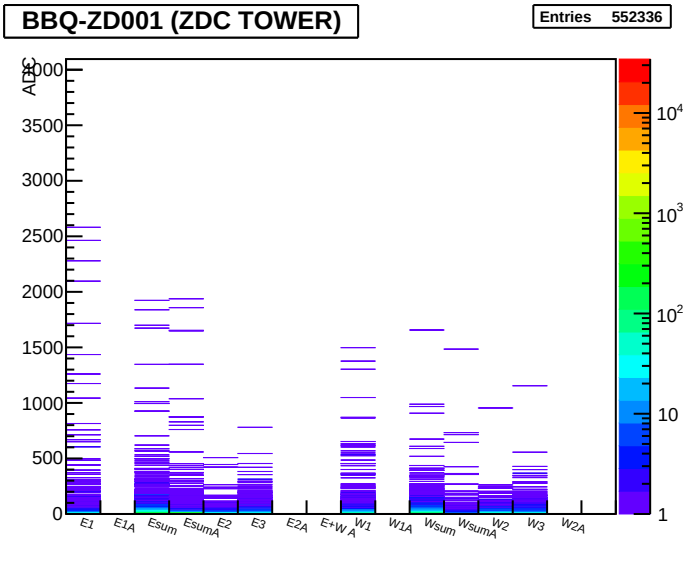

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

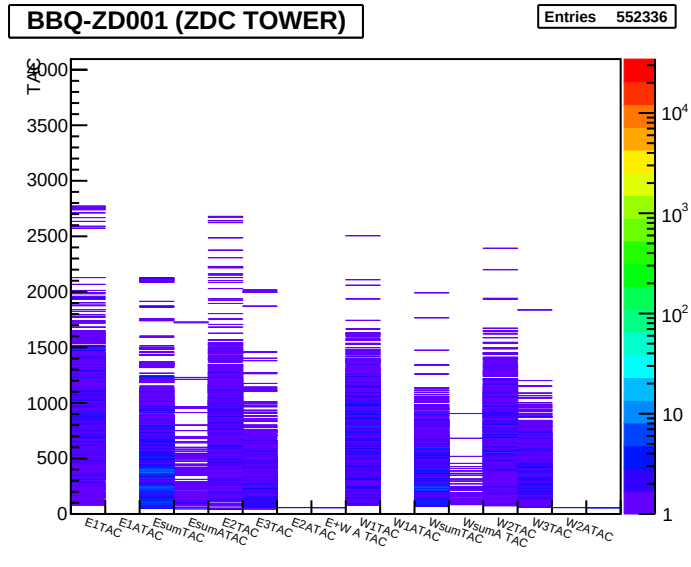

BBQ-BB001 (BBC east small tiles ADC)
Entries 552336
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

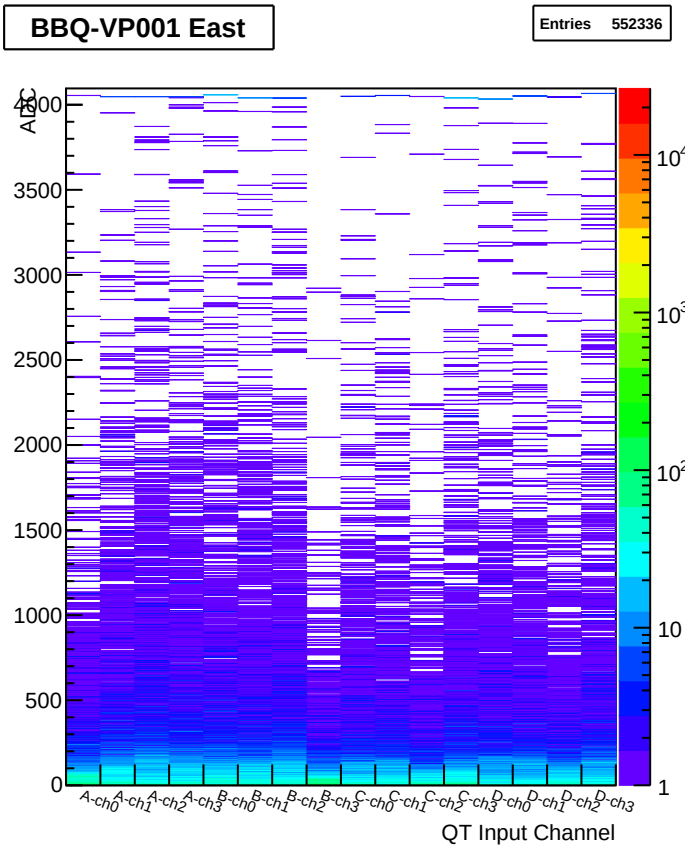

BBQ-BB001 (BBC east small tiles TAC)
Entries 552336
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

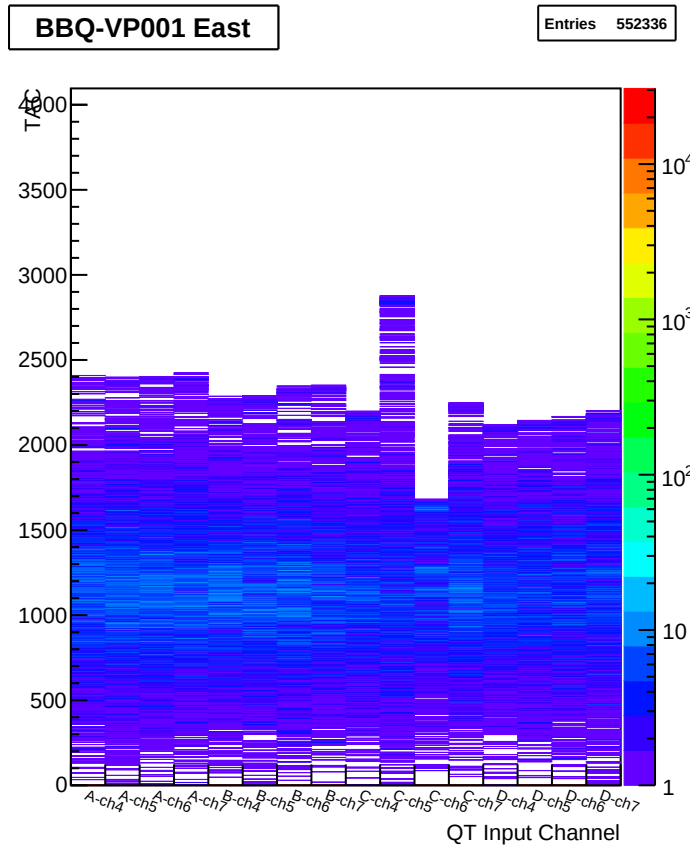

BBQ-BB002 (BBC west small tiles ADC)
Entries 552336
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

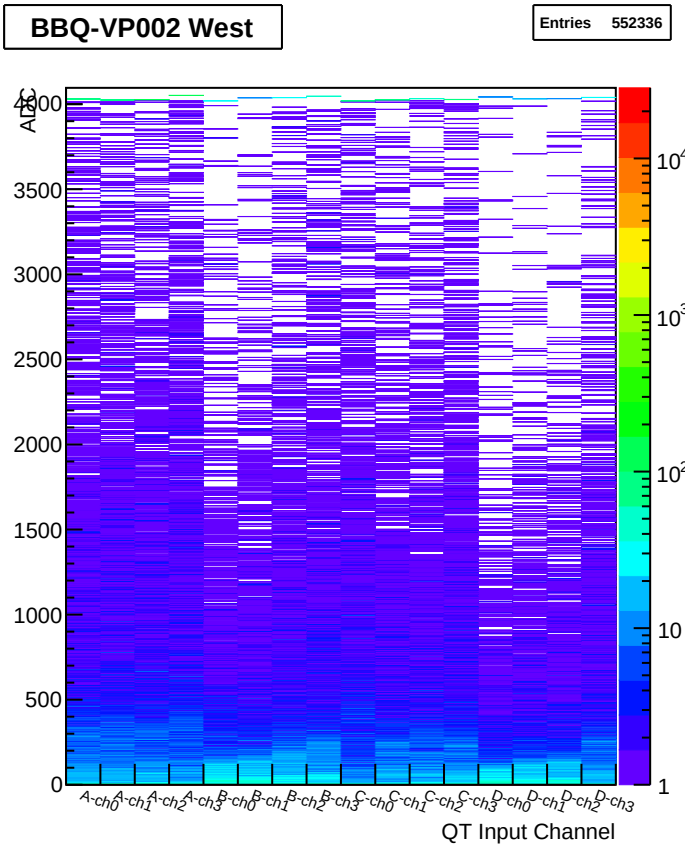

BBQ-BB002 (BBC west small tiles TAC)
Entries 552336
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

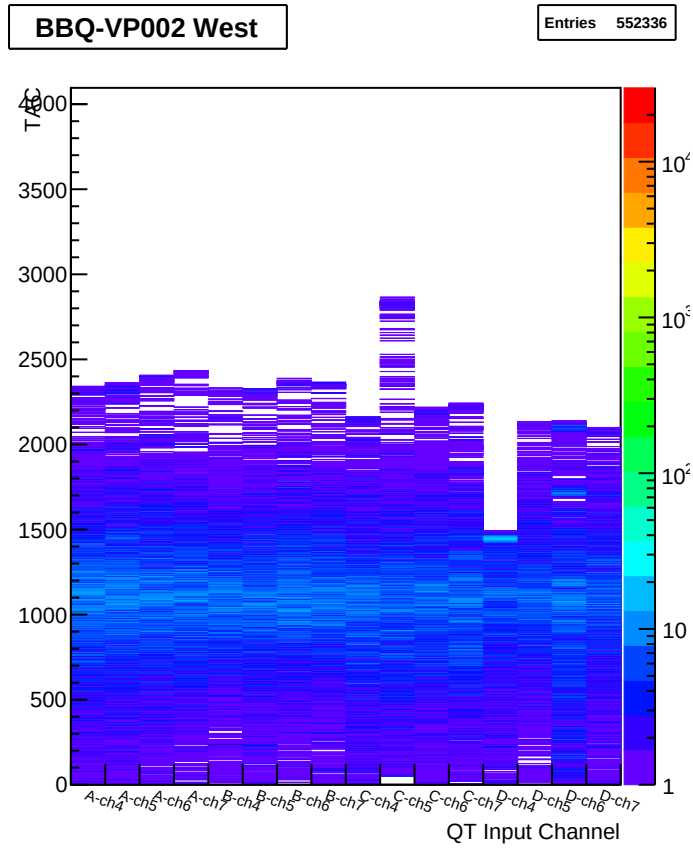

BBQ-ZD001 (ZDC TOWER)
Entries 552336
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

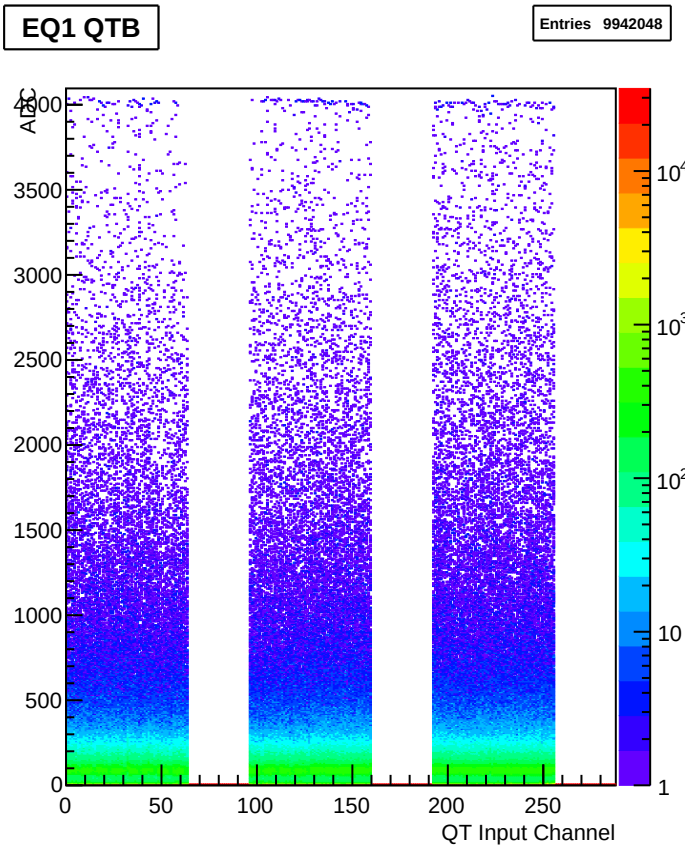

BBQ-ZD001 (ZDC TOWER)
Entries 552336
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

