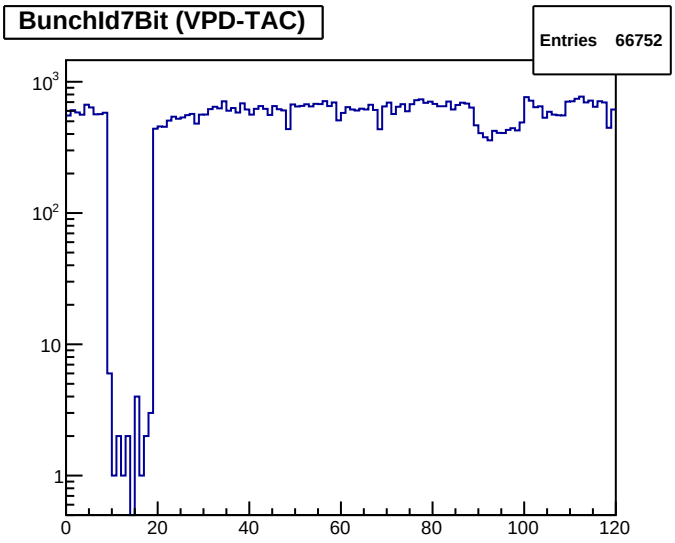
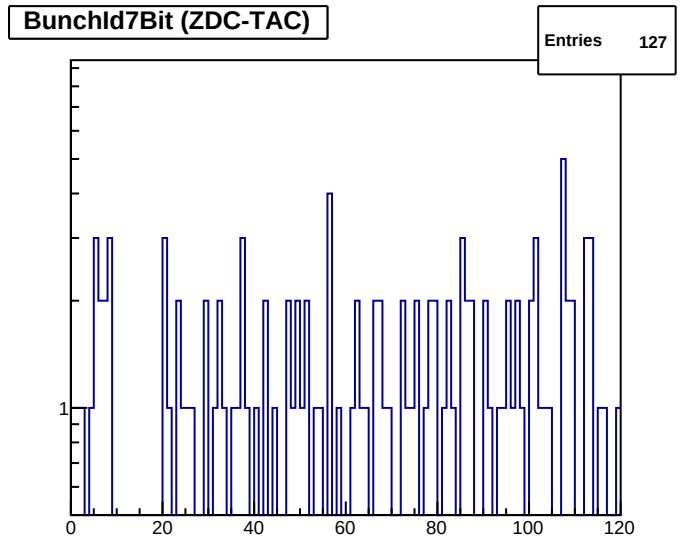
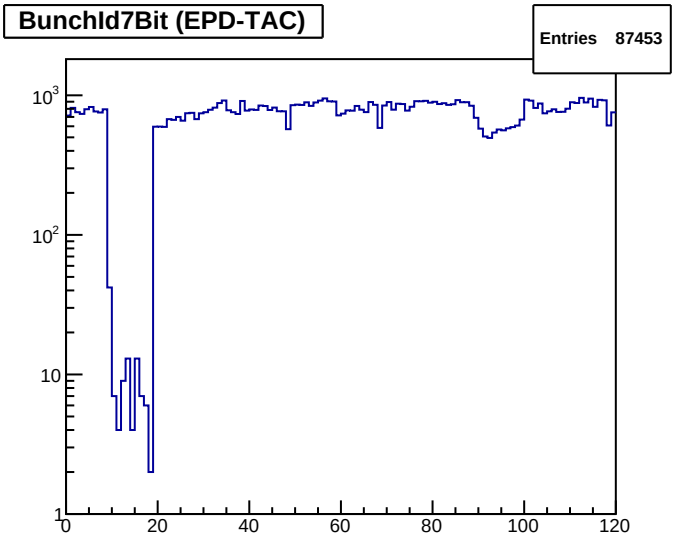
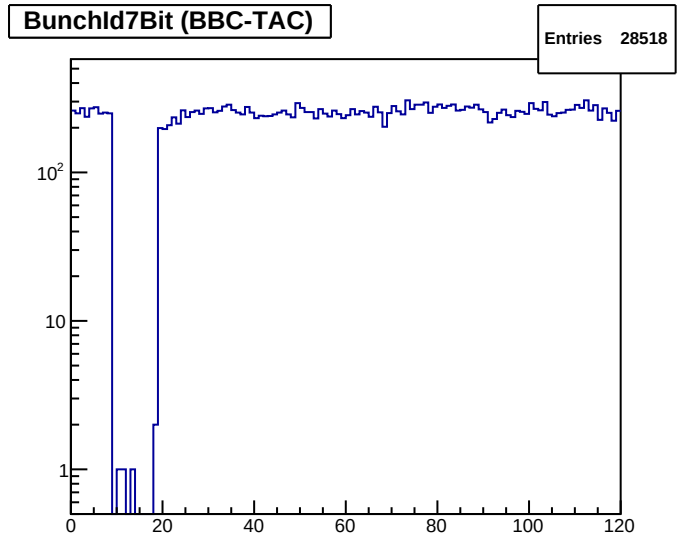
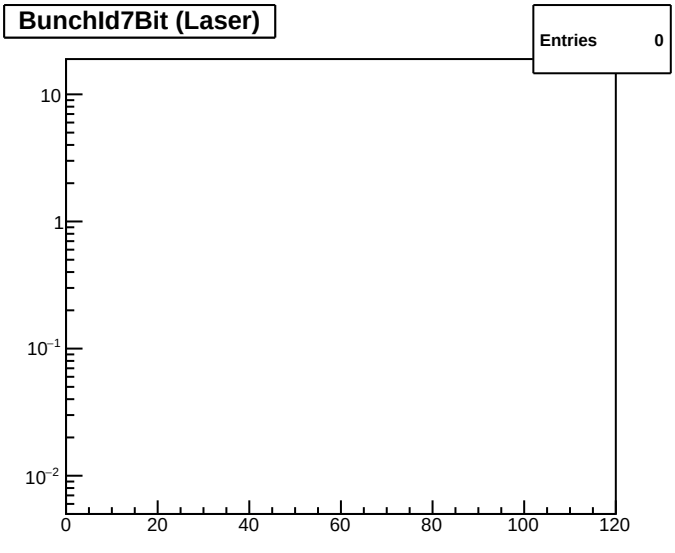
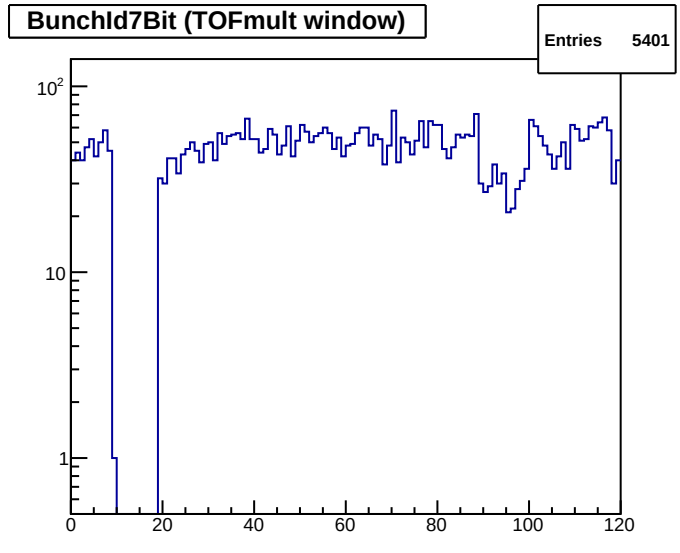

BunchId7Bit (VPD-TAC)
Entries 66752
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

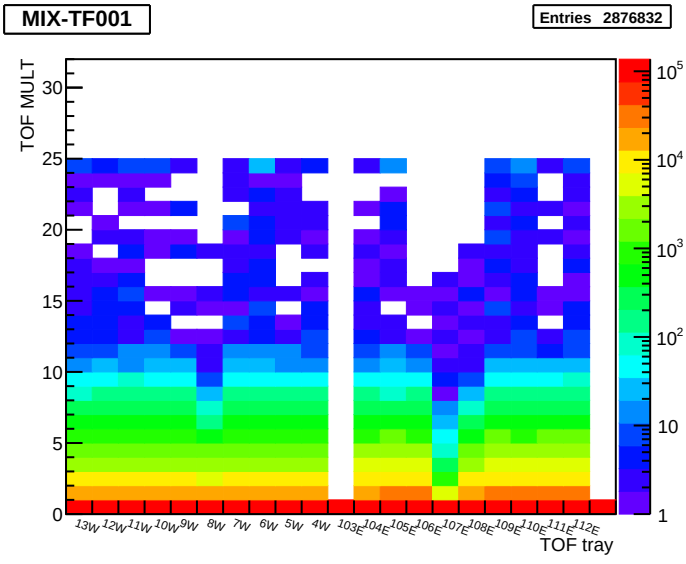

BunchId7Bit (ZDC-TAC)
Entries 127
1
0
20
40
60
80
100
120

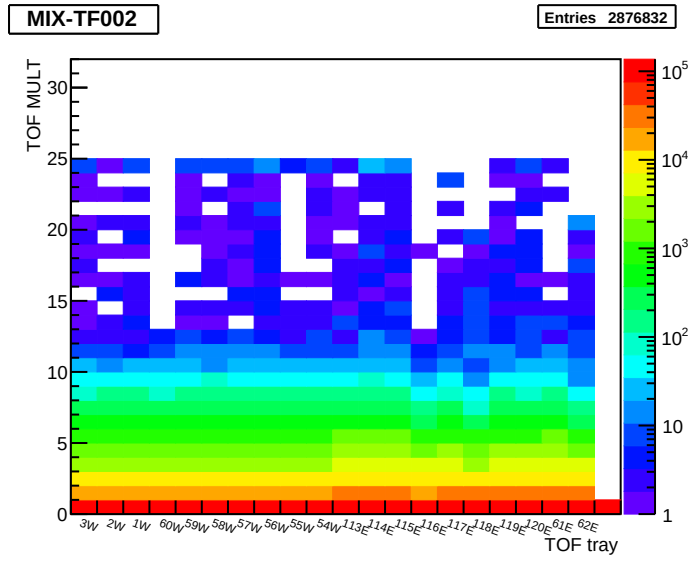

BunchId7Bit (EPD-TAC)
Entries 87453
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