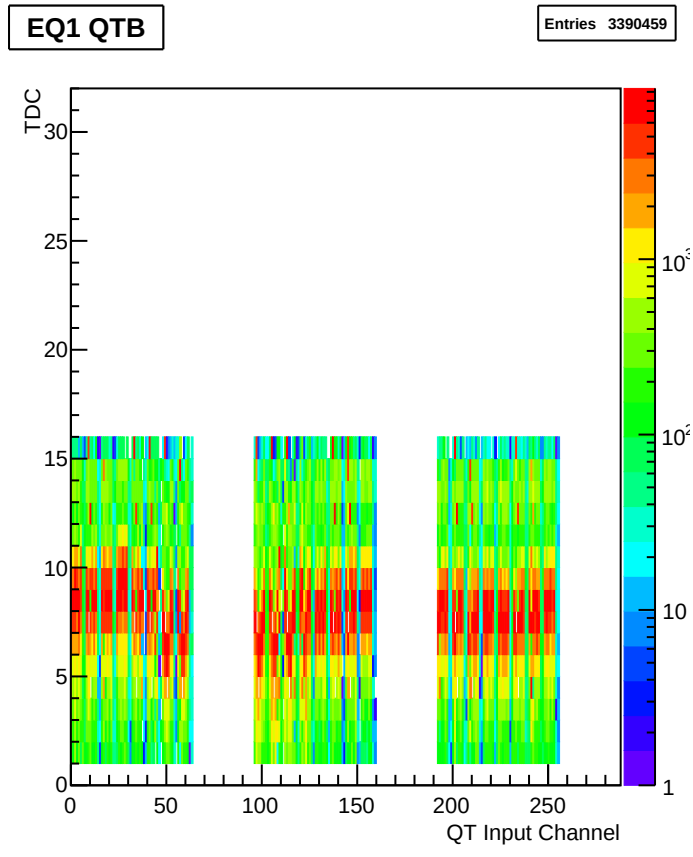

BBQ-VP001 East
Entries 552336
ADC
QT Input Channel

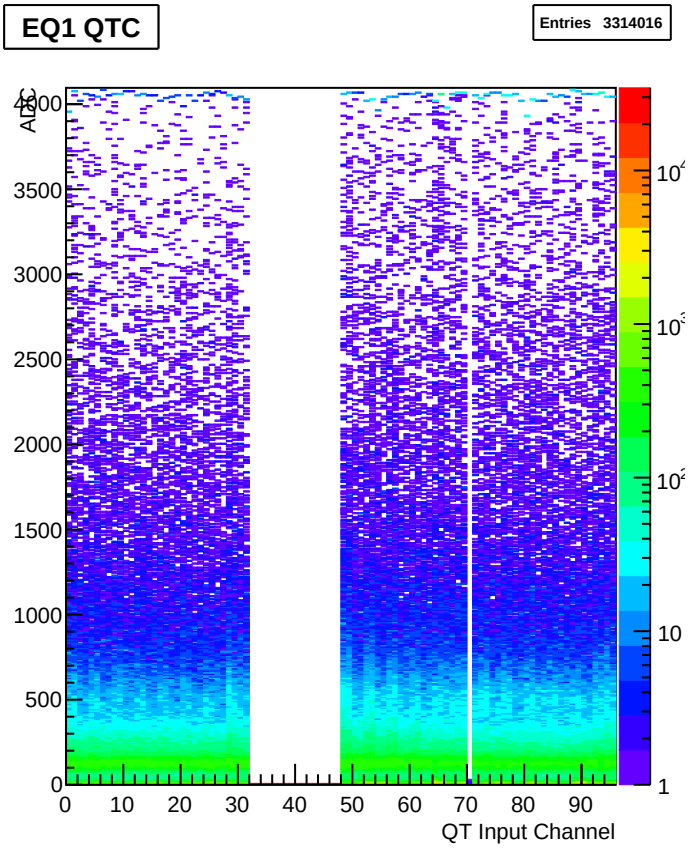

BBQ-VP001 East
Entries 552336
TADC
QT Input Channel

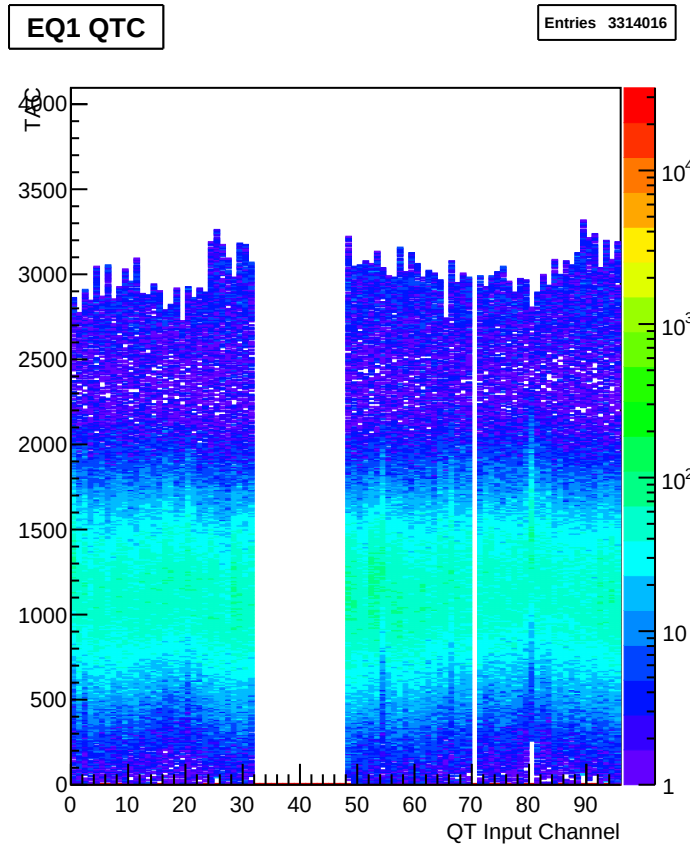

BBQ-VP002 West
Entries 552336
ADC
QT Input Channel

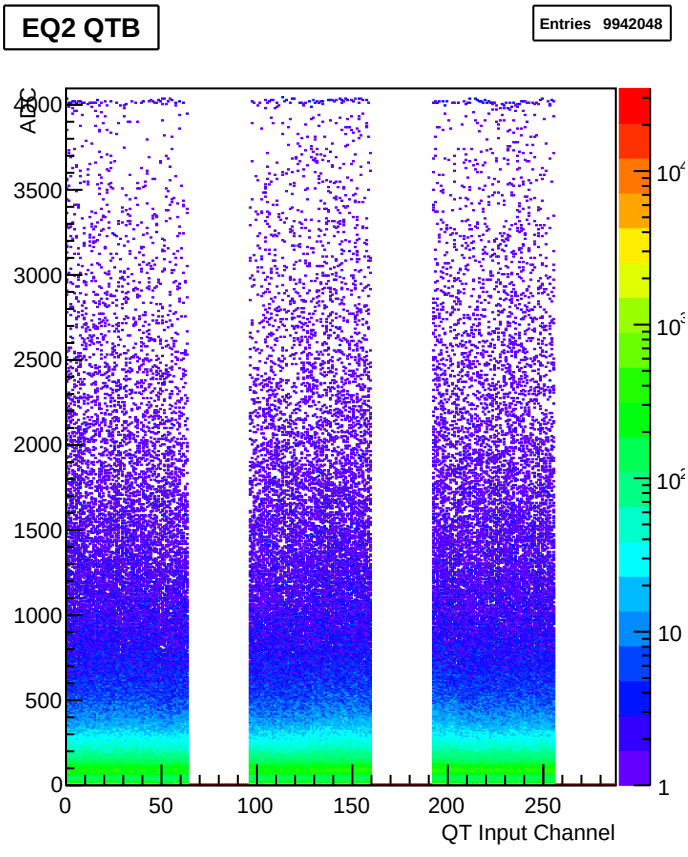

BBQ-VP002 West
Entries 552336
TADC
QT Input Channel

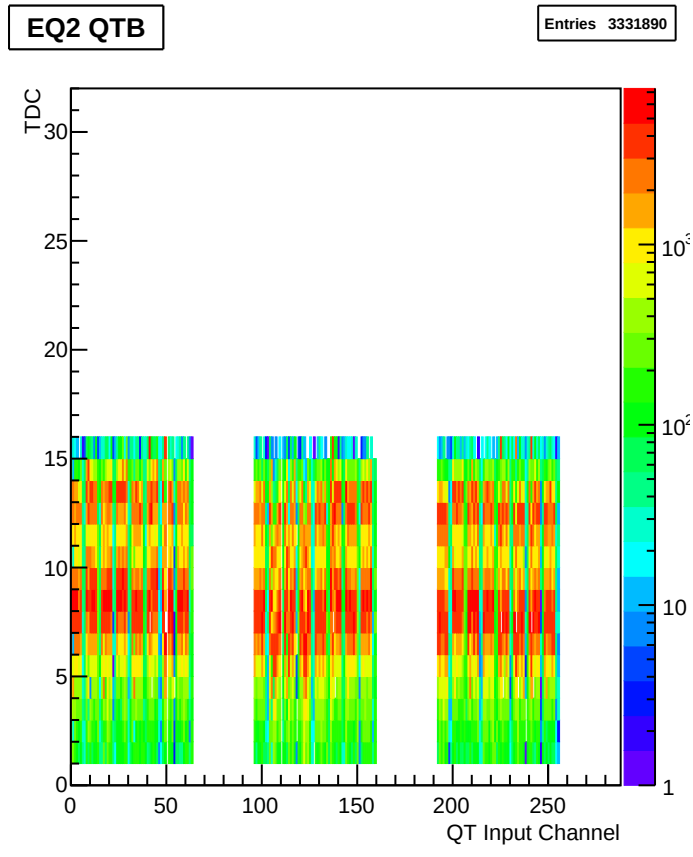

EQ1 QTB
Entries 9942048
ADC
QT Input Channel

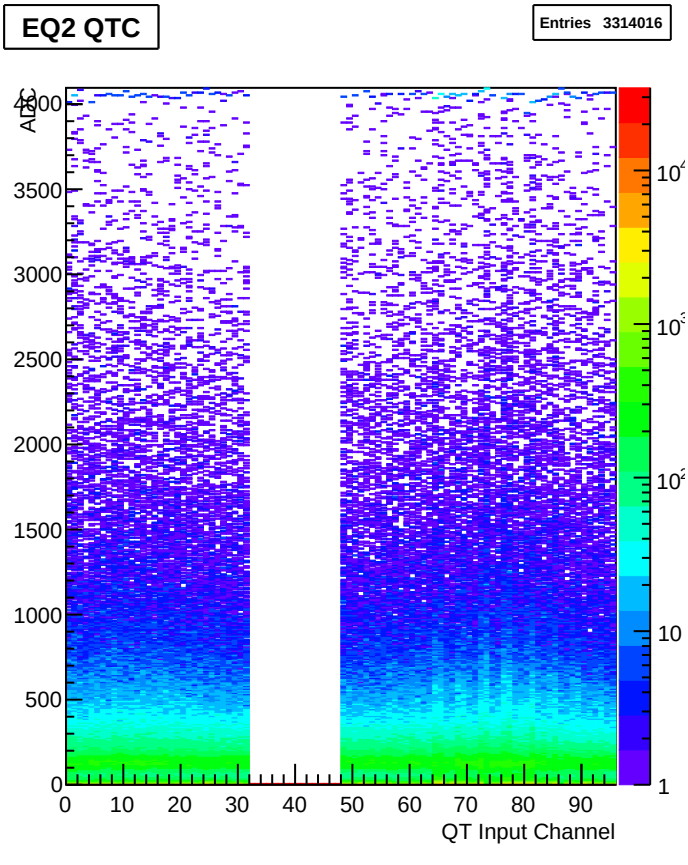

EQ1 QTB
Entries 3390459
TDC
QT Input Channel

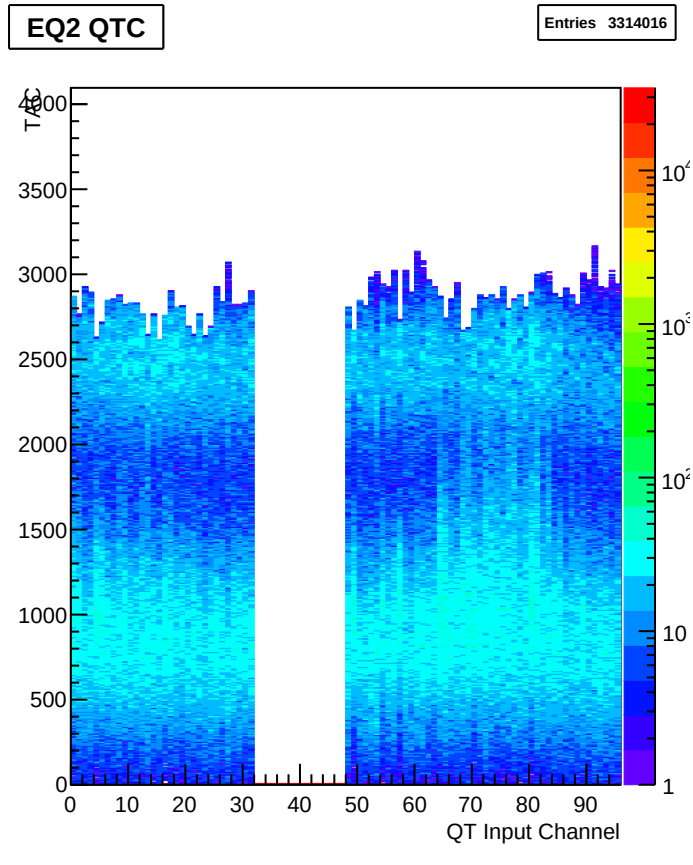

EQ1 QTC
Entries 3314016
ADC
QT Input Channel

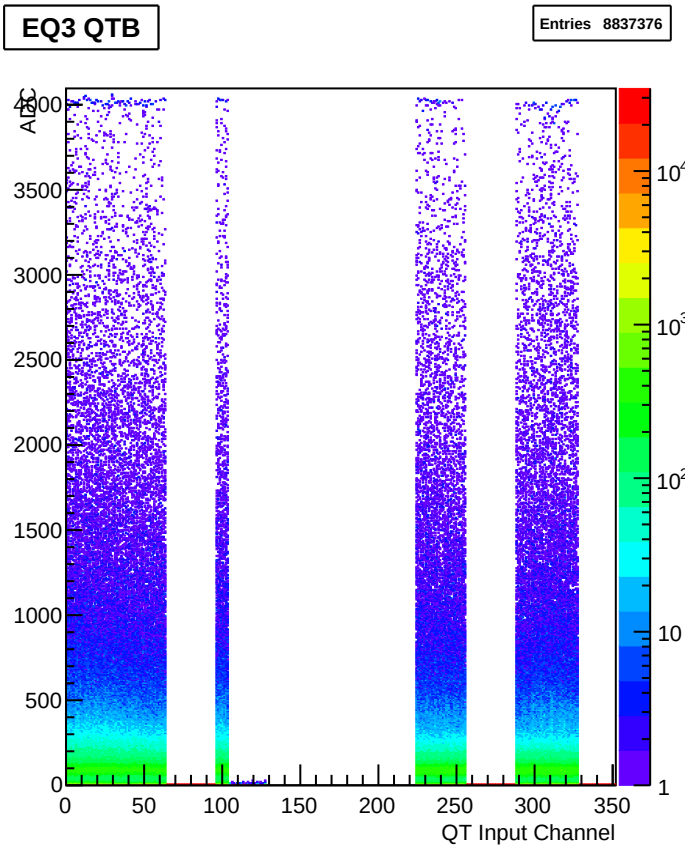

EQ1 QTC
Entries 3314016
TADC
QT Input Channel

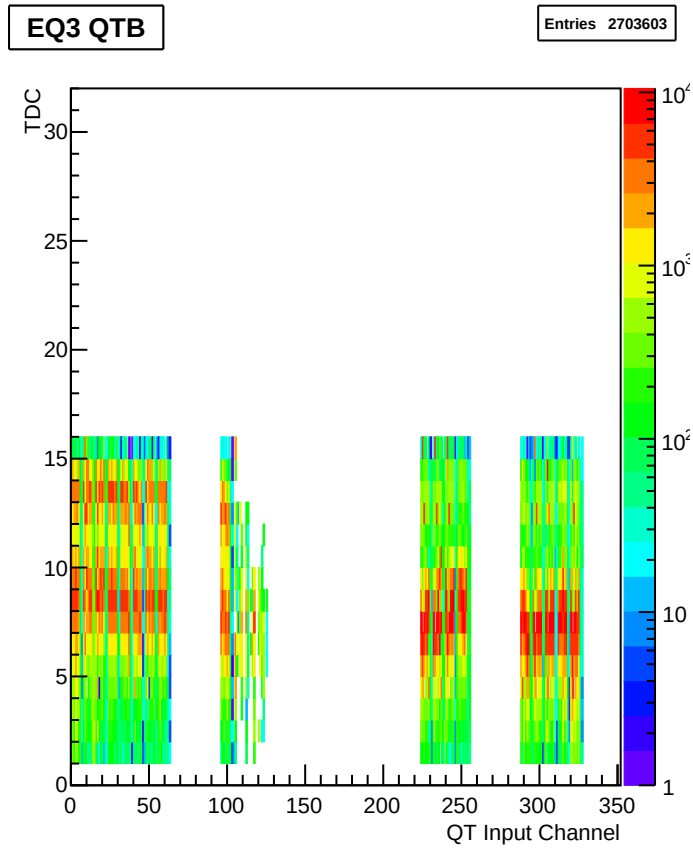

EQ2 QTB
Entries 9942048
ADC
QT Input Channel

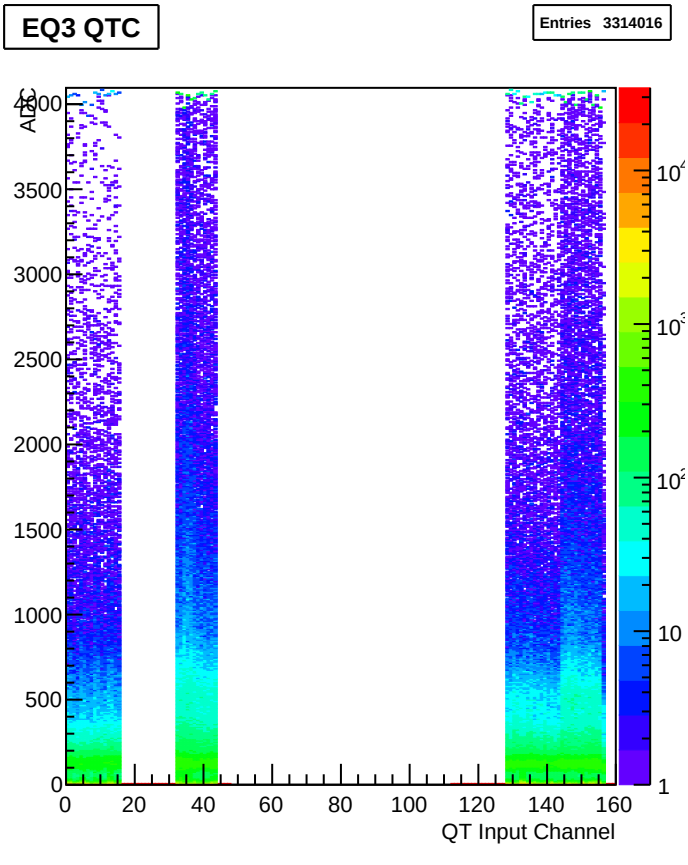

EQ2 QTB
Entries 3331890
TDC
QT Input Channel

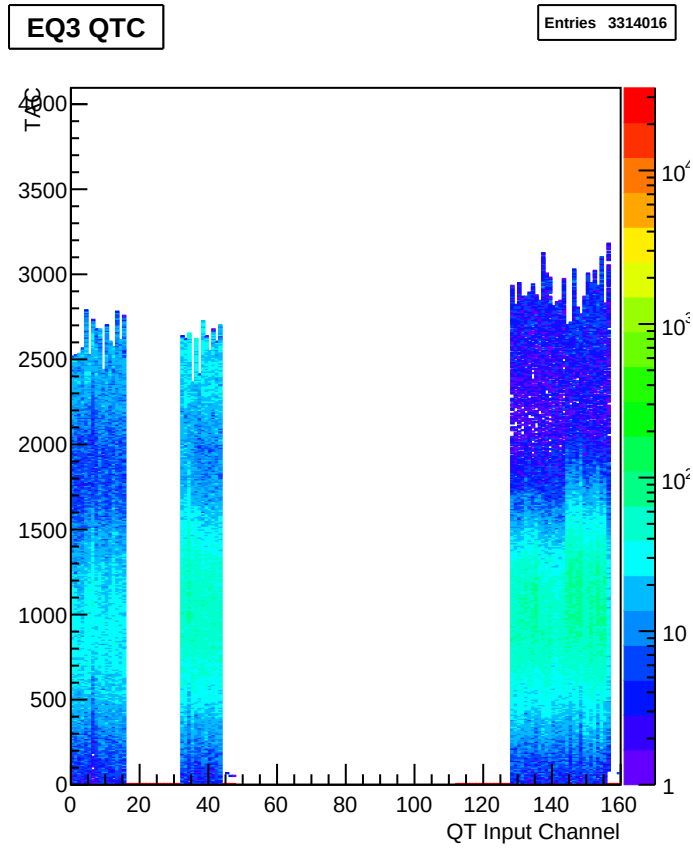

EQ2 QTC
Entries 3314016
ADC
QT Input Channel

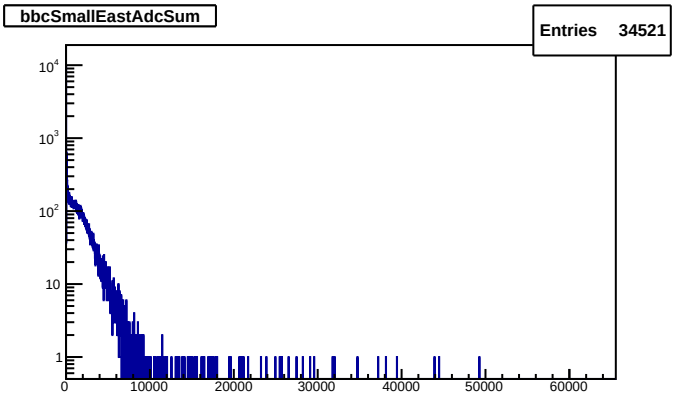

EQ2 QTC
Entries 3314016
TADC
QT Input Channel

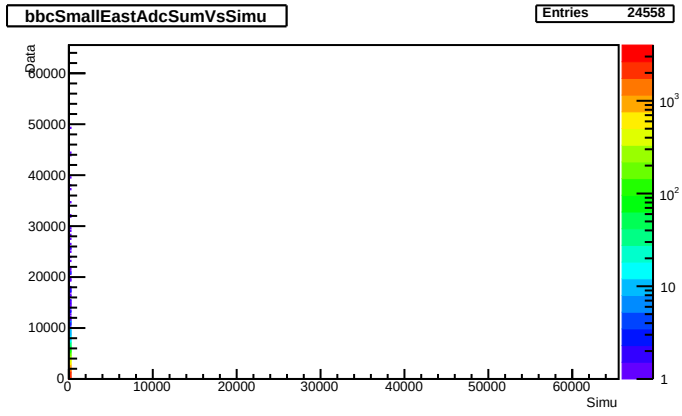

EQ3 QTB
Entries 8837376
ADC
QT Input Channel

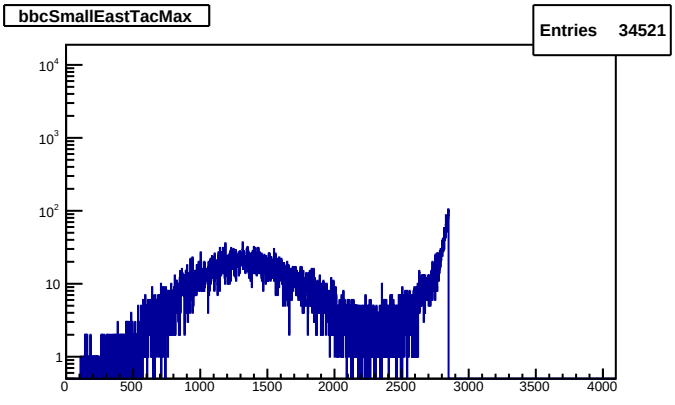

EQ3 QTB
Entries 2703603
TDC
QT Input Channel

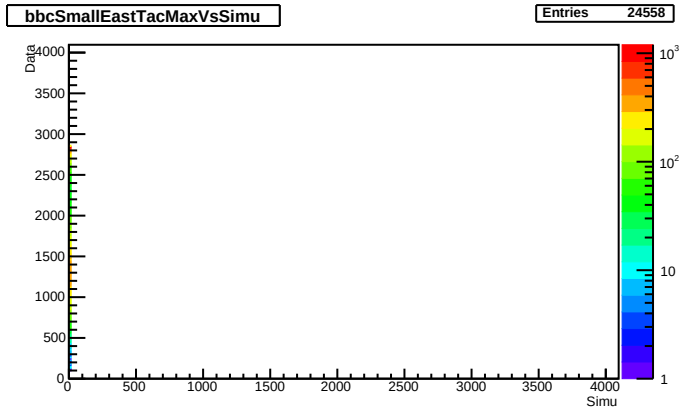

EQ3 QTC
Entries 3314016
ADC
QT Input Channel


EQ3 QTC
Entries 3314016
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 34521


bbcSmallEastAdcSumVsSimu
Entries 24558
Data
Simu


bbcSmallEastTacMax
Entries 34521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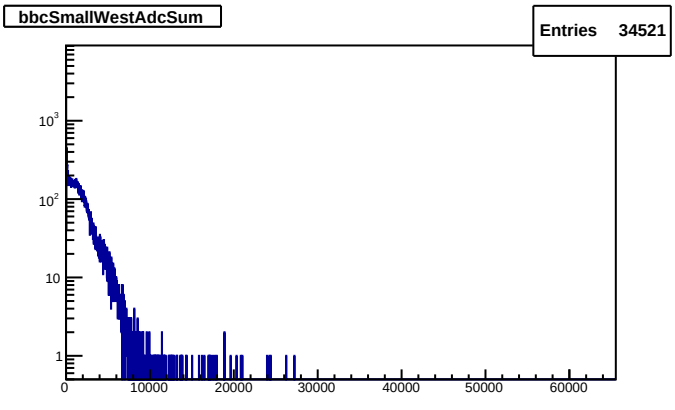
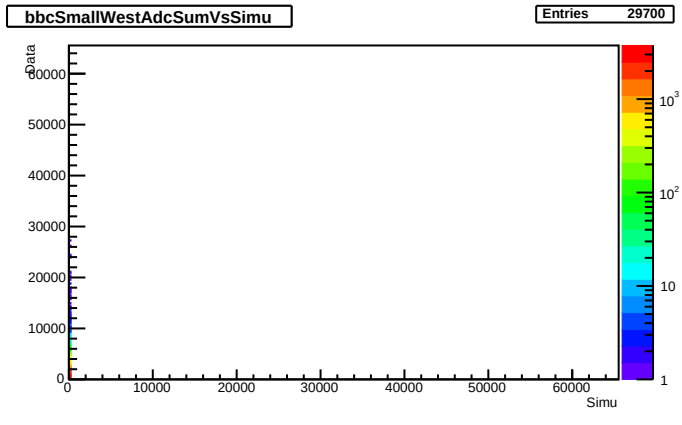
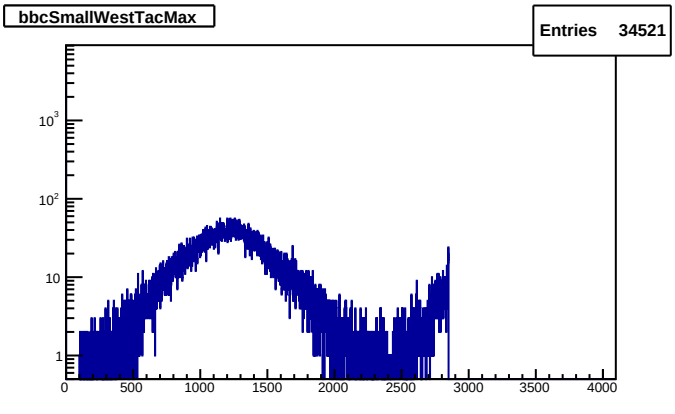
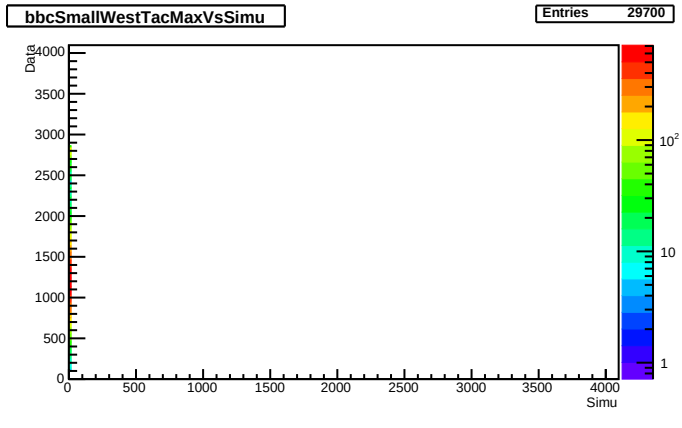
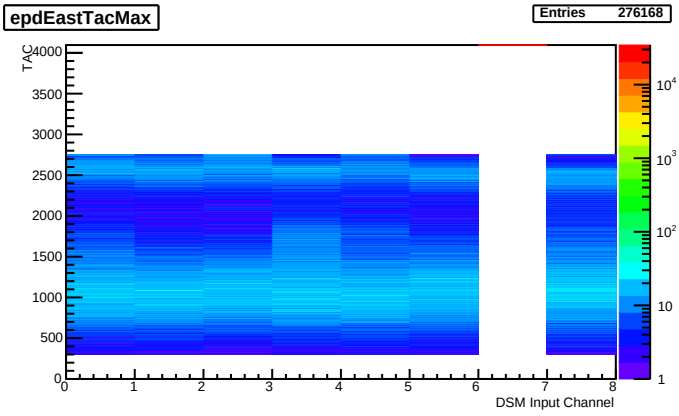
Entries 24558
Data
Simu

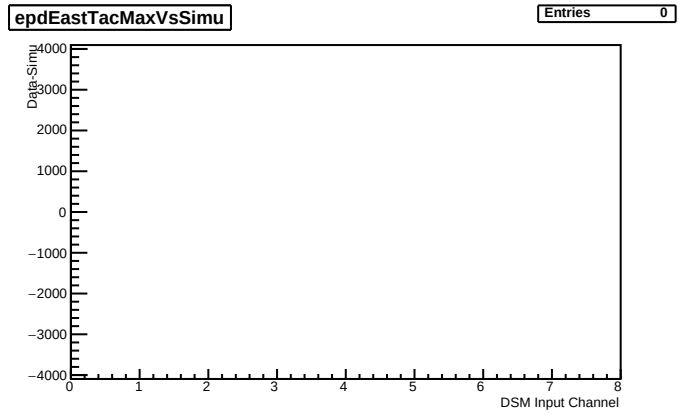

bbcSmallWestAdcSum
Entries 34521

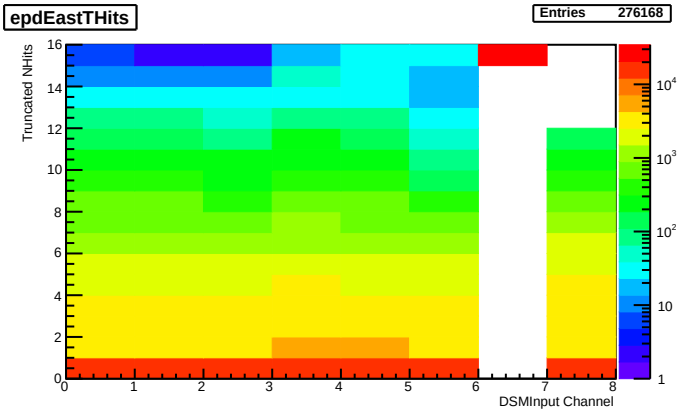

bbcSmallWestAdcSumVsSimu
Entries 29700
Data
Simu

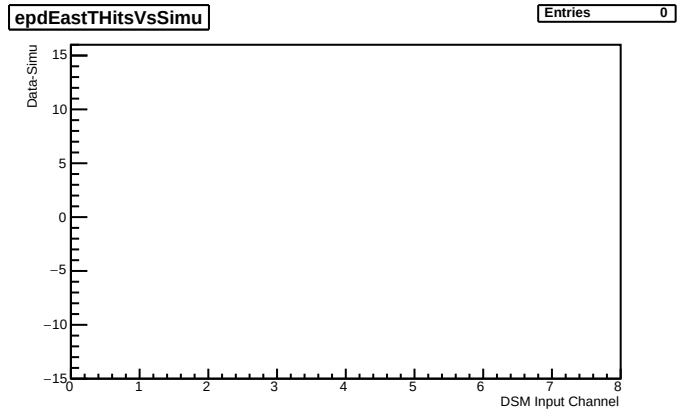

bbcSmallWestTacMax
Entries 34521


bbcSmallWestTacMaxVsSimu
Entries 29700
Data
Simu


epdEastTacMax
Entries 276168
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 276168
Truncated NHits
DSMInput Channel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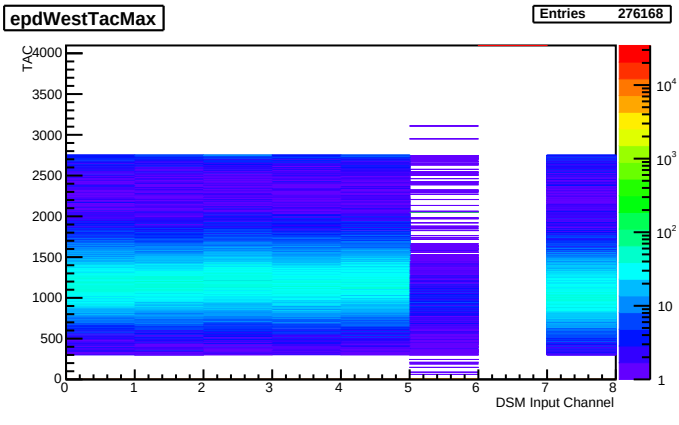
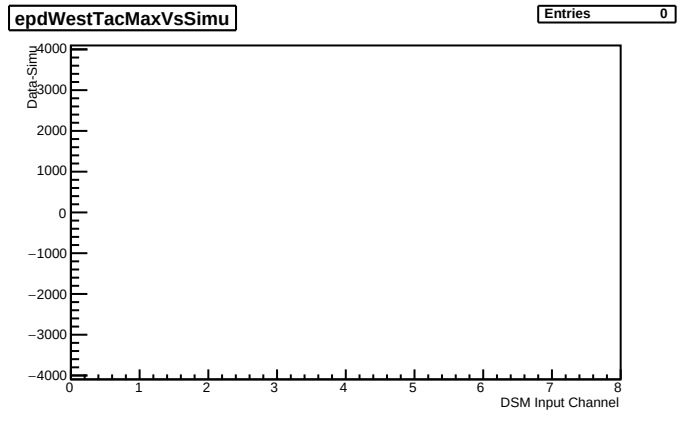
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 276168
TAC
DSM Input Channel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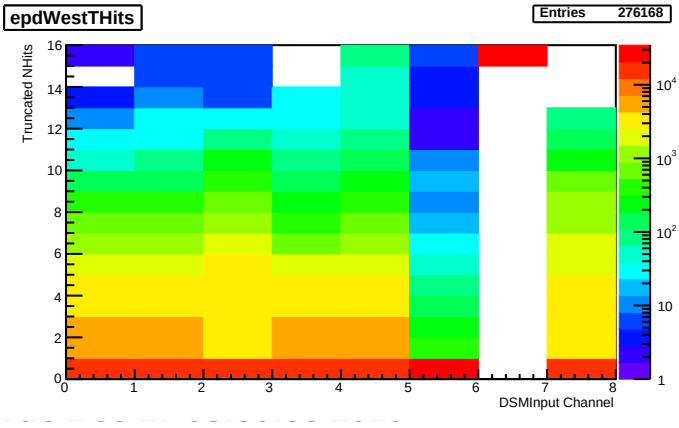
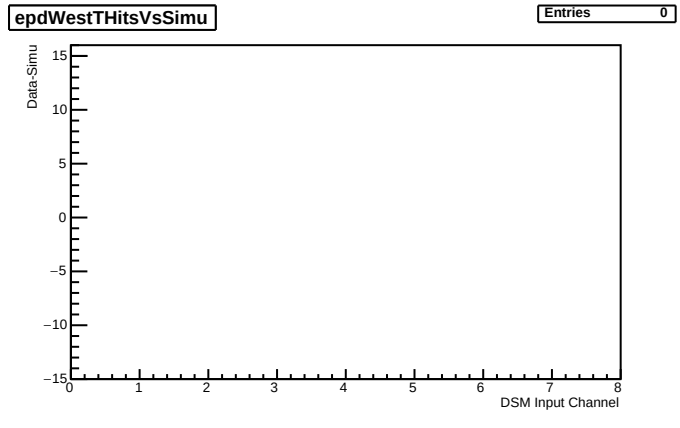
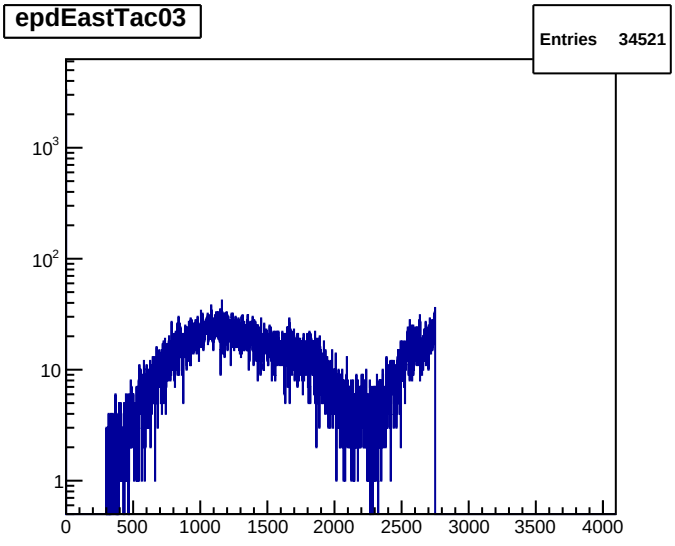
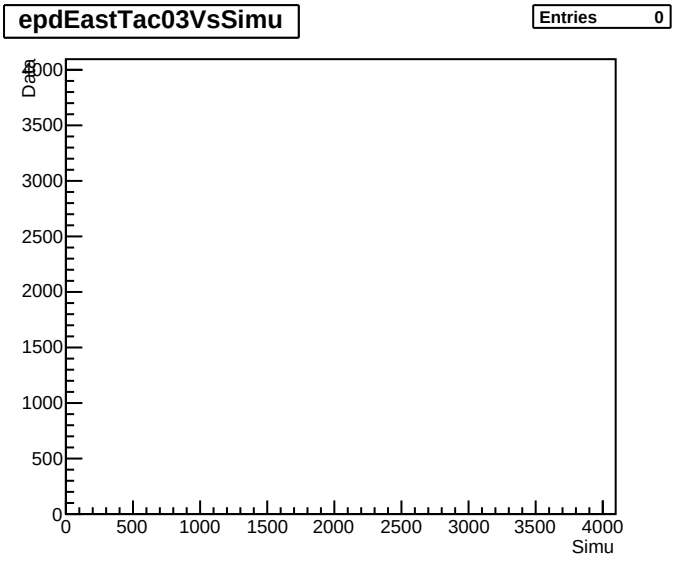
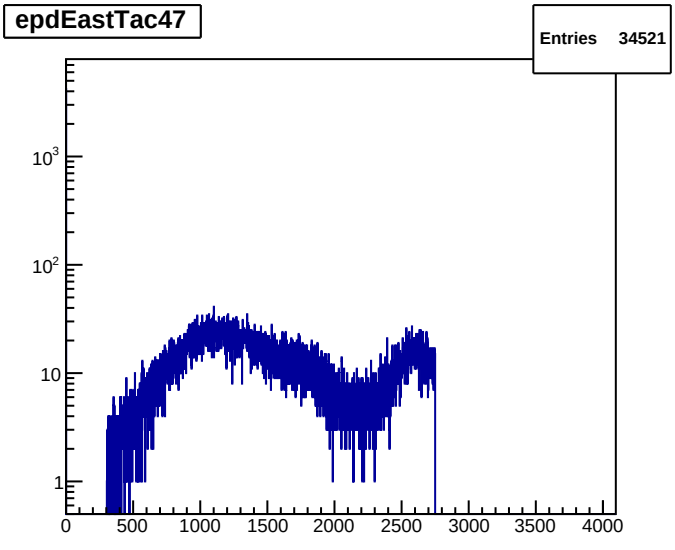
Entries 0
Data-Simu
DSM Input Channel