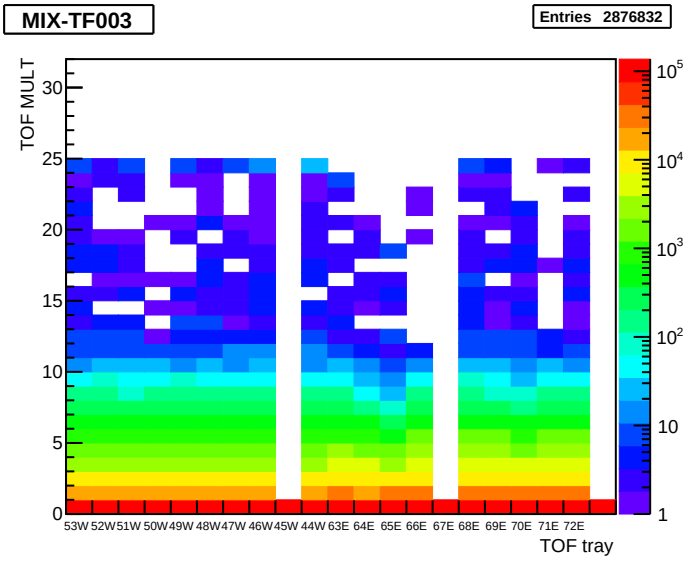

BunchId7Bit (BBC-TAC)
Entries 28518
$10^2$
10
1
0
20
40
60
80
100
120

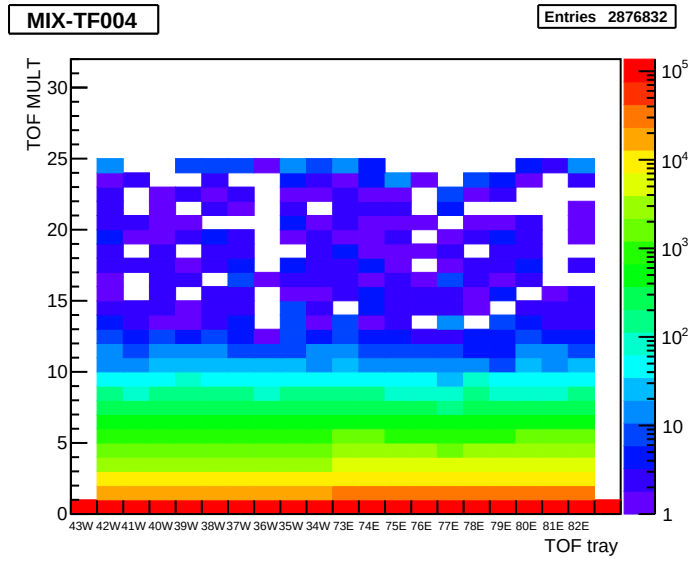

BunchId7Bit (Laser)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0
20
40
60
80
100
120

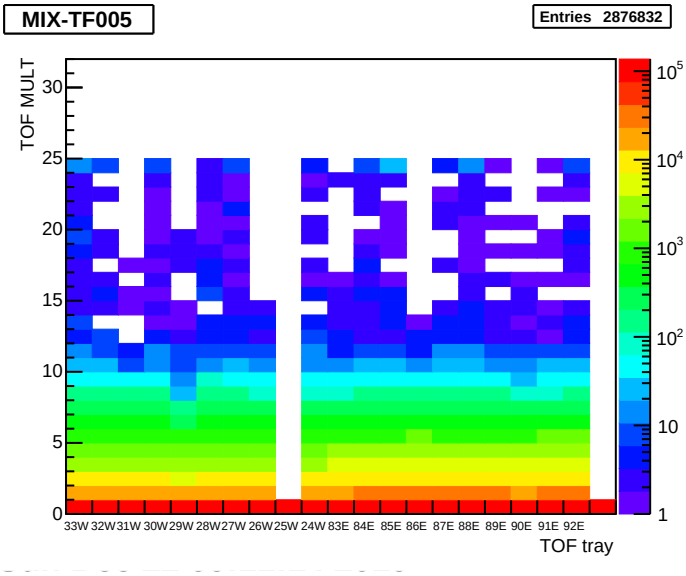

BunchId7Bit (TOFmult window)
Entries 5401
$10^2$
10
1
0
20
40
60
80
100
120

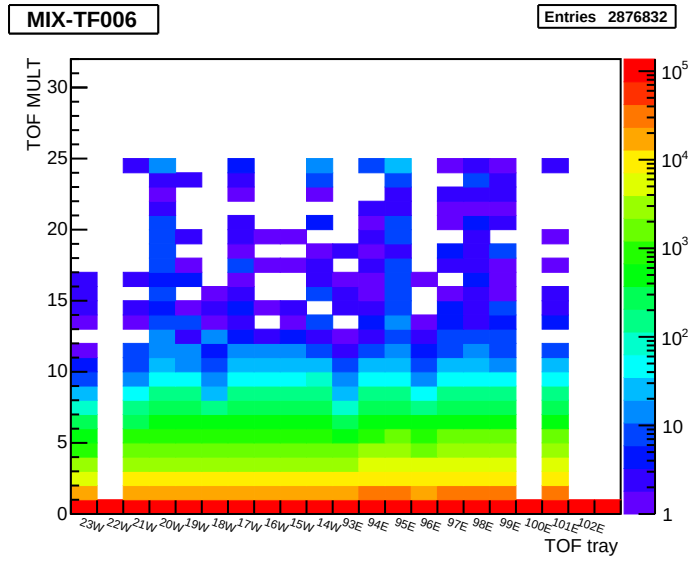

MIX-TF001
Entries 2876832
TOF MULT
TOF tray

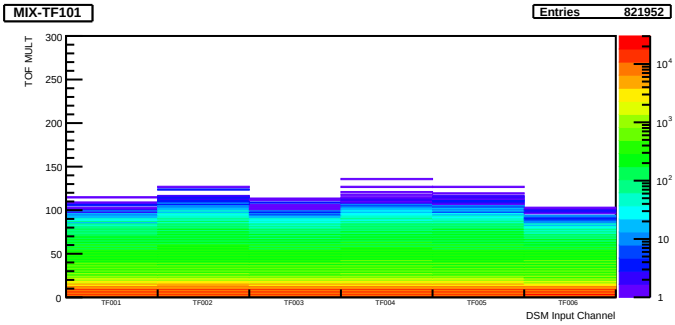

MIX-TF002
Entries 2876832
TOF MULT
TOF tray

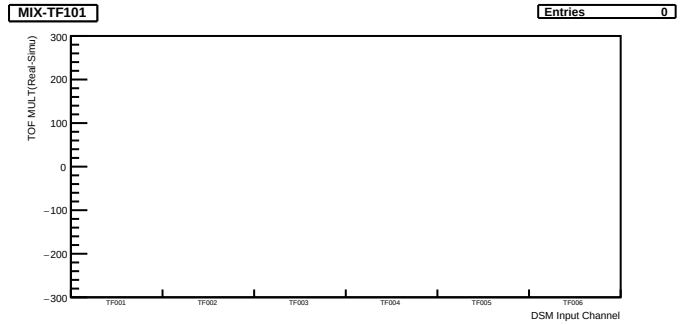

MIX-TF003
Entries 2876832
TOF MULT
TOF tray

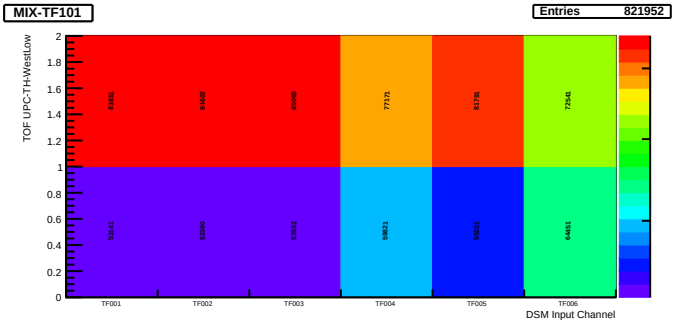

MIX-TF004
Entries 2876832
TOF MULT
TOF tray

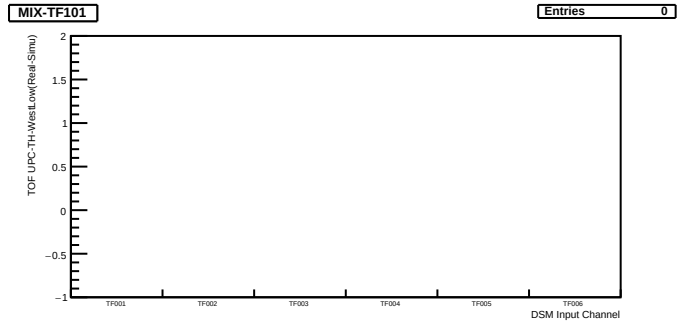

MIX-TF005
Entries 2876832
TOF MULT
TOF tray

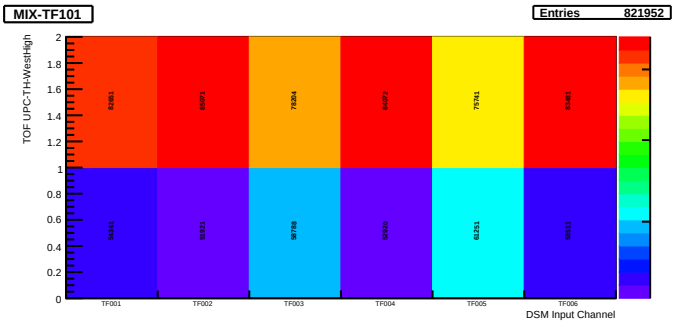

MIX-TF006
Entries 2876832
TOF MULT
TOF tray

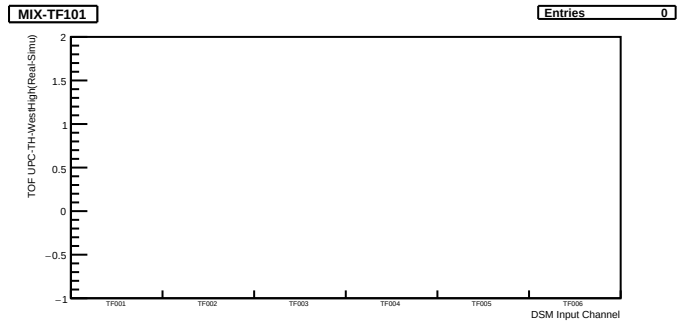

MIX-TF101
Entries 821952
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

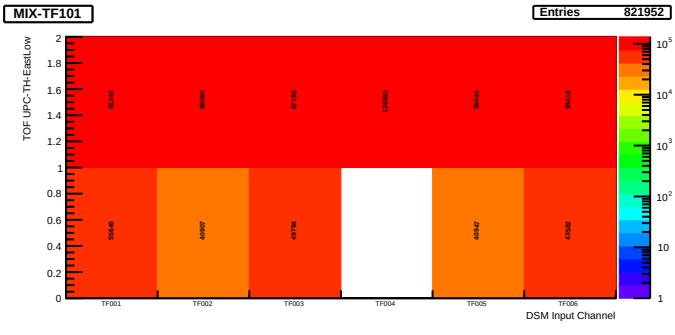

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

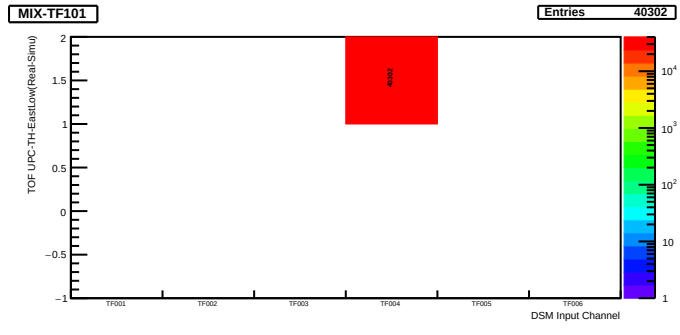

MIX-TF101
Entries 821952
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

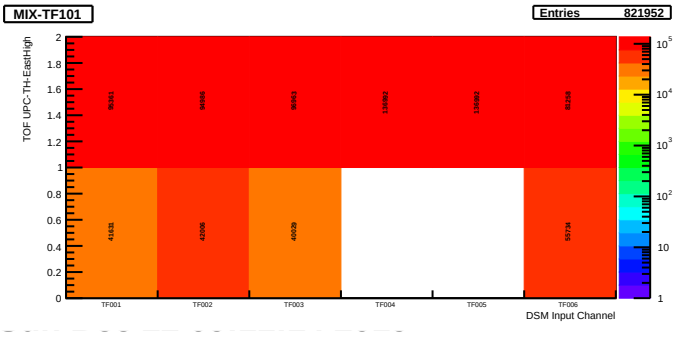

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