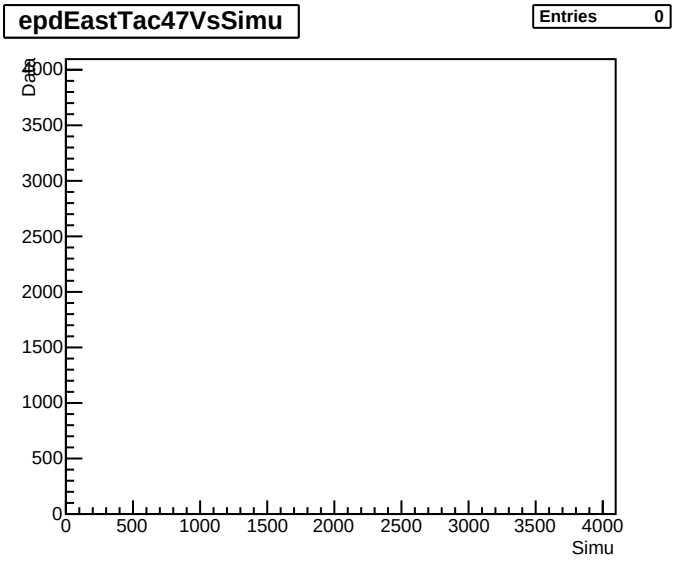

epdWestTHits
Entries 276168
Truncated NHits
DSMInput Channel

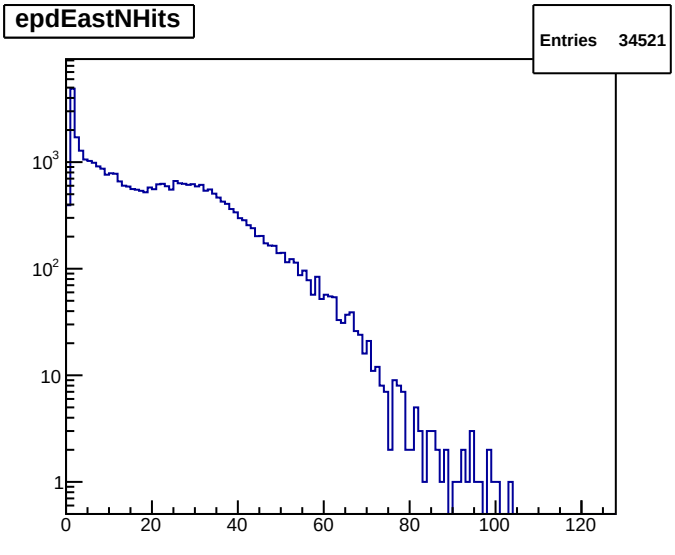

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

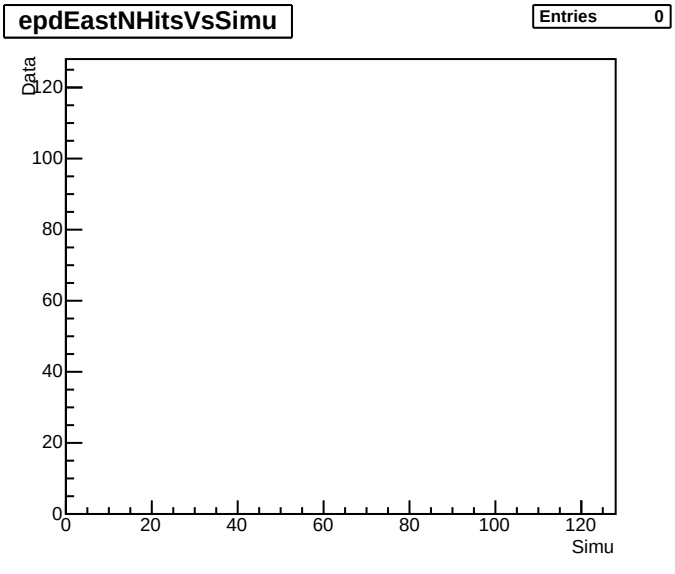

epdEastTac03
Entries 34521


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 34521


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 34521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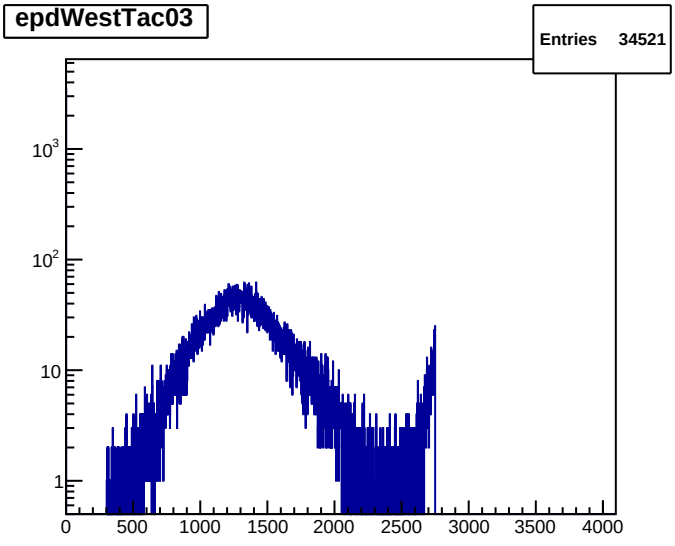
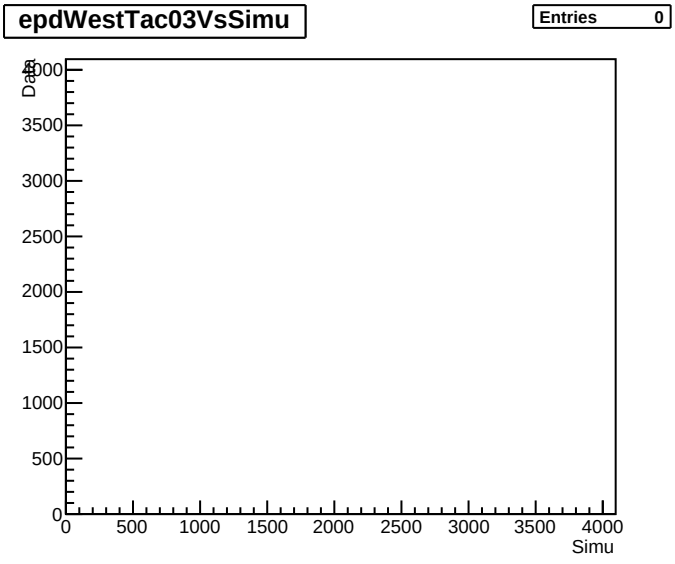
Entries 0
Data
Simu


epdWestTac03
Entries 34521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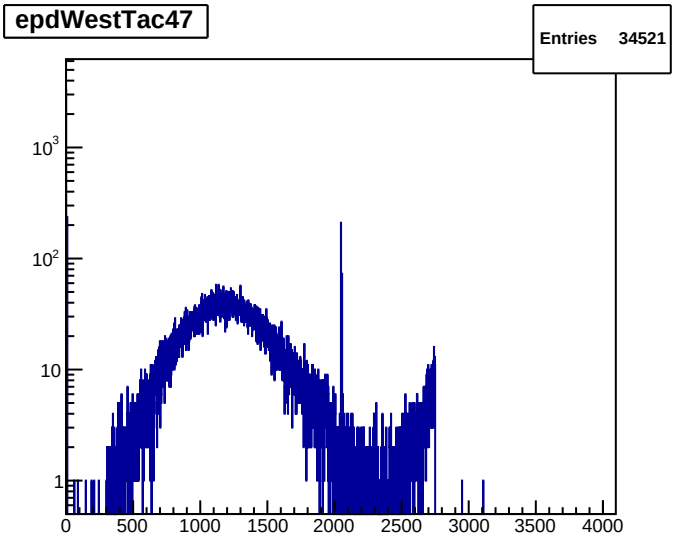
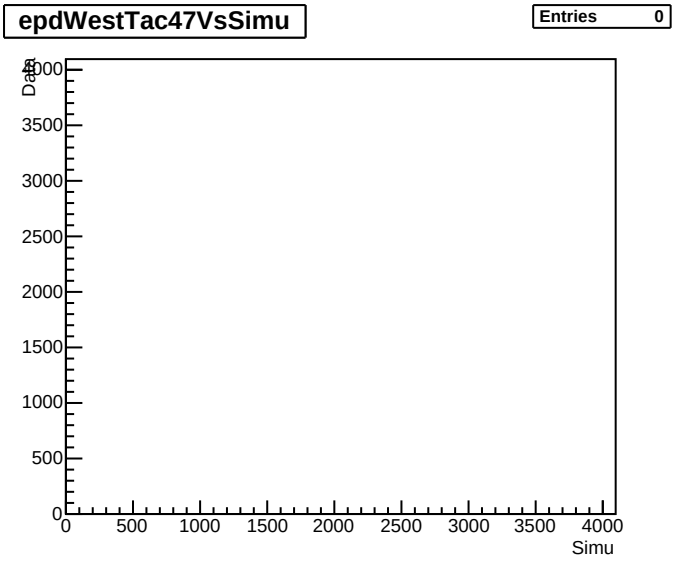
Entries 0
Data
Simu


epdWestTac47
Entries 34521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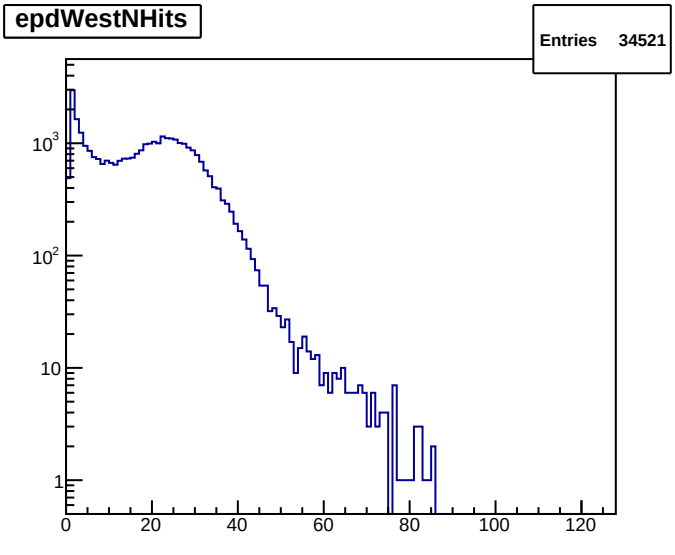
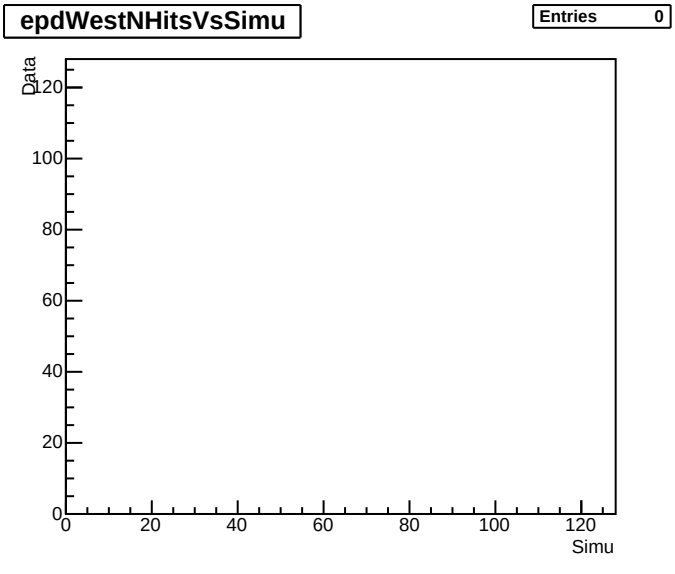
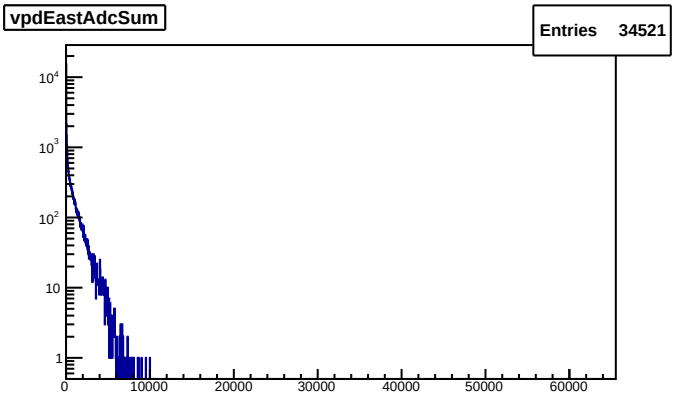
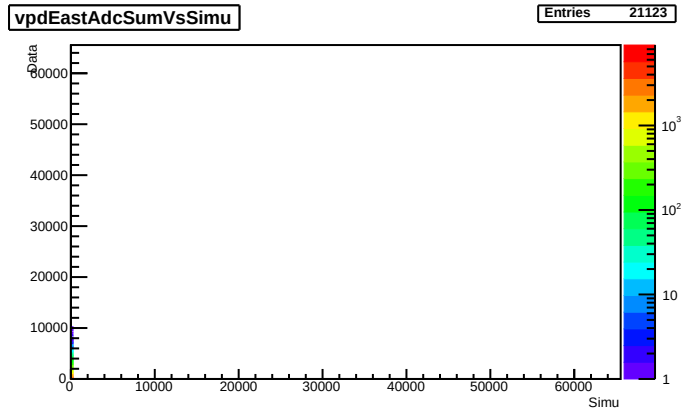
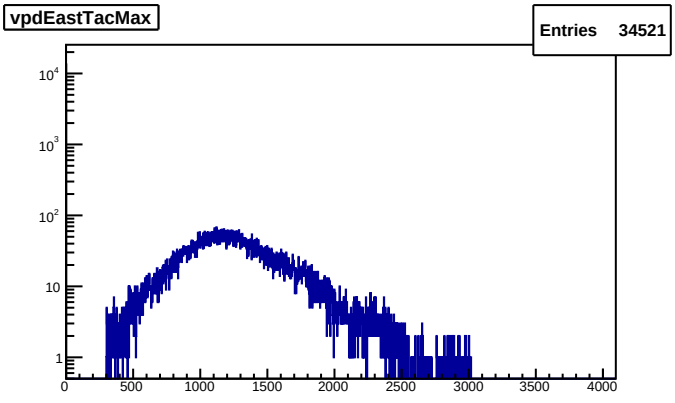
Entries 0
Data
Simu