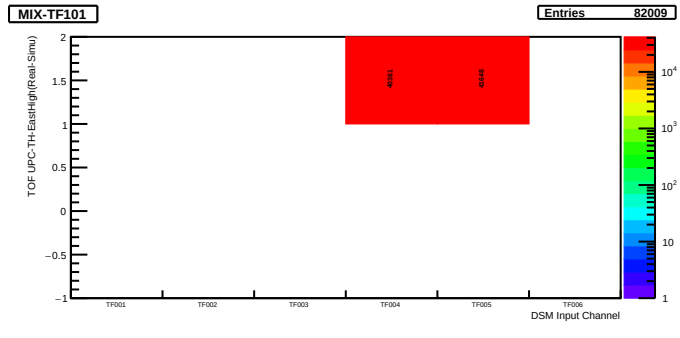

MIX-TF101
Entries 821952
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

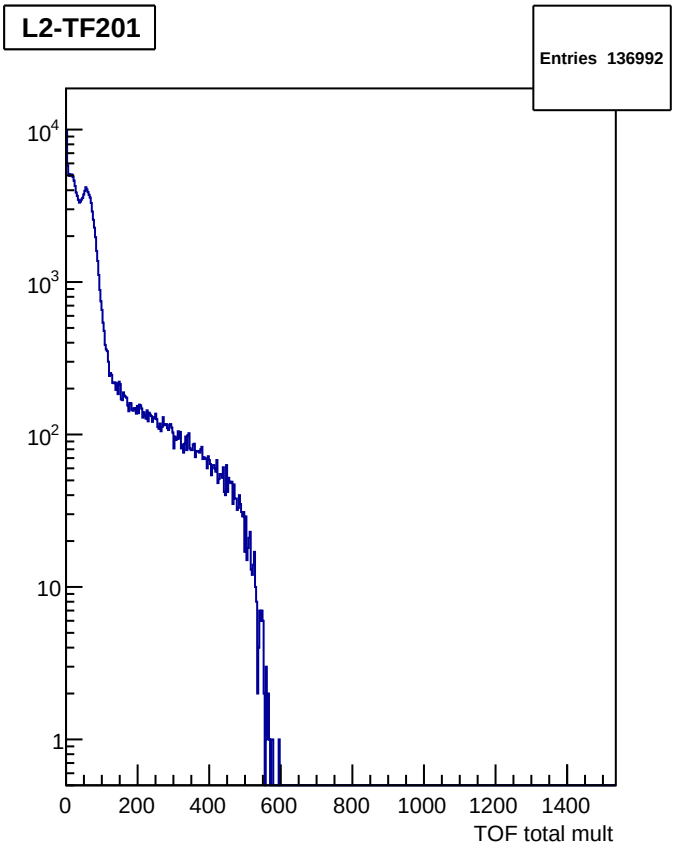

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

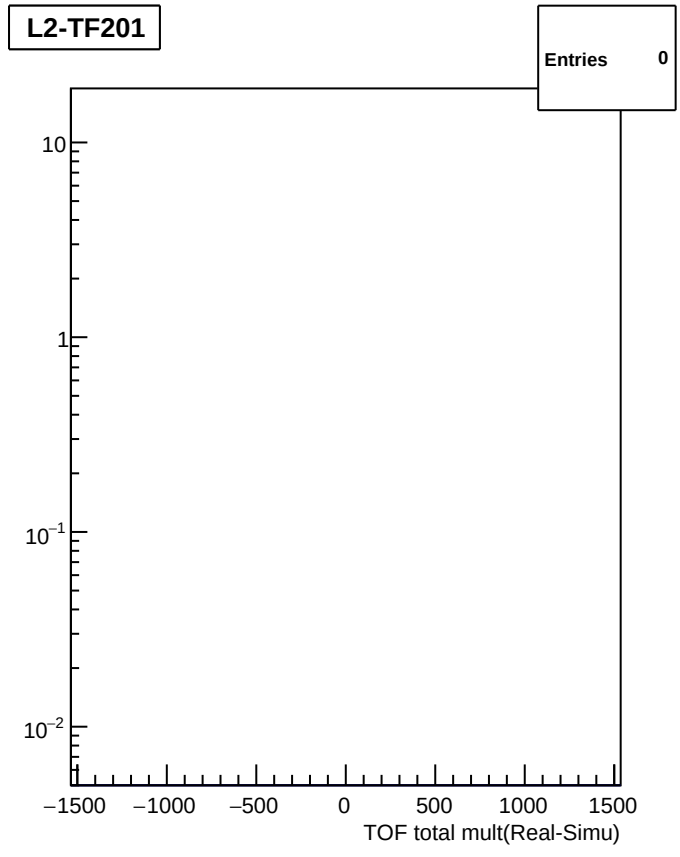

MIX-TF101
Entries 821952
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

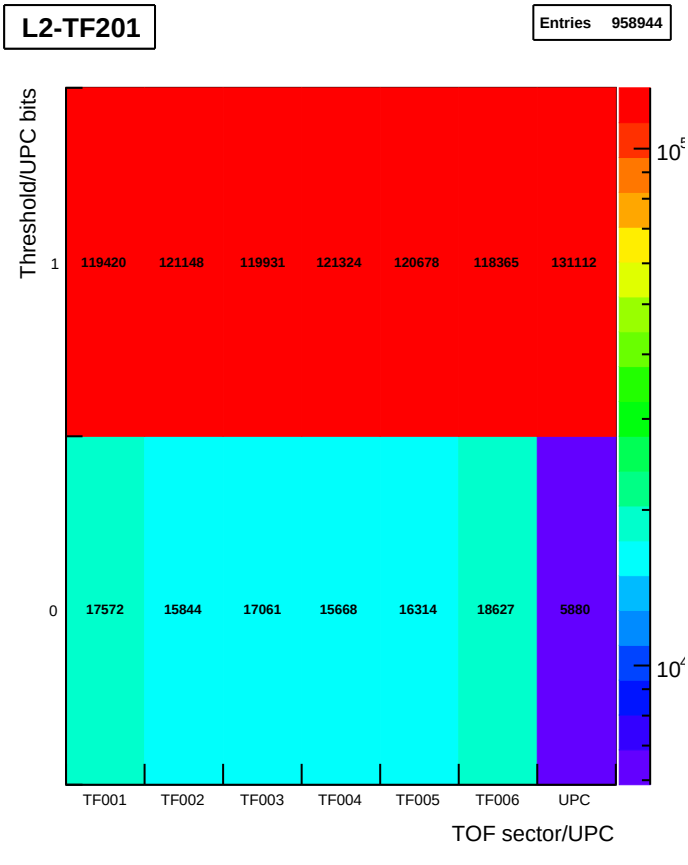

MIX-TF101
Entries 40302
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

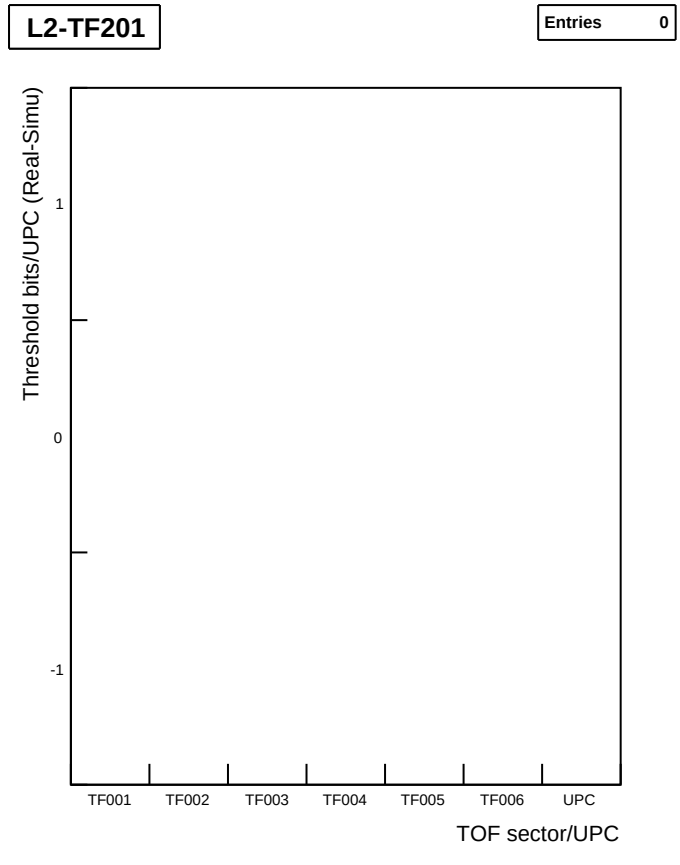

MIX-TF101
Entries 821952
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

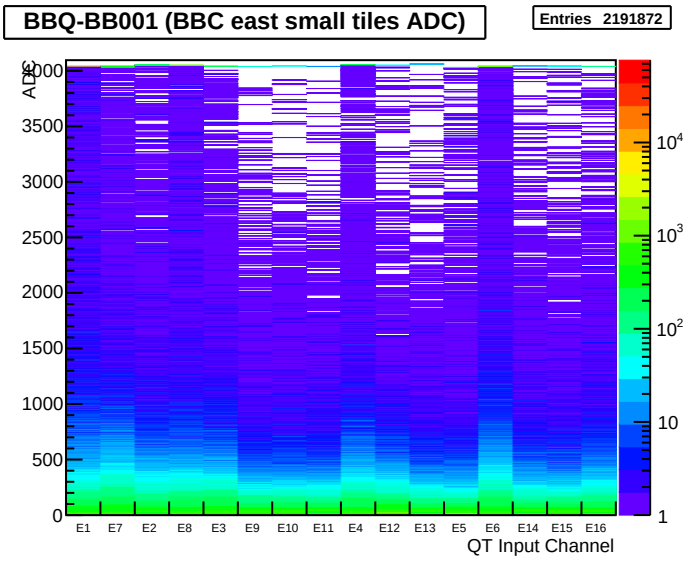

MIX-TF101
Entries 82009
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

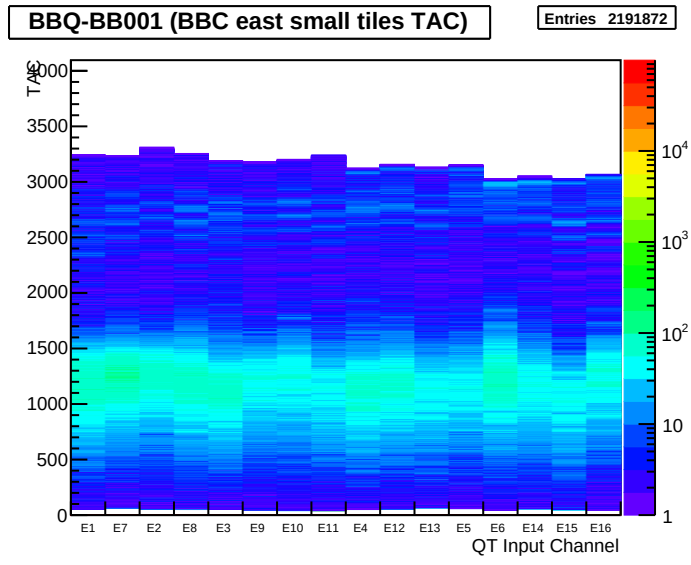

L2-TF201
Entries 136992
TOF total mult

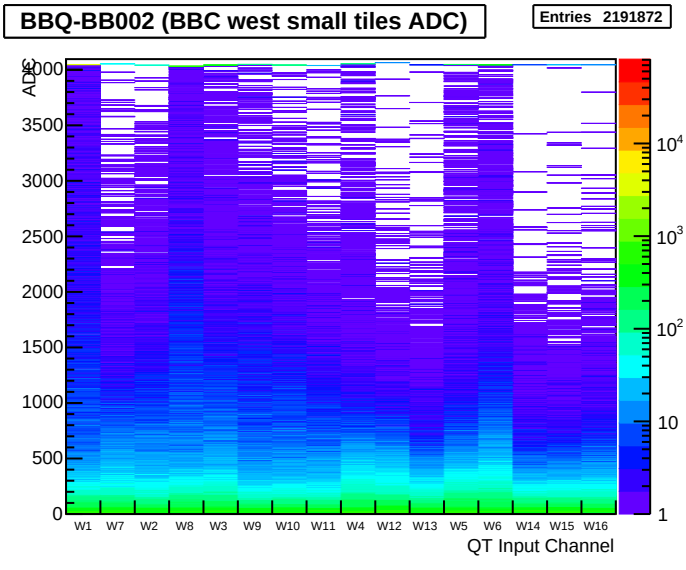

L2-TF201
Entries 0
TOF total mult(Real-Simu)

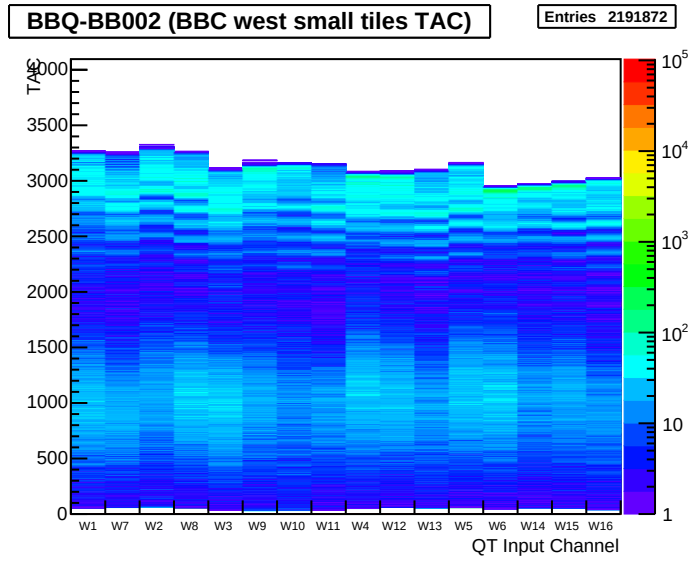

L2-TF201
Entries 958944
Threshold/UPC bits
119420
121148
119931
121324
120678
118365
131112
17572
15844
17061
15668
16314
18627
5880
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