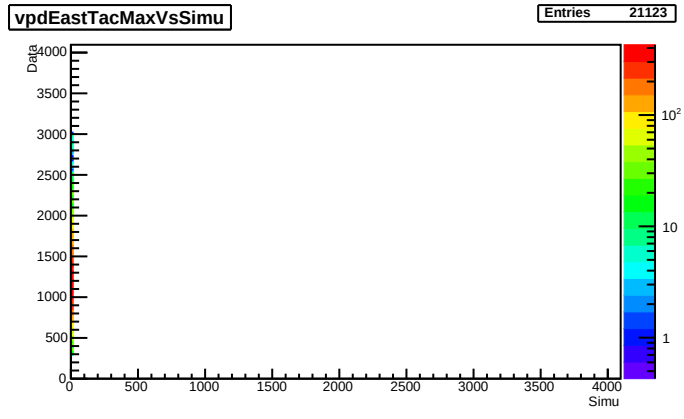

epdWestNHits
Entries 34521

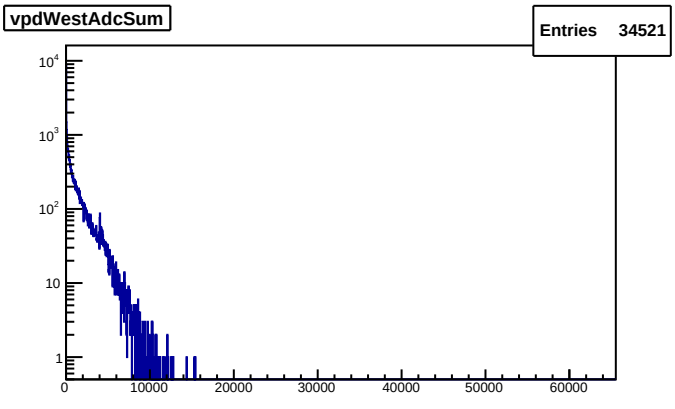

epdWestNHitsVsSimu
Entries 0
Data
Simu

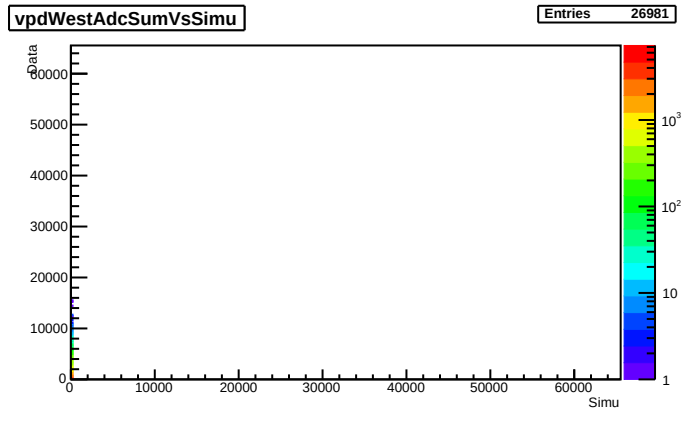

vpdEastAdcSum
Entries 34521

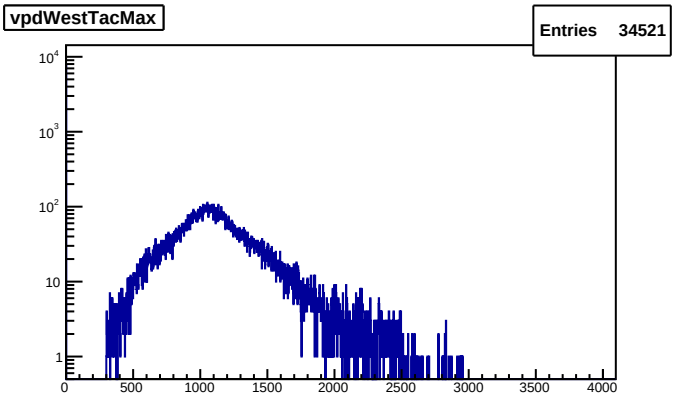

vpdEastAdcSumVsSimu
Entries 21123
Data
Simu

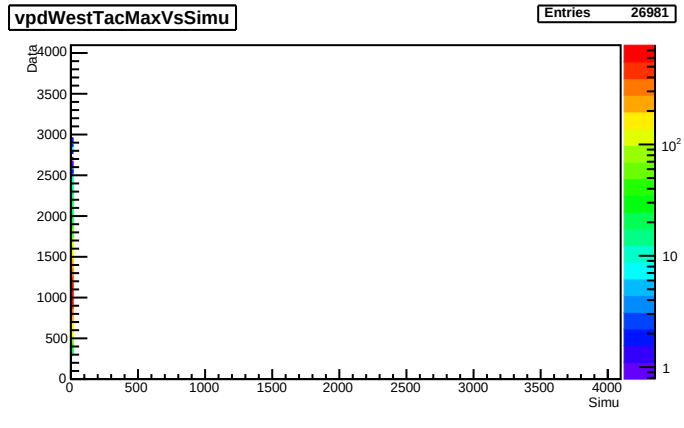

vpdEastTacMax
Entries 34521

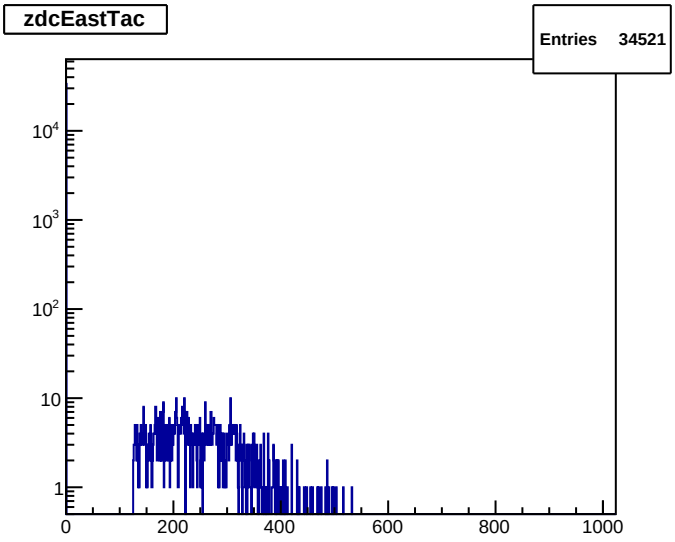

vpdEastTacMaxVsSimu
Entries 21123
Data
Simu

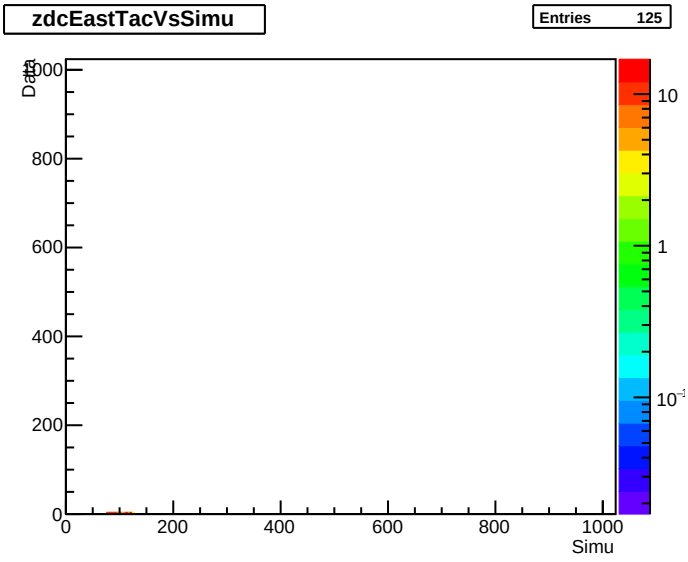

vpdWestAdcSum
Entries 34521

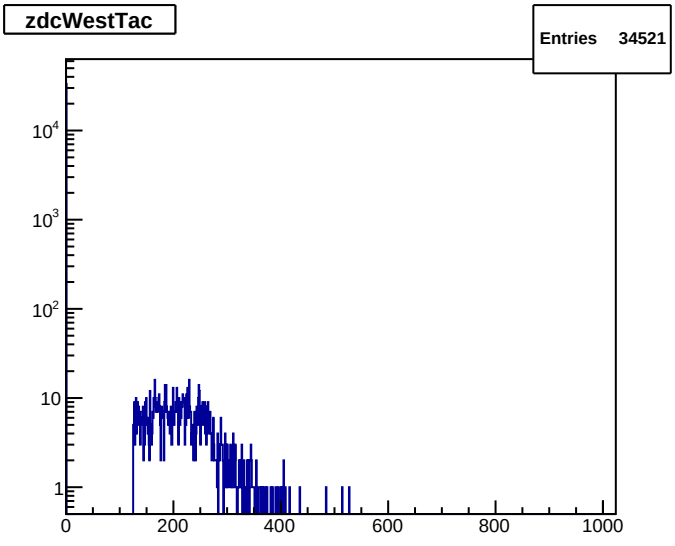

vpdWestAdcSumVsSimu
Entries 26981
Data
Simu

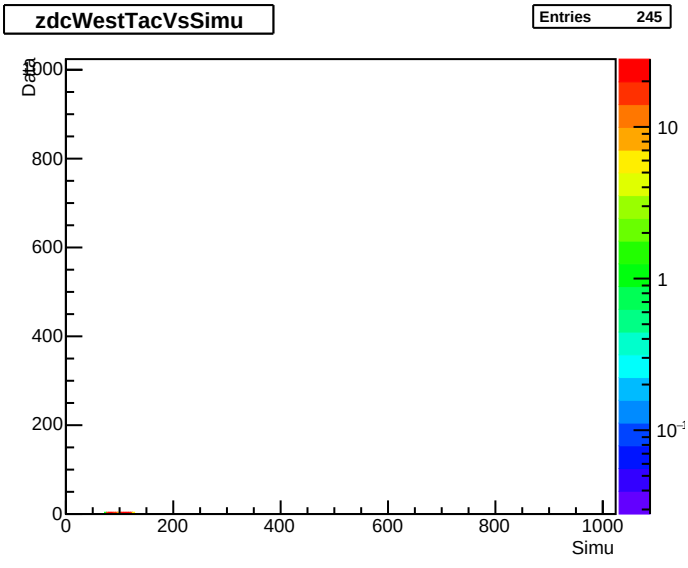

vpdWestTacMax
Entries 34521

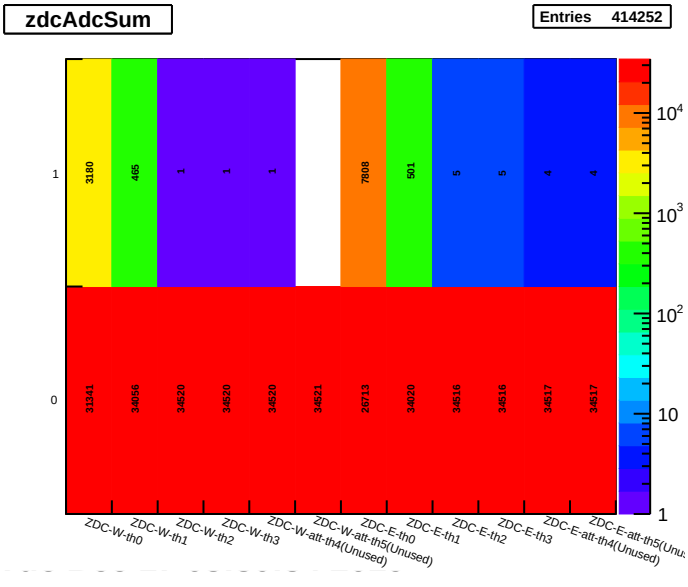

vpdWestTacMaxVsSimu
Entries 26981
Data
Simu

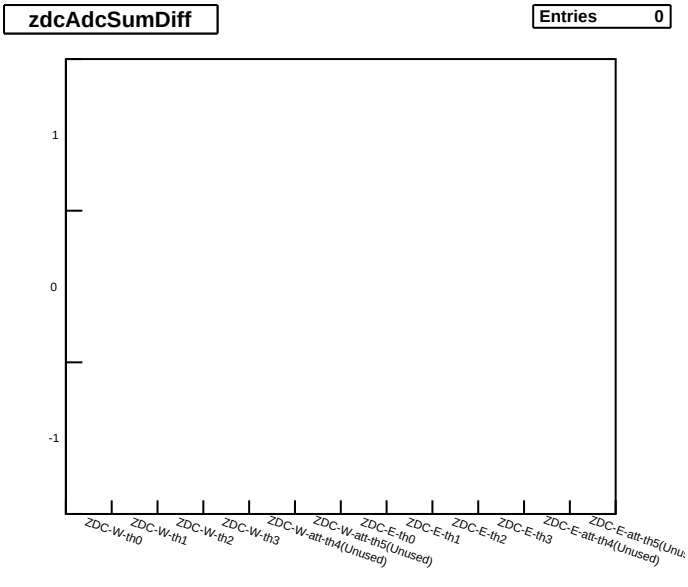

zdcEastTac
Entries 34521
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

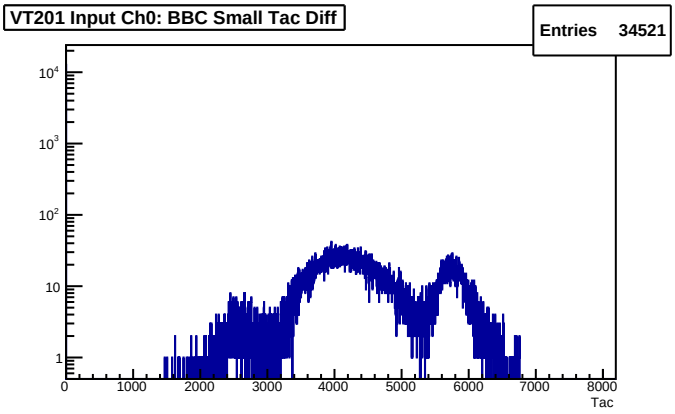

zdcEastTacVsSimu
Entries 125
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

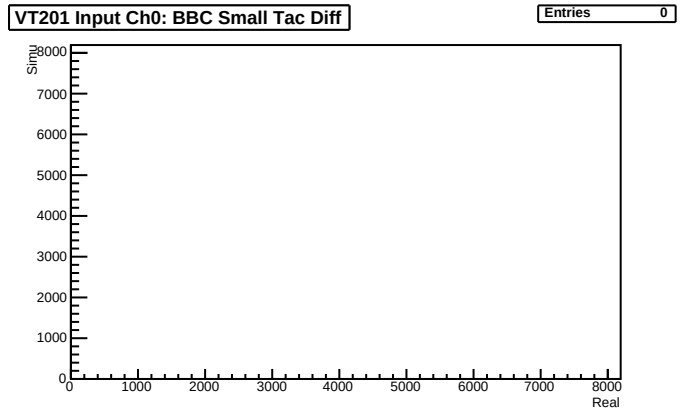

zdcWestTac
Entries 34521
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

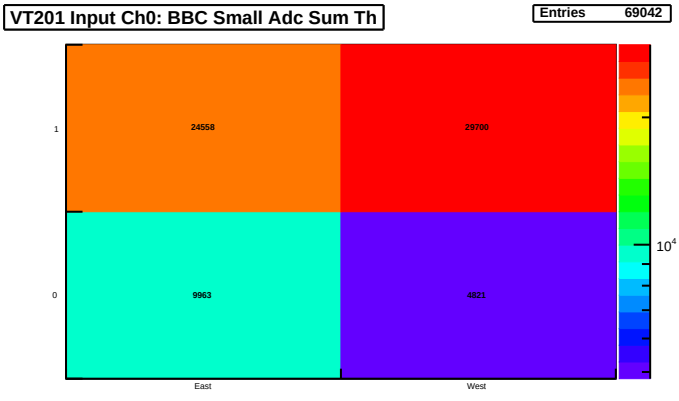

zdcWestTacVsSimu
Entries 245
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

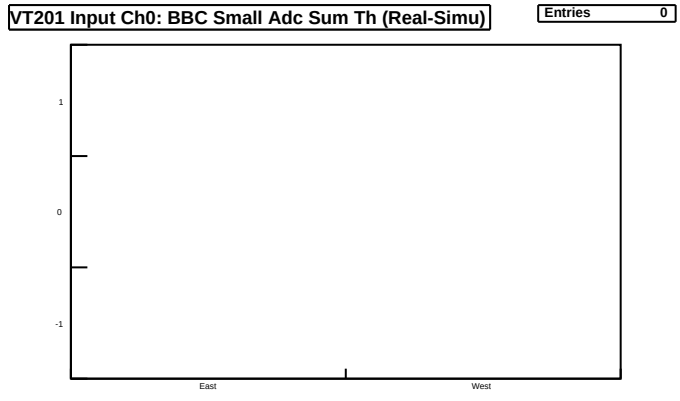

zdcAdcSum
Entries 414252
1
0
3180
465
1
1
1
7808
501
5
5
4
4
31341
34056
34520
34520
34520
34521
26713
34020
34516
34516
34517
34517
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

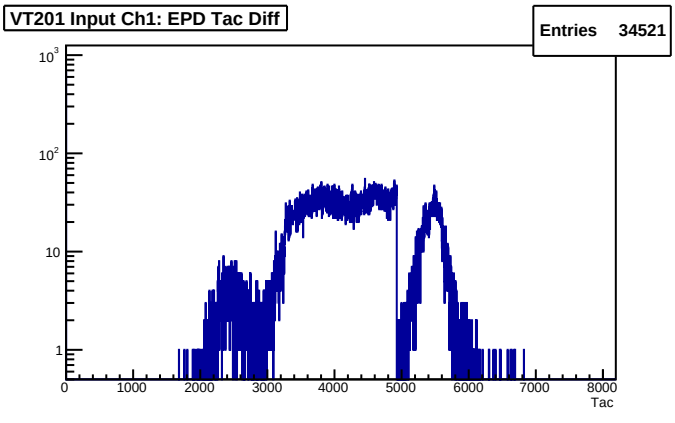

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

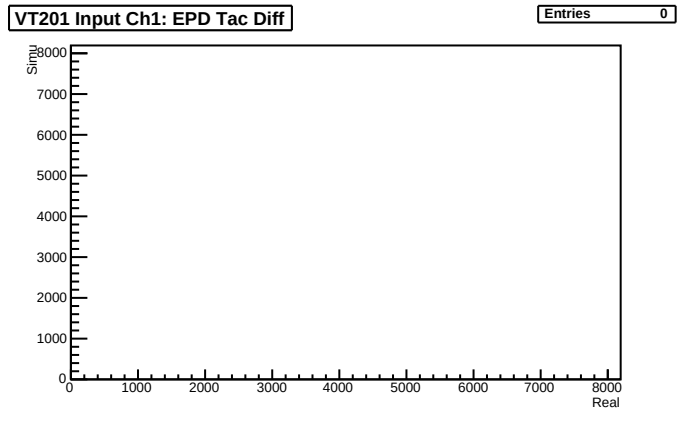

VT201 Input Ch0: BBC Small Tac Diff
Entries 34521
Tac

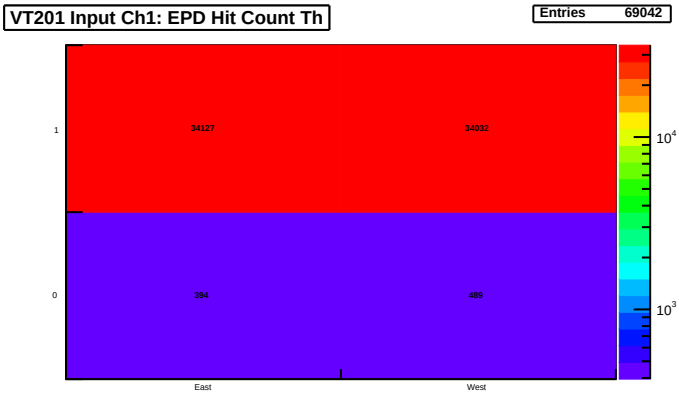

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

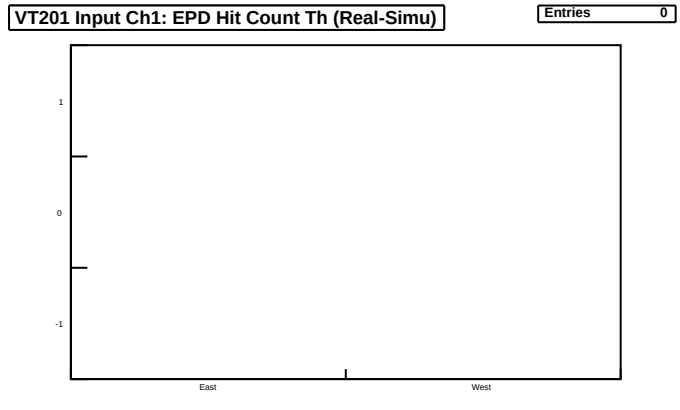

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 69042
24558
29700
9963
4821
East
West

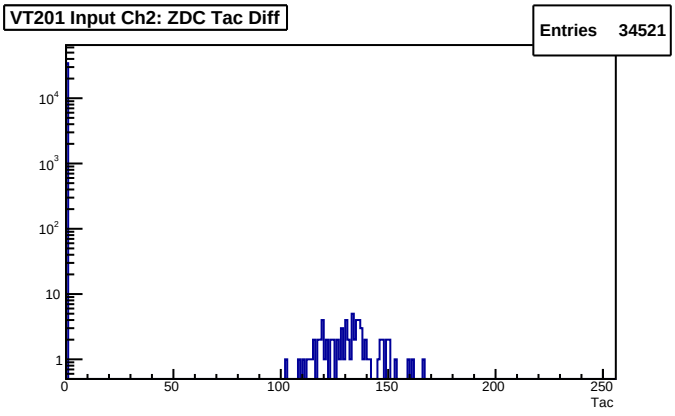

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

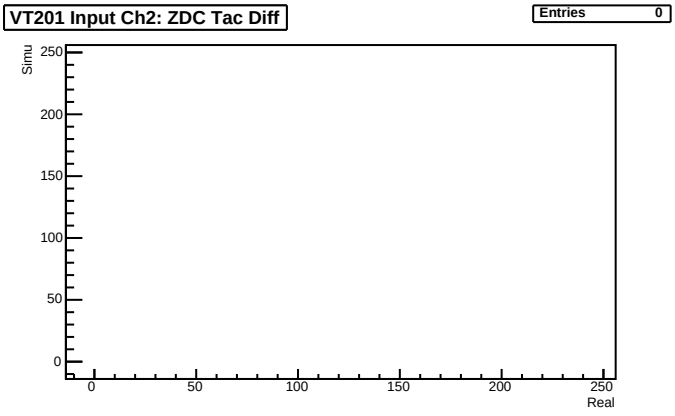

VT201 Input Ch1: EPD Tac Diff
Entries 34521
Tac

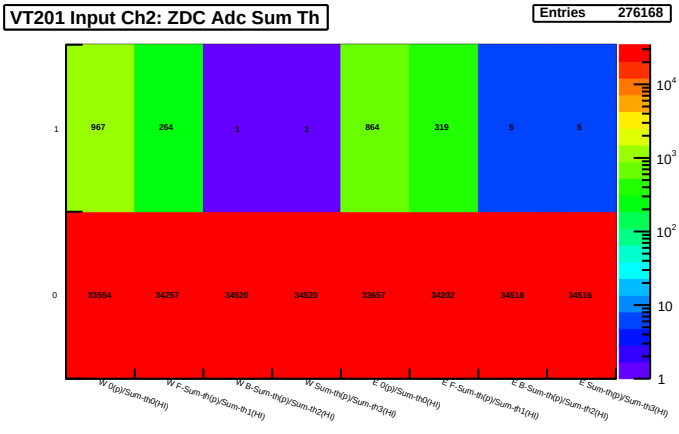

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

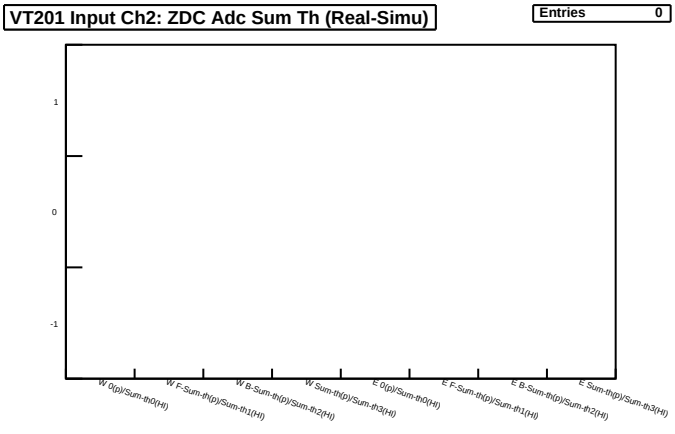

VT201 Input Ch1: EPD Hit Count Th
Entries 69042
34127
34032
394
489
East
West

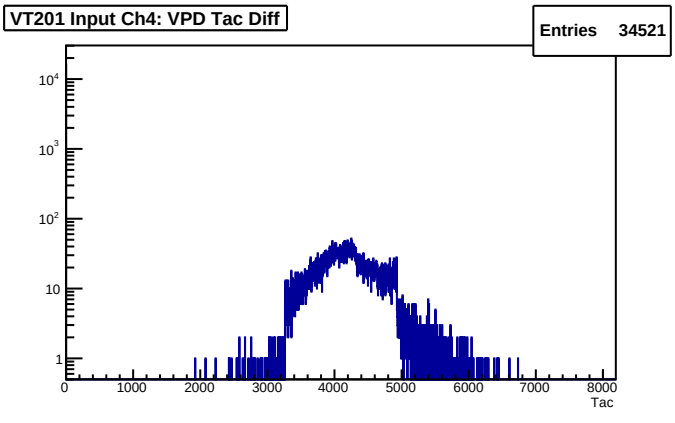

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

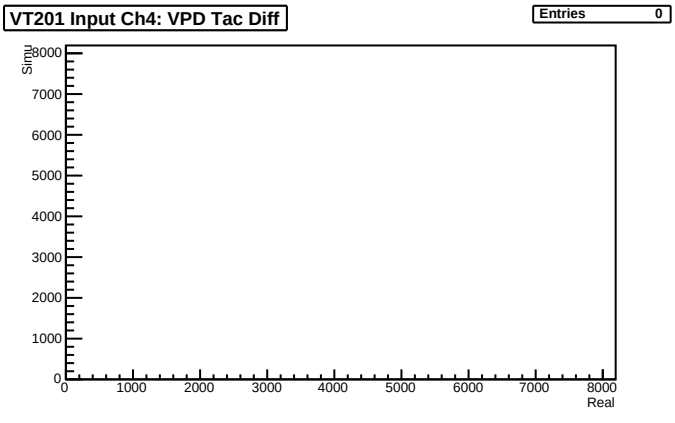

VT201 Input Ch2: ZDC Tac Diff
Entries 34521
Tac

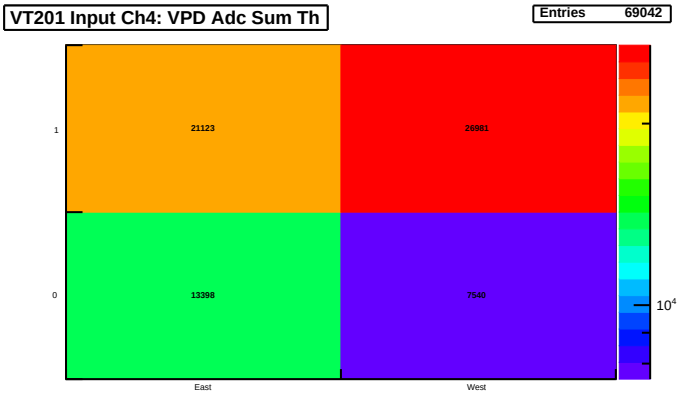

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

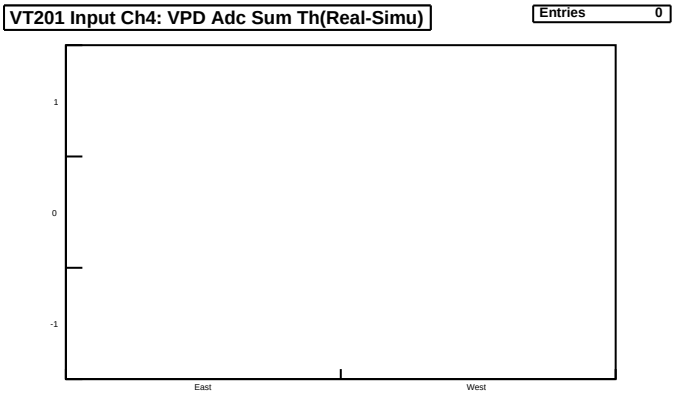

VT201 Input Ch2: ZDC Adc Sum Th
Entries 276168
967
264
1
1
864
319
5
5
33554
34257
34520
34520
33657
34202
34516
34516
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