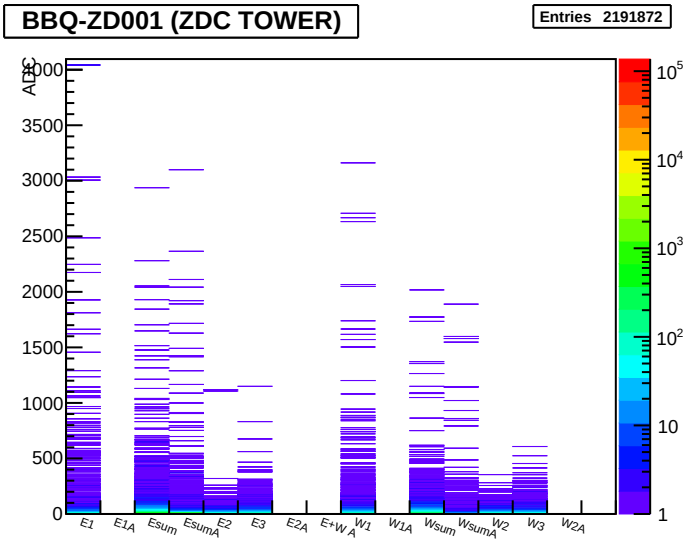

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

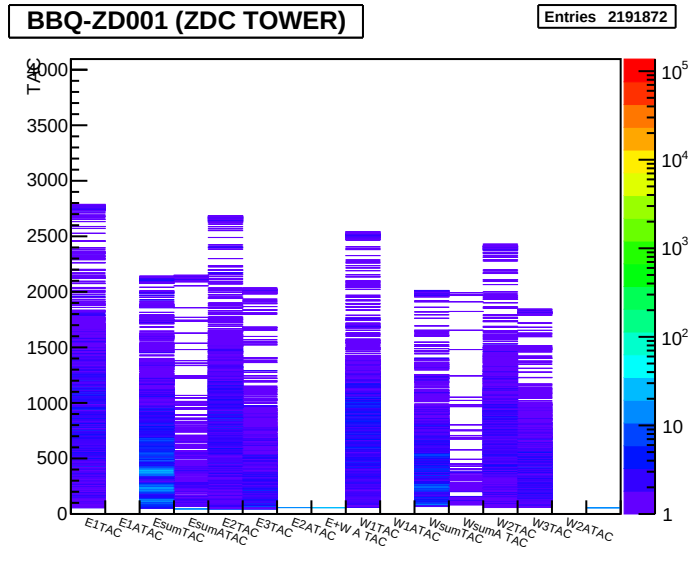

BBQ-BB001 (BBC east small tiles ADC)
Entries 2191872
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

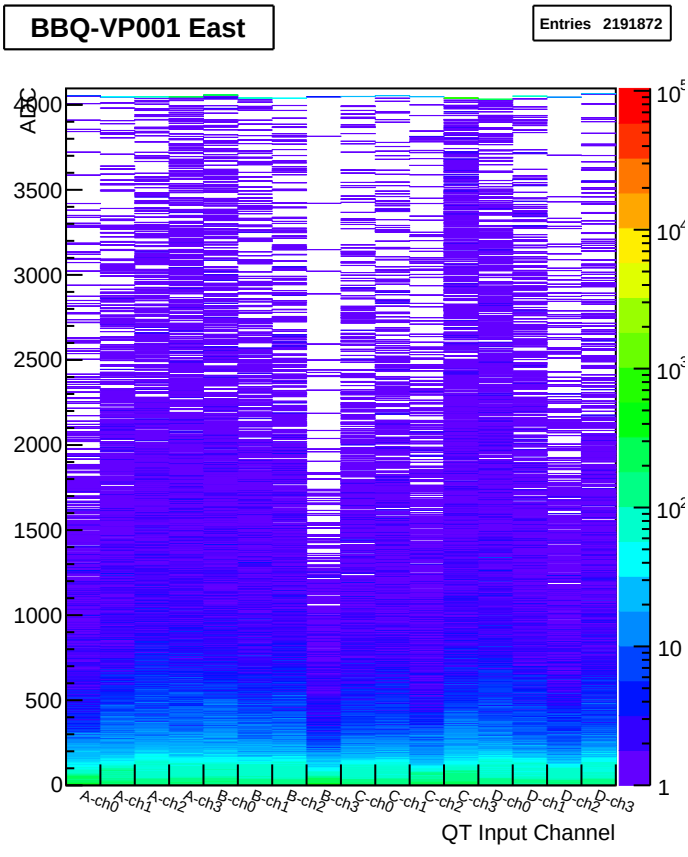

BBQ-BB001 (BBC east small tiles TAC)
Entries 2191872
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

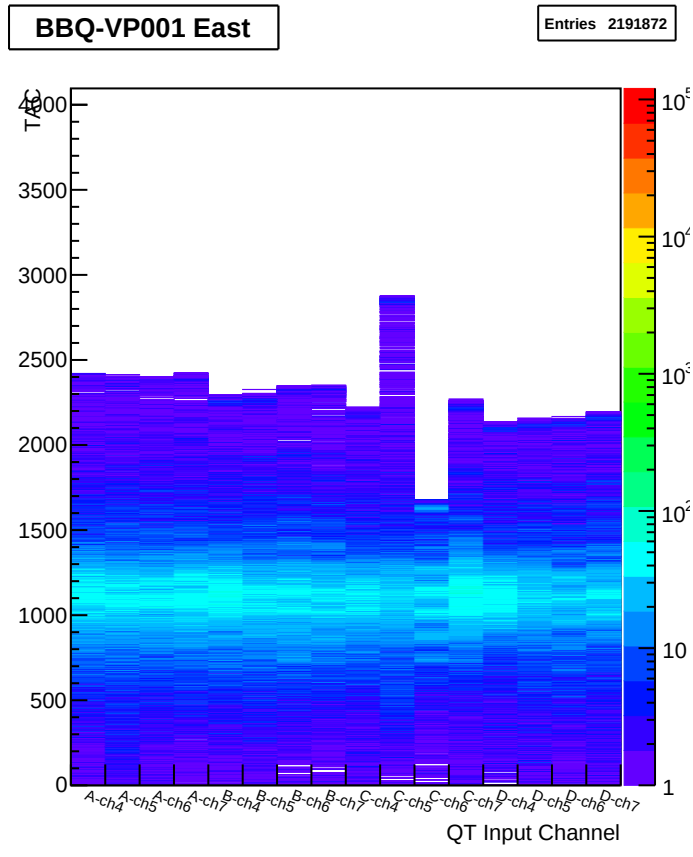

BBQ-BB002 (BBC west small tiles ADC)
Entries 2191872
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

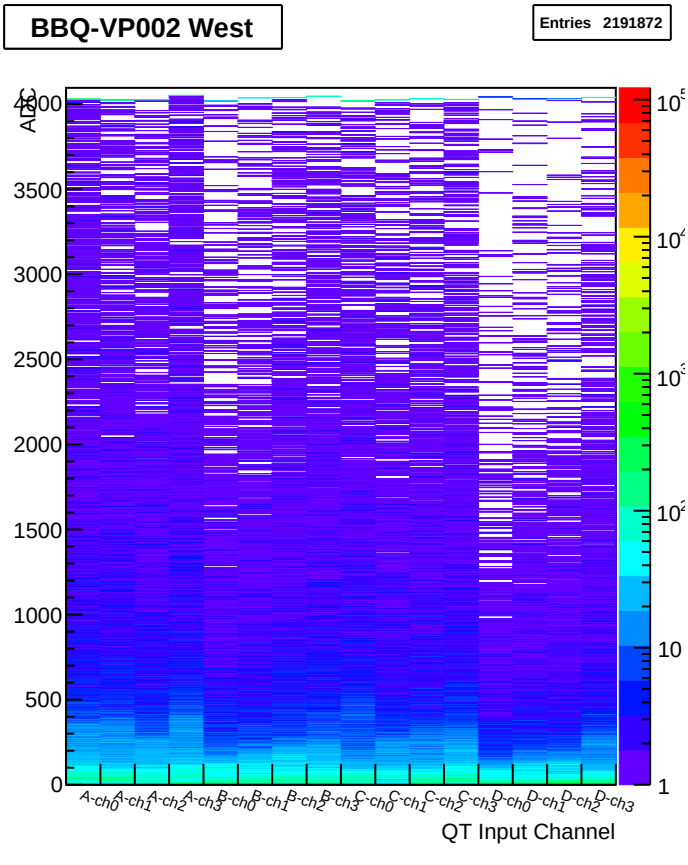

BBQ-BB002 (BBC west small tiles TAC)
Entries 2191872
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

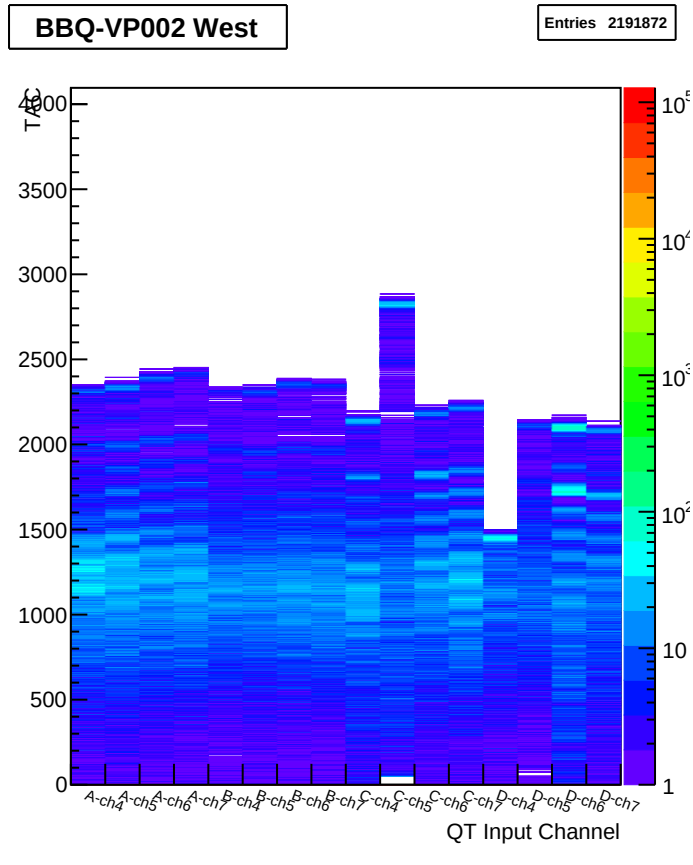

BBQ-ZD001 (ZDC TOWER)
Entries 2191872
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

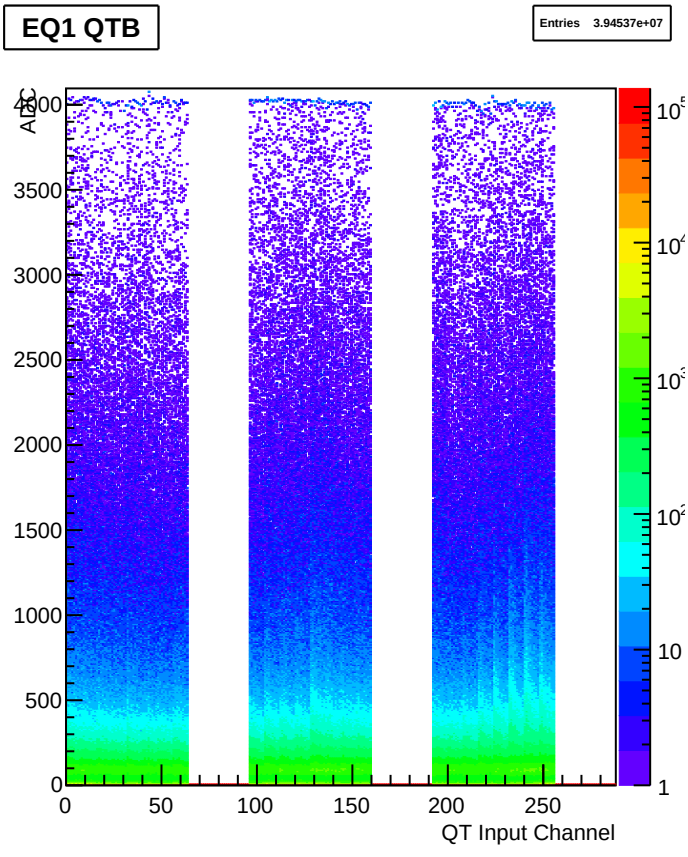

BBQ-ZD001 (ZDC TOWER)
Entries 2191872
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