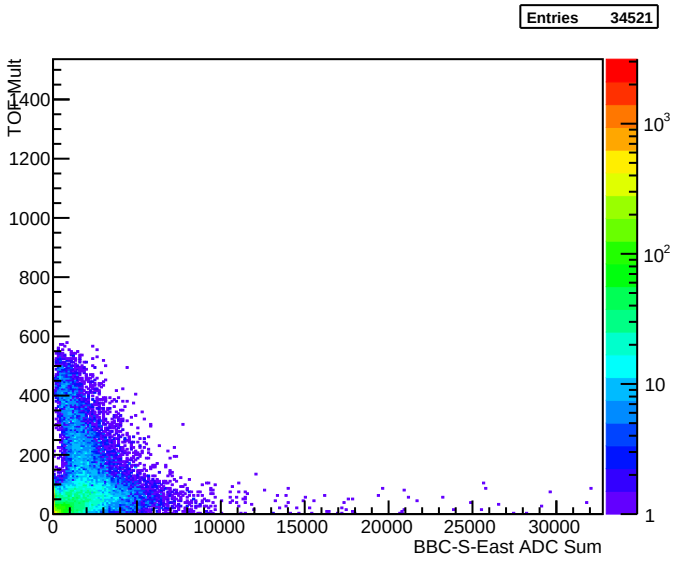

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

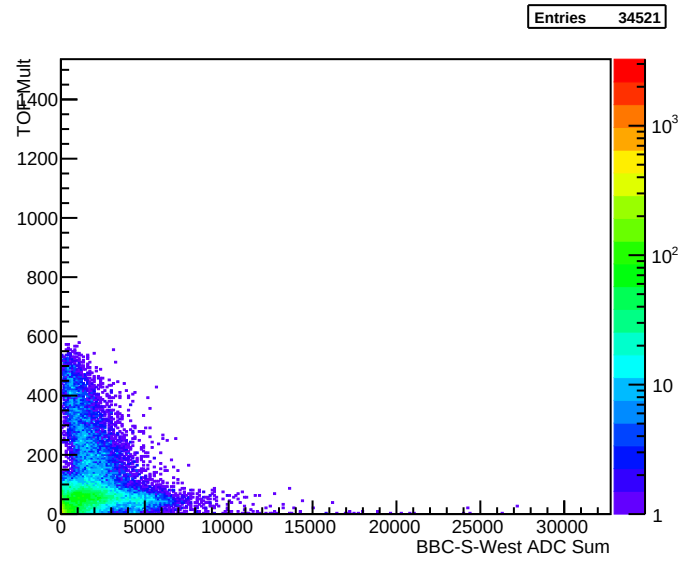

VT201 Input Ch4: VPD Tac Diff
Entries 34521
Tac

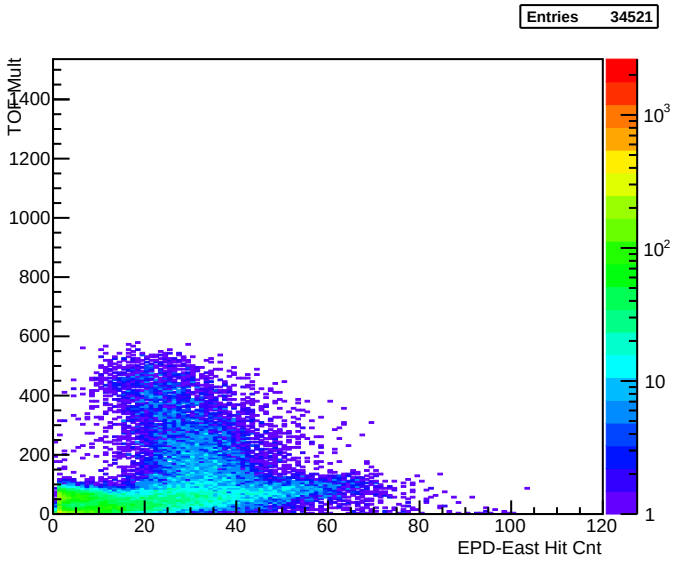

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

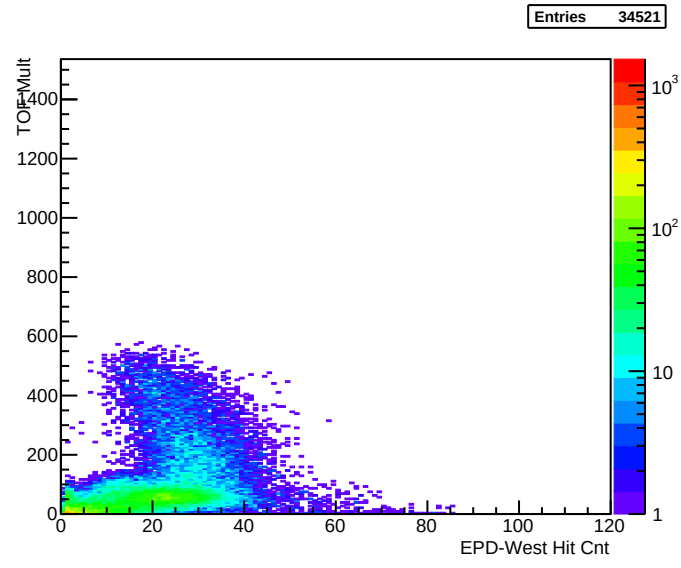

VT201 Input Ch4: VPD Adc Sum Th
Entries 69042
21123
26981
13398
7540
East
West

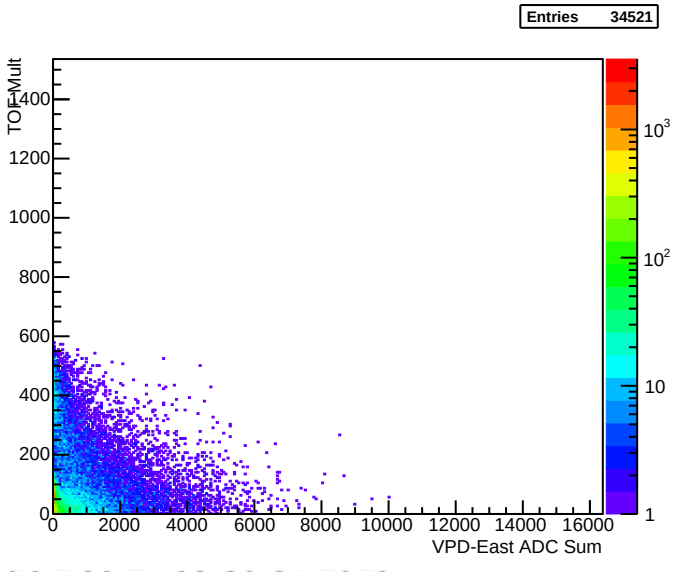

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

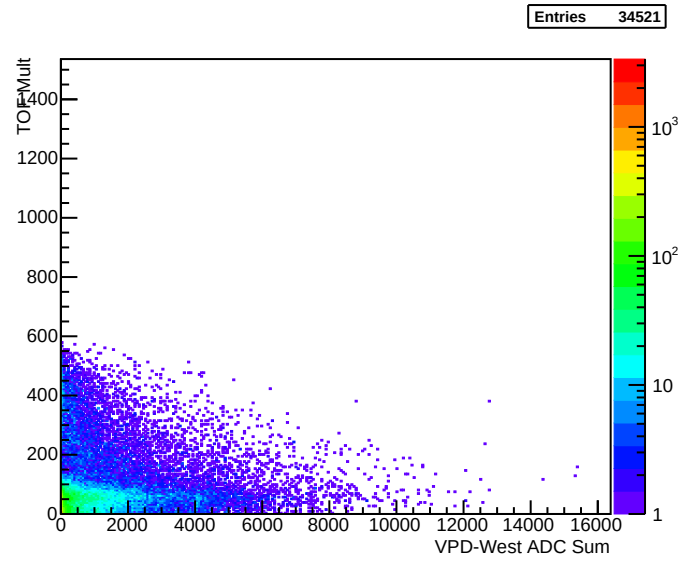

Entries 34521
TOF-Mult
BBC-S-East ADC Sum

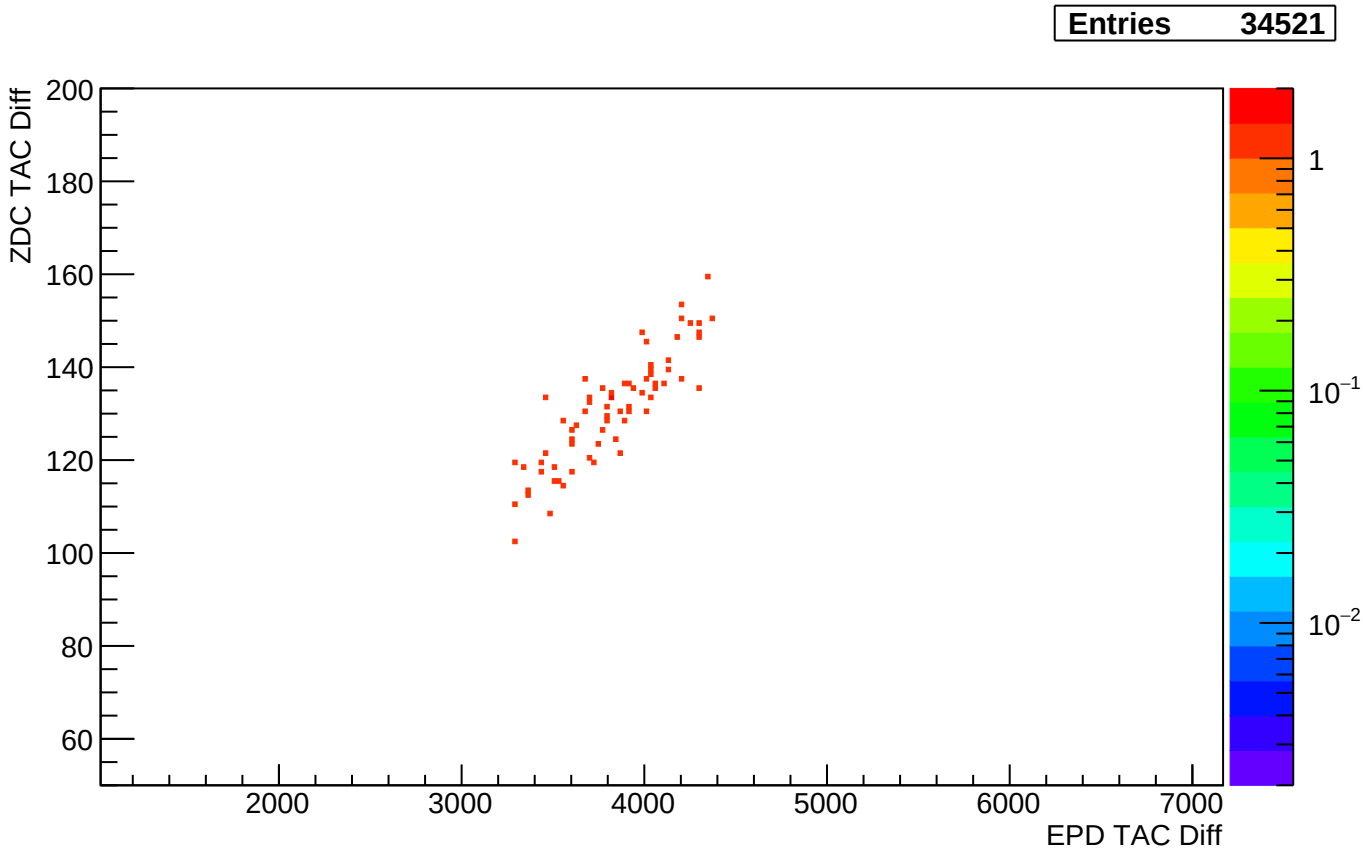

Entries 34521
TOF-Mult
BBC-S-West ADC Sum

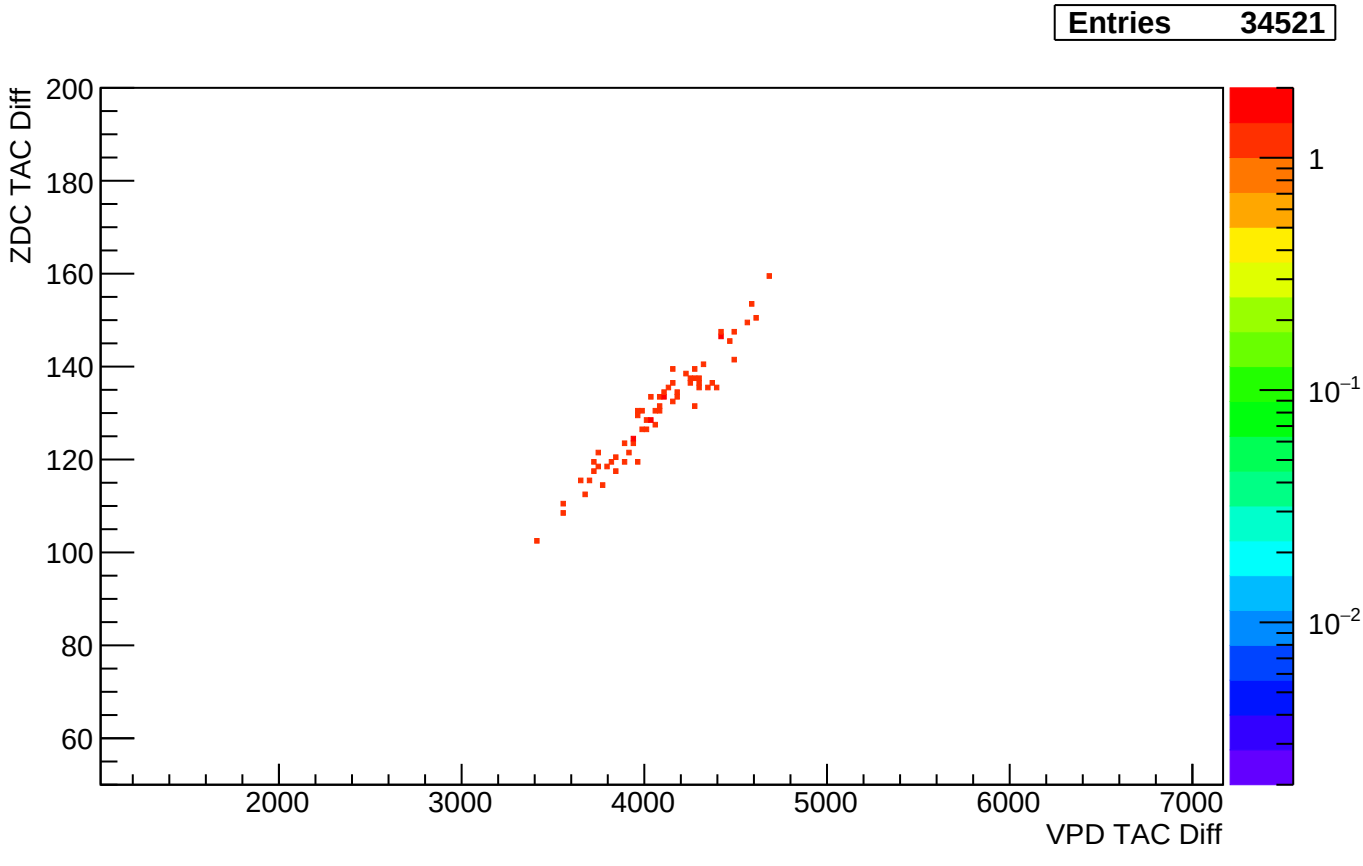

Entries 34521
TOF-Mult
EPD-East Hit Cnt

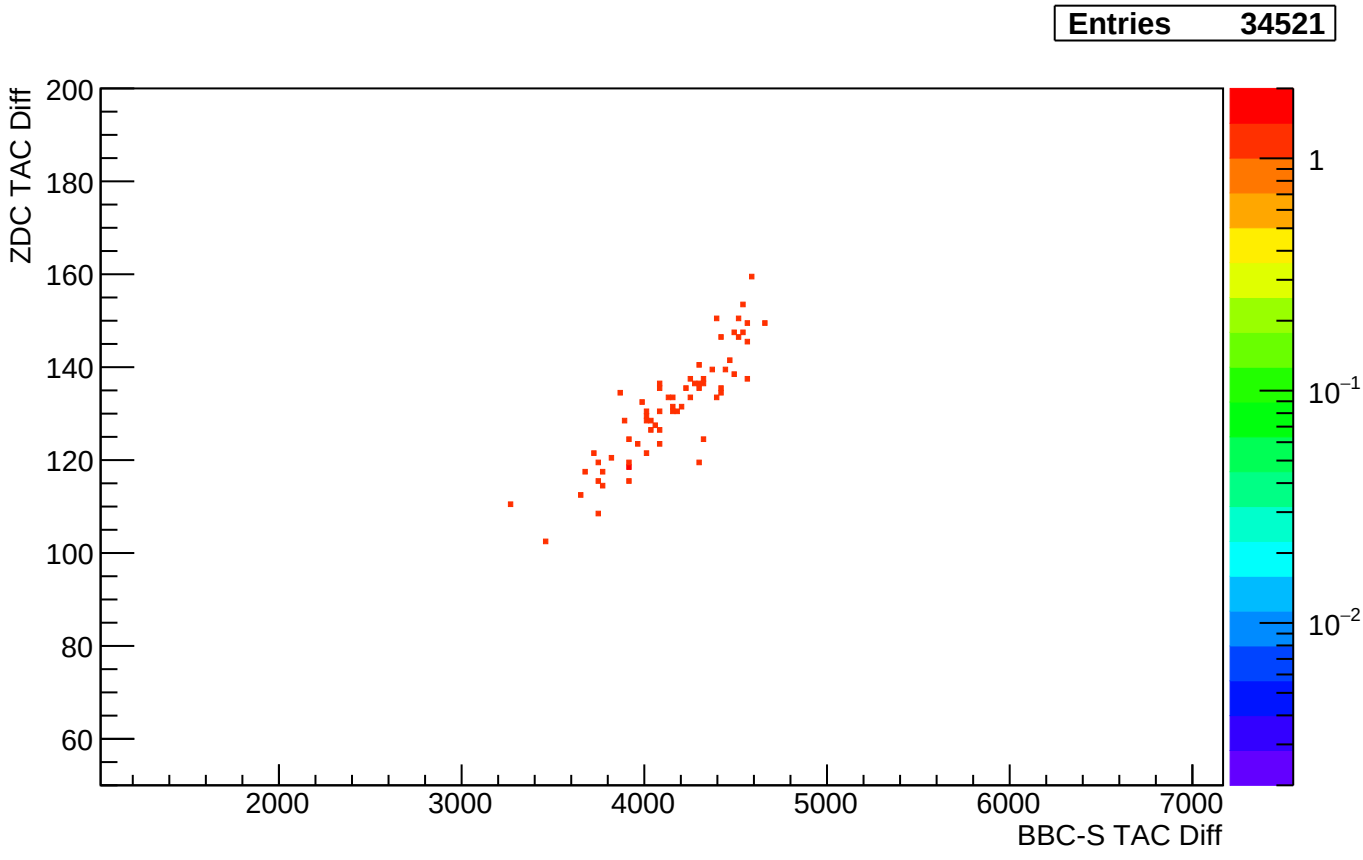

Entries 34521
TOF-Mult
EPD-West Hit Cnt

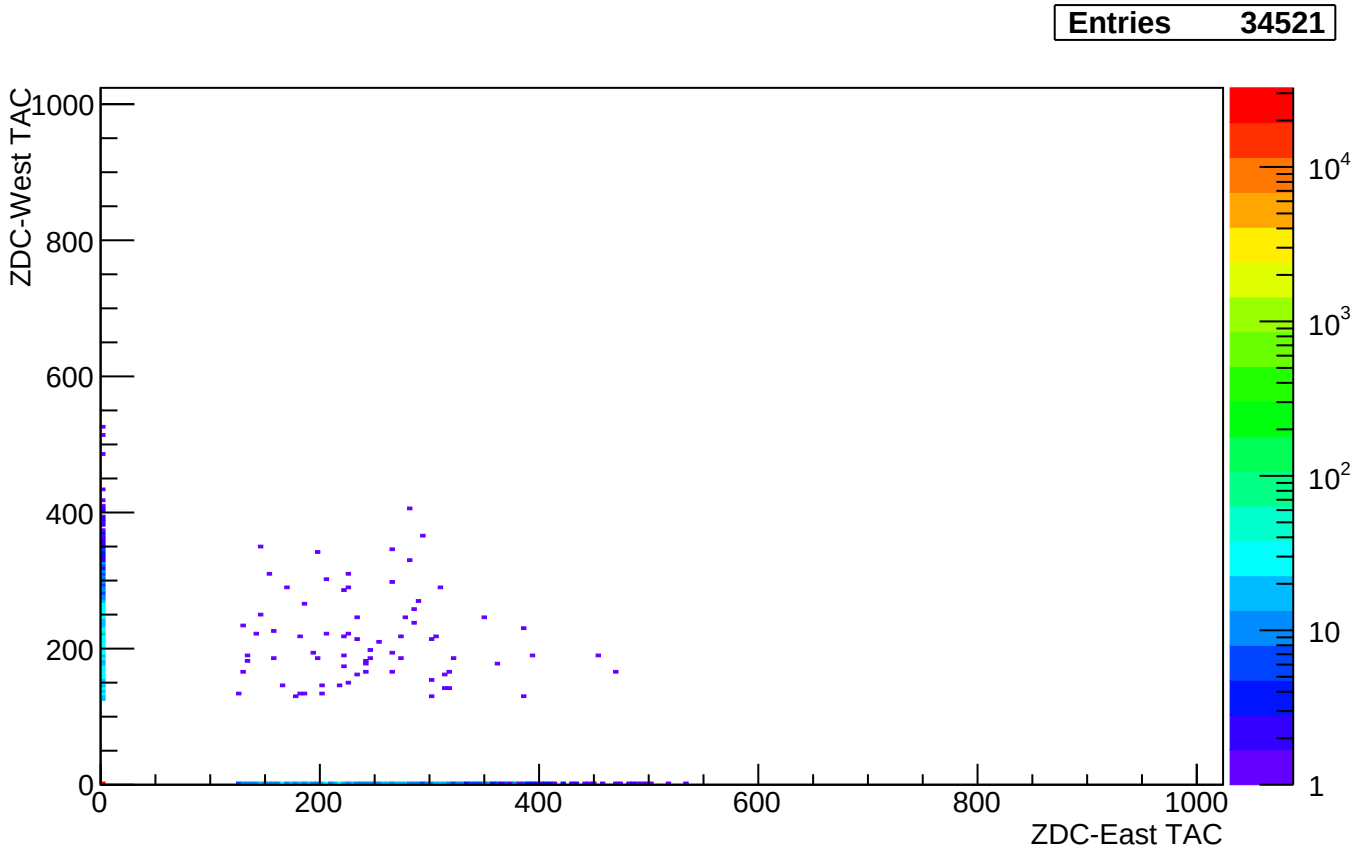

Entries 34521
TOF-Mult
VPD-East ADC Sum

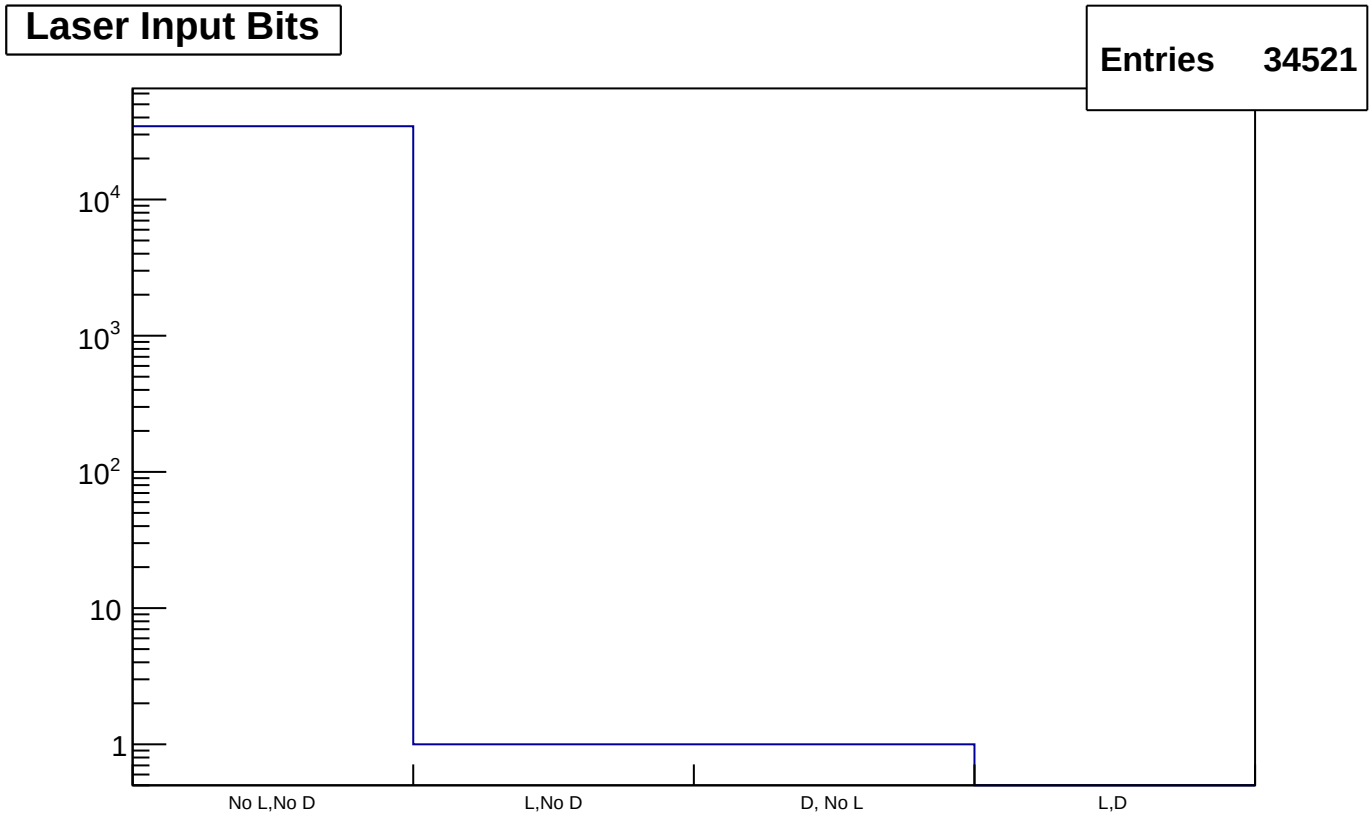

Entries 34521
TOF-Mult
VPD-West ADC Sum

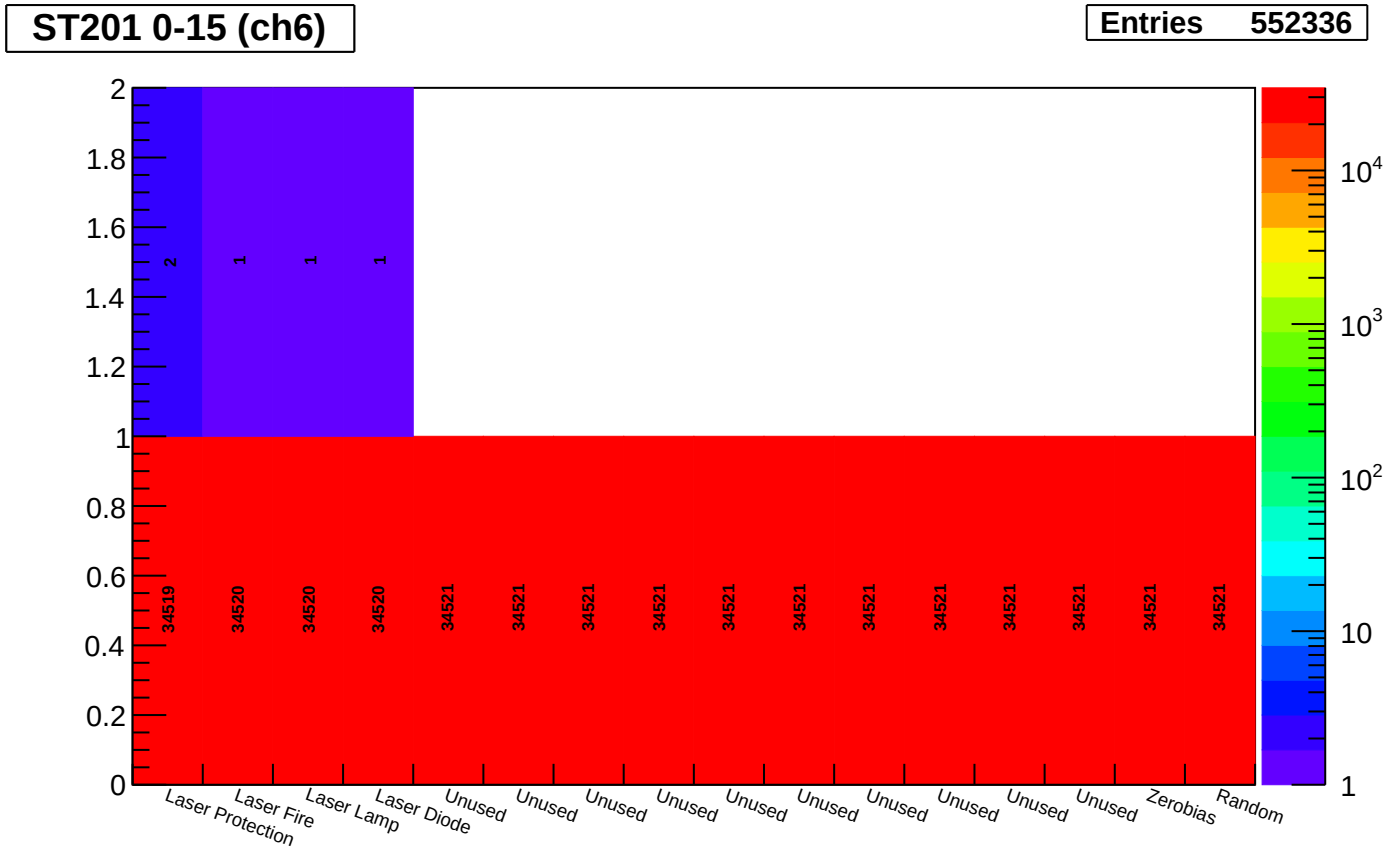

Entries 34521
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

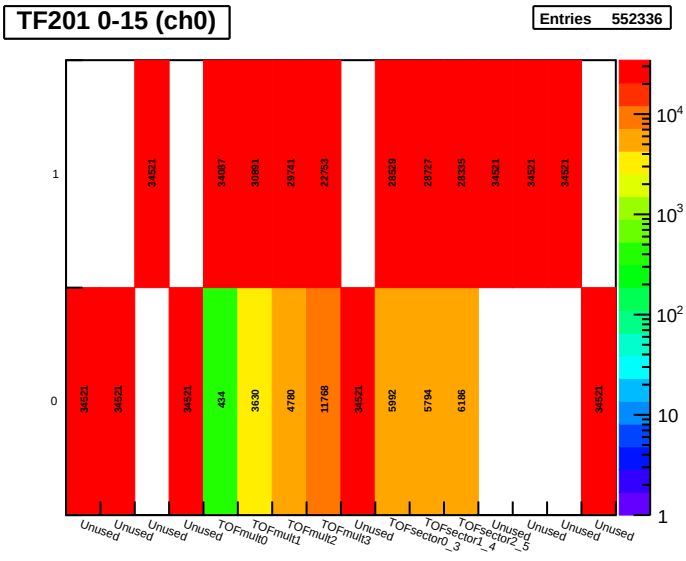

Entries 34521
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

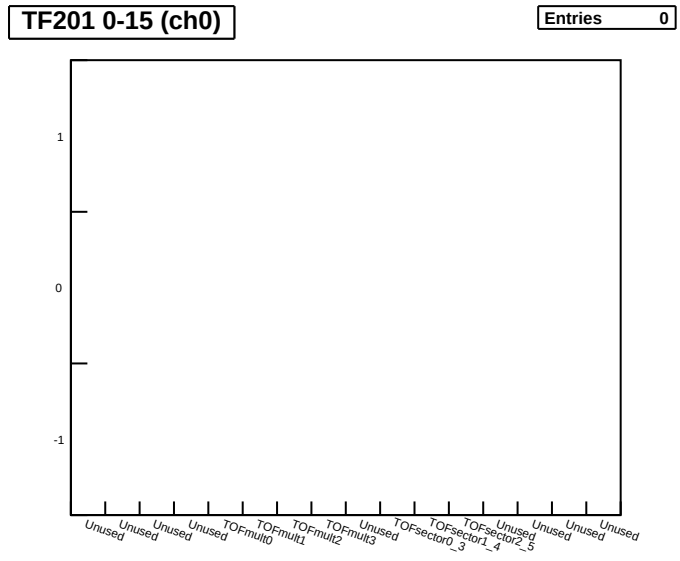

Entries 34521
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