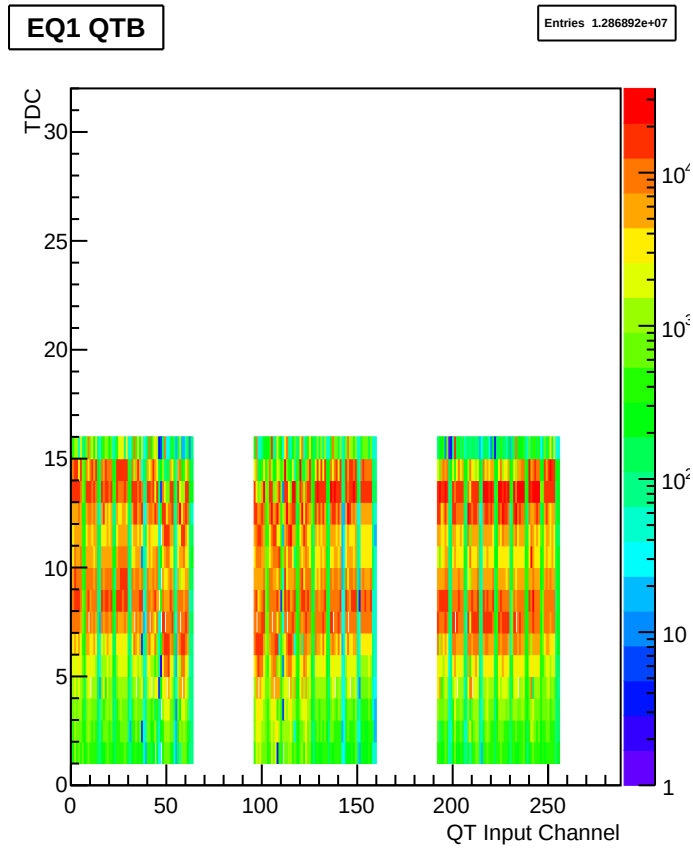

BBQ-VP001 East
Entries 2191872
ADC
QT Input Channel

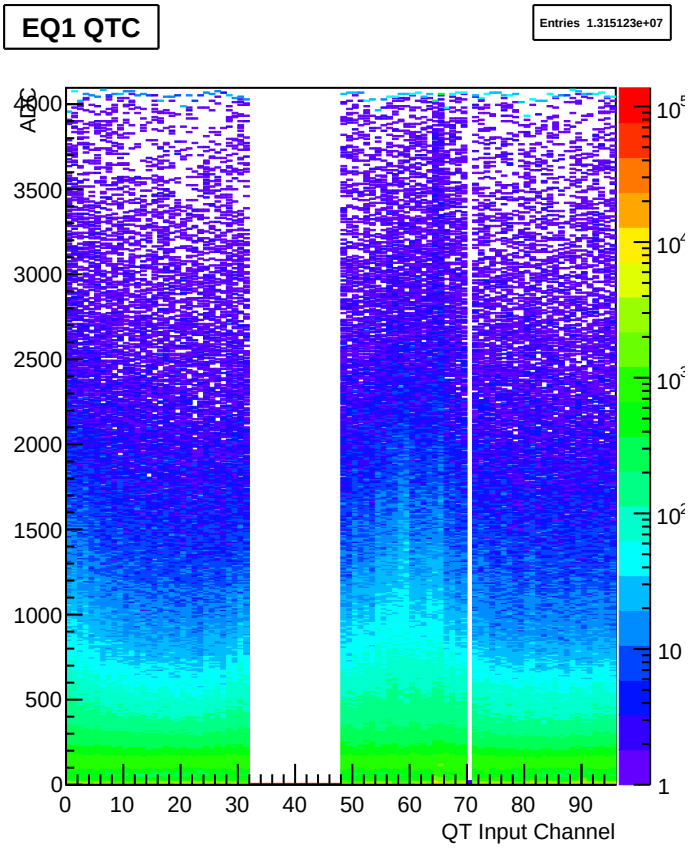

BBQ-VP001 East
Entries 2191872
TAC
QT Input Channel

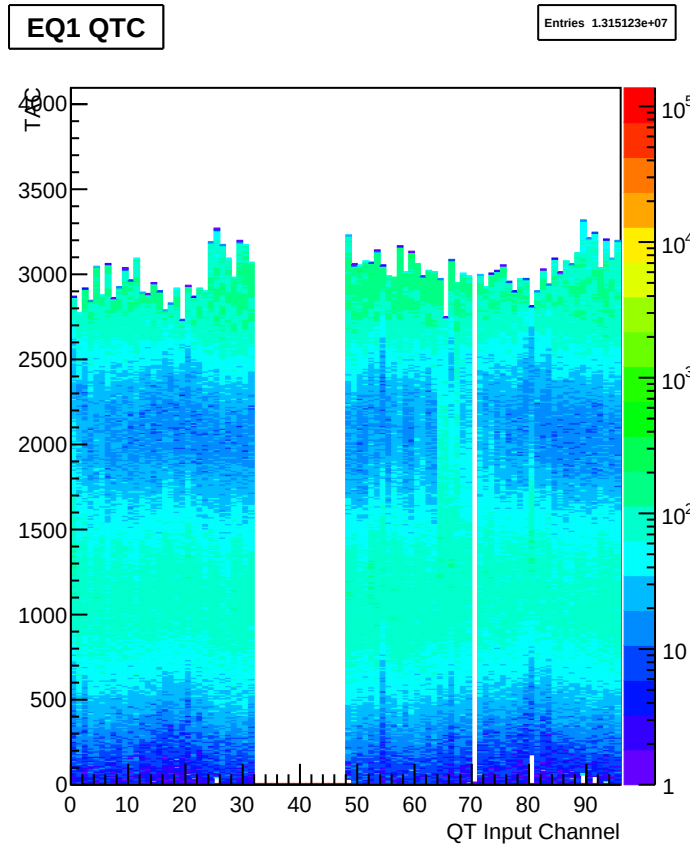

BBQ-VP002 West
Entries 2191872
ADC
QT Input Channel

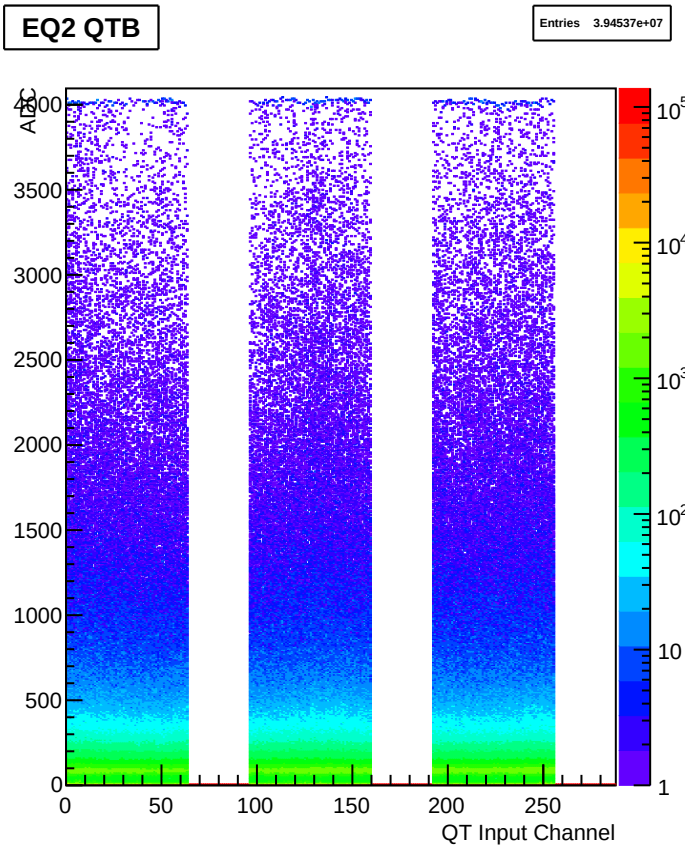

BBQ-VP002 West
Entries 2191872
TAC
QT Input Channel

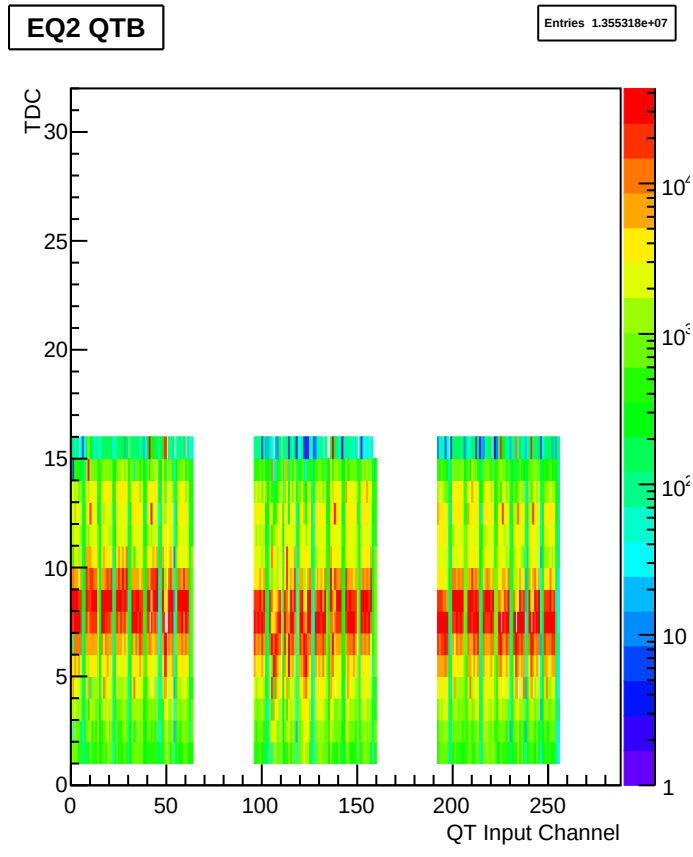

EQ1 QTB
Entries 3.94537e+07
ADC
QT Input Channel

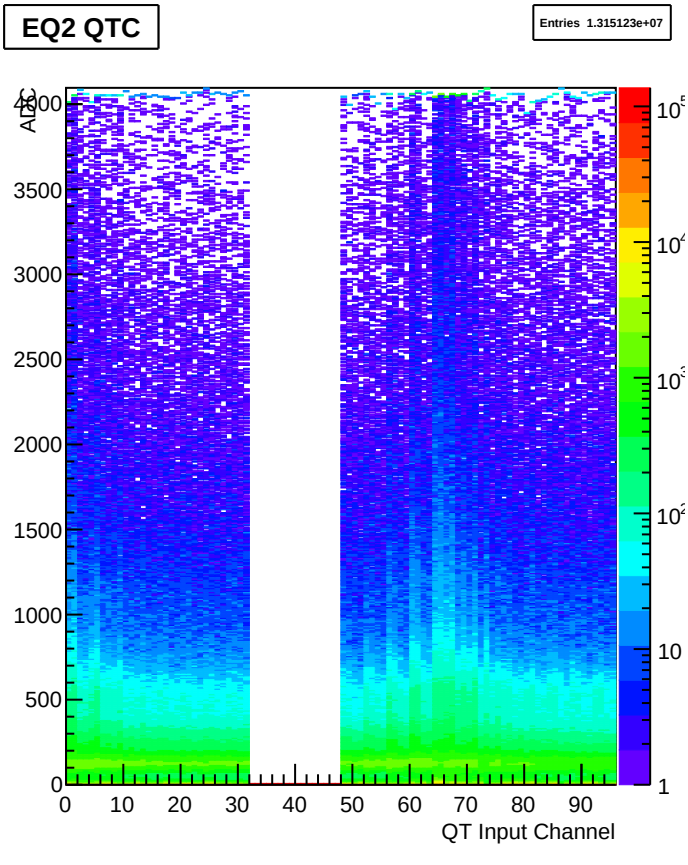

EQ1 QTB
Entries 1.286892e+07
TDC
QT Input Channel

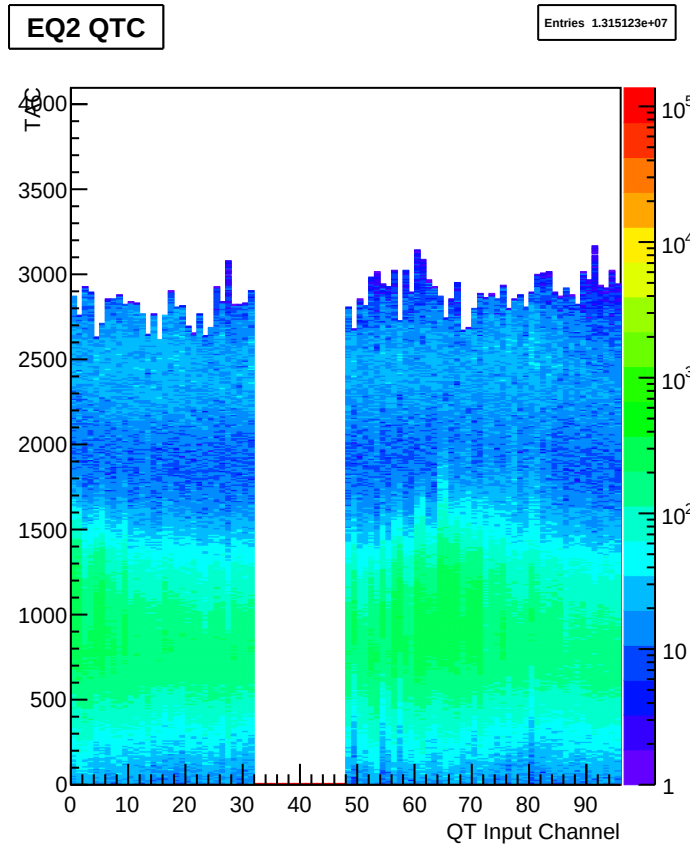

EQ1 QTC
Entries 1.315123e+07
ADC
QT Input Channel

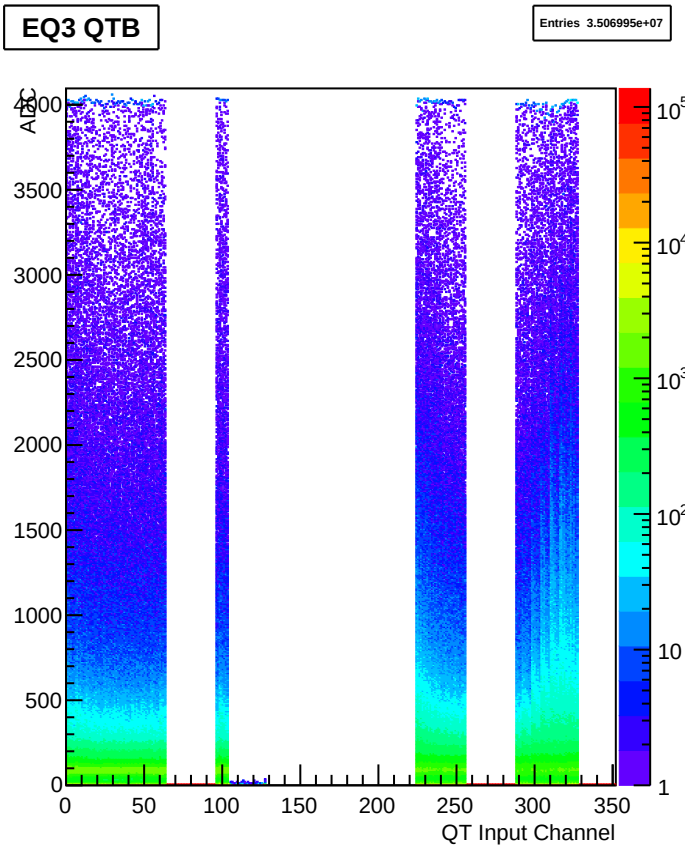