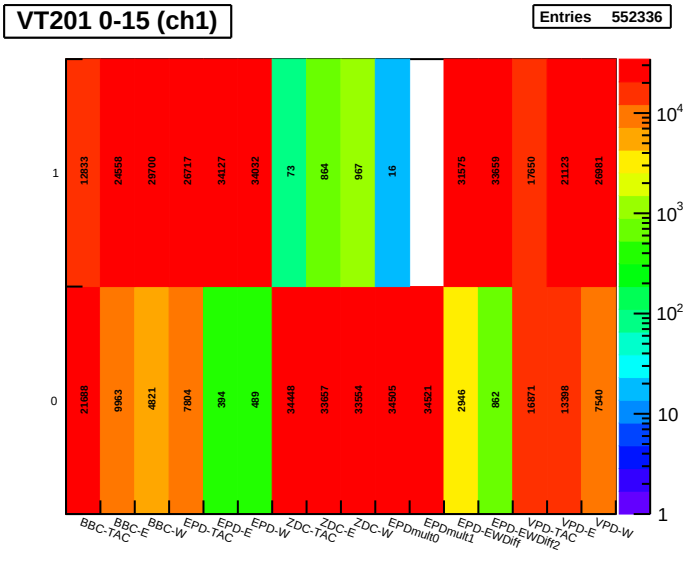

Entries 34521
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

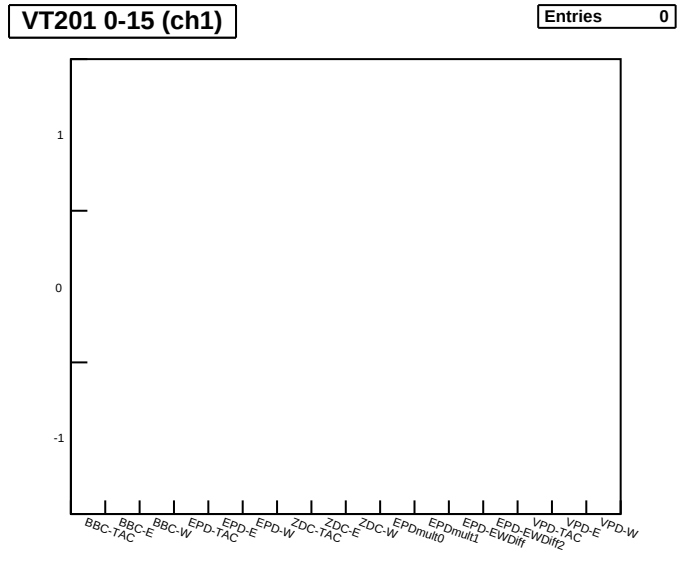

Laser Input Bits
Entries 34521
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

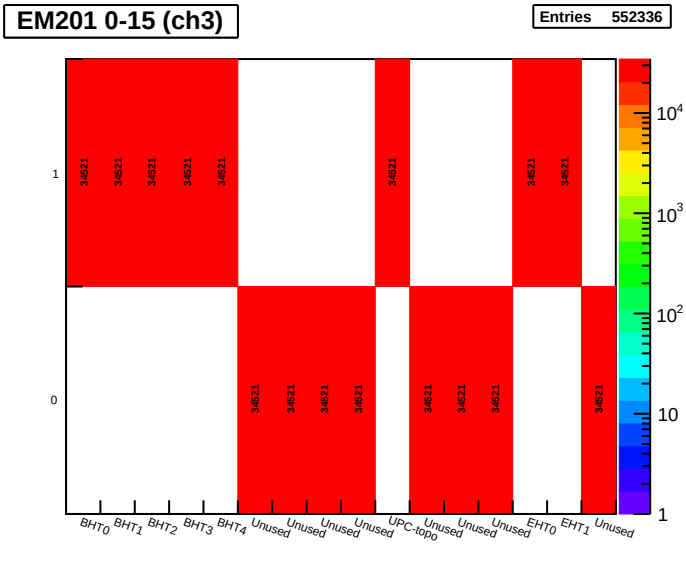

ST201 0-15 (ch6)
Entries 552336
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2
1
1
1
34519
34520
34520
34520
34521
34521
34521
34521
34521
34521
34521
34521
34521
34521
34521
34521
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

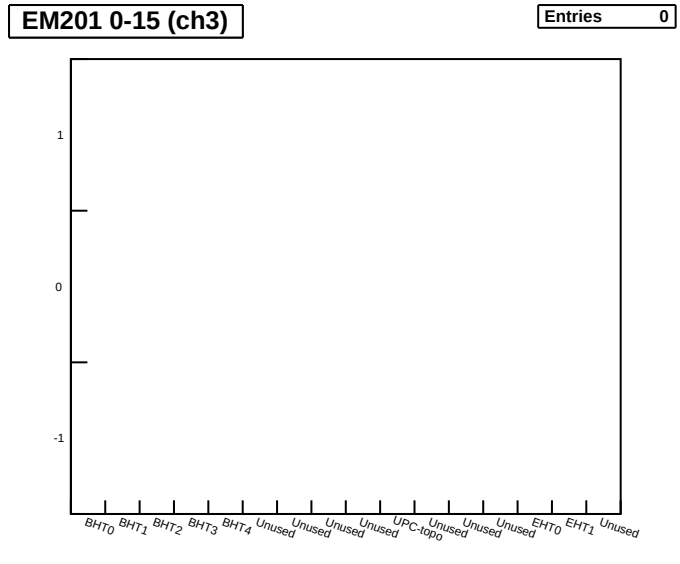

TF201 0-15 (ch0)
Entries 552336
1
0
34521 34087 30891 29741 22753 28529 28727 28335 34521 34521 34521
34521 34521 34521 434 3630 4780 11768 34521 5992 5794 6186 34521
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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


VT201 0-15 (ch1)
Entries 552336
1
0
12833 26558 29700 26717 34127 34032 73 864 967 16 31575 35659 17650 21123 28981
21688 9963 4021 7804 394 489 34448 33657 33554 34505 34521 2946 862 16871 13398 7540
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
10^4
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 552336
1
0
34521 34521 34521 34521 34521 34521 34521 34521
34521 34521 34521 34521 34521 34521 34521 34521
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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