EQ1 QTC
Entries 1.315123e+07
TADC
QT Input Channel

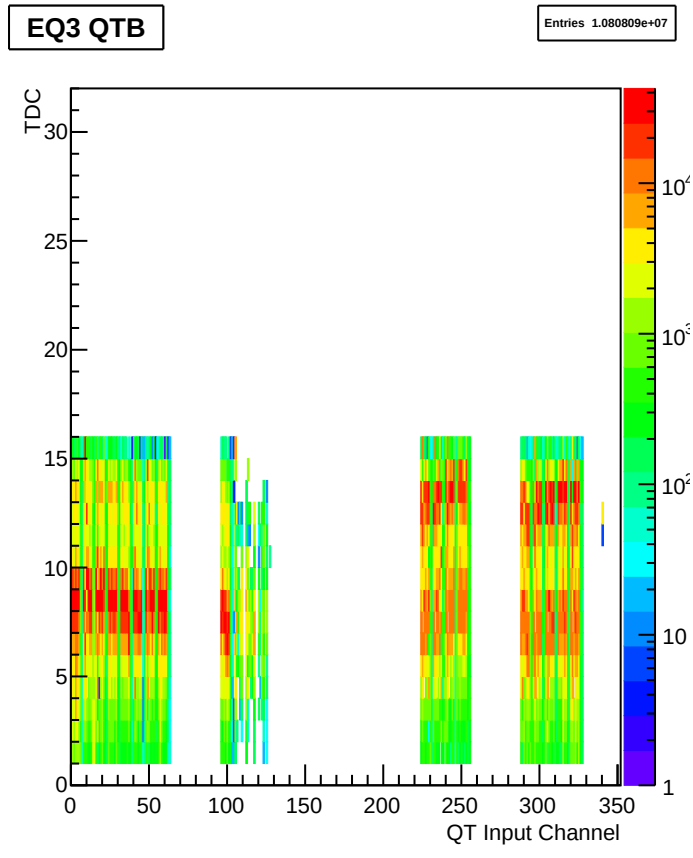

EQ2 QTB
Entries 3.94537e+07
ADC
QT Input Channel

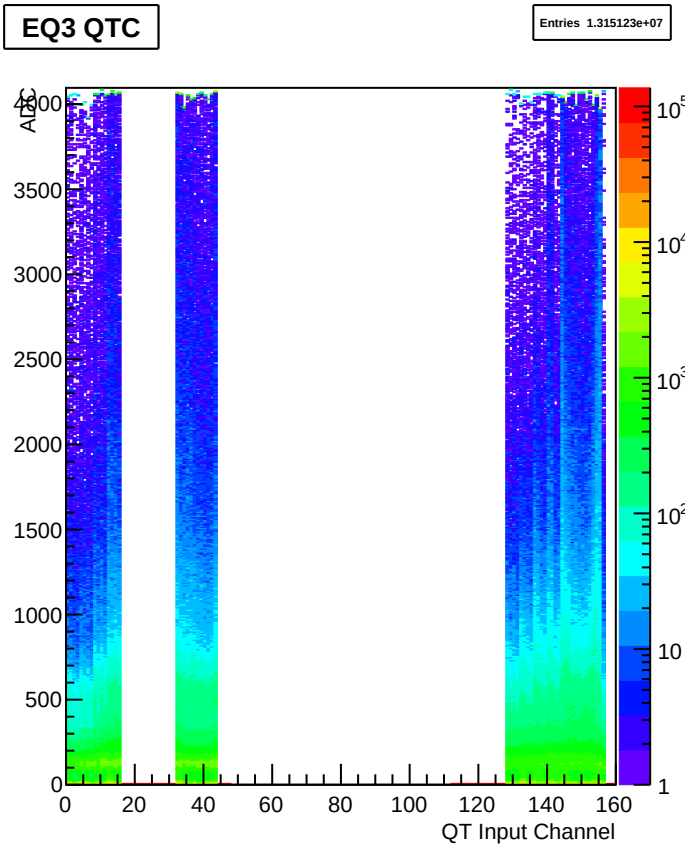

EQ2 QTB
Entries 1.355318e+07
TDC
QT Input Channel

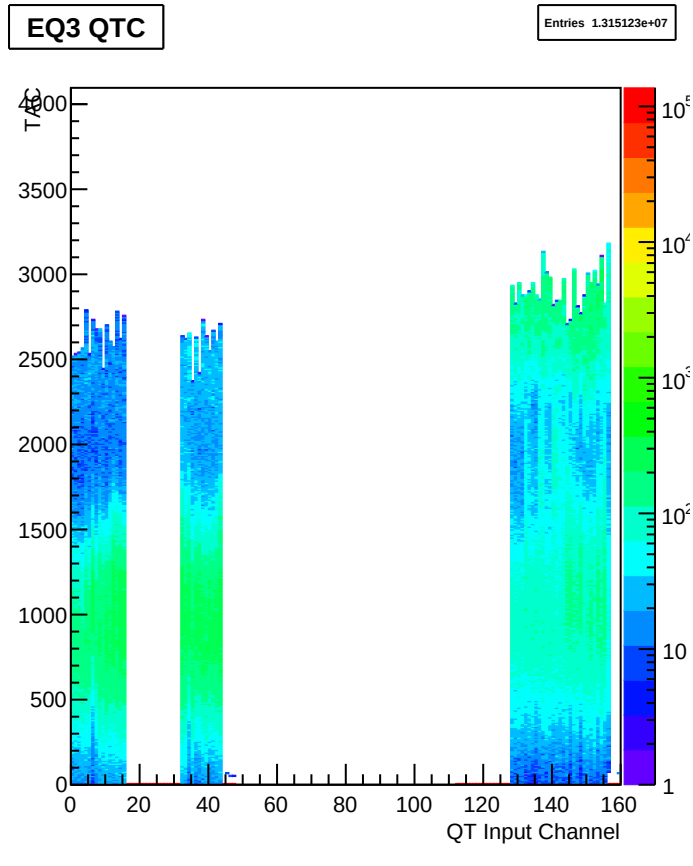

EQ2 QTC
Entries 1.315123e+07
ADC
QT Input Channel

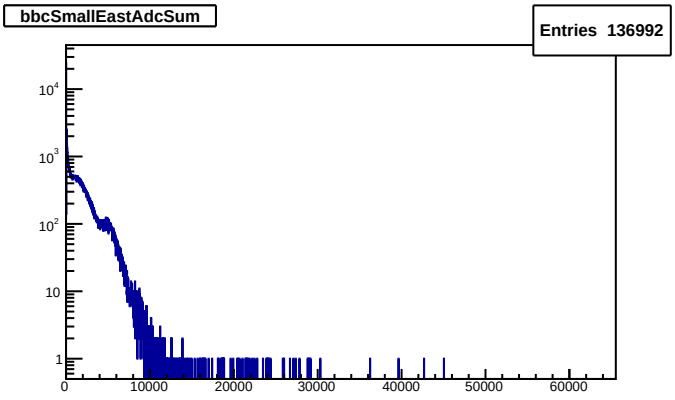

EQ2 QTC
Entries 1.315123e+07
TADC
QT Input Channel

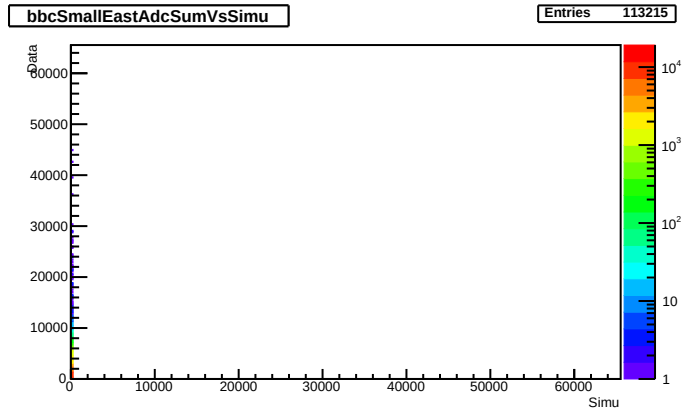

EQ3 QTB
Entries 3.506995e+07
ADC
QT Input Channel

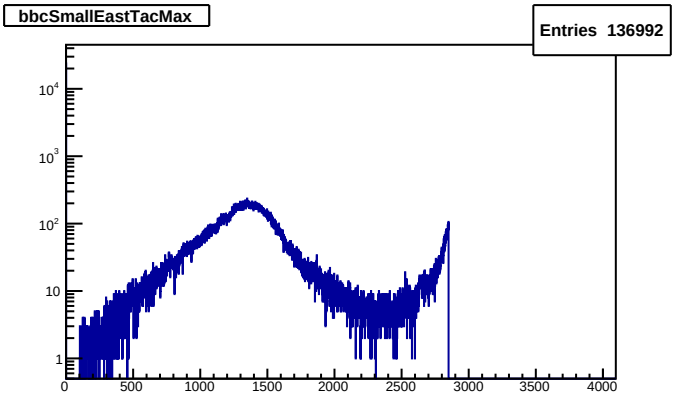

EQ3 QTB
Entries 1.080809e+07
TDC
QT Input Channel

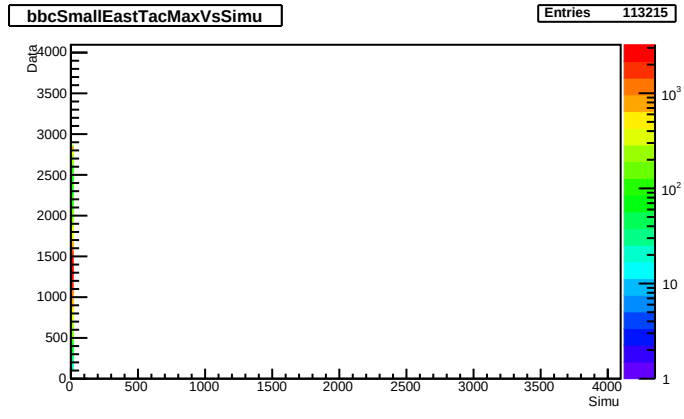

EQ3 QTC
Entries 1.315123e+07
ADC
QT Input Channel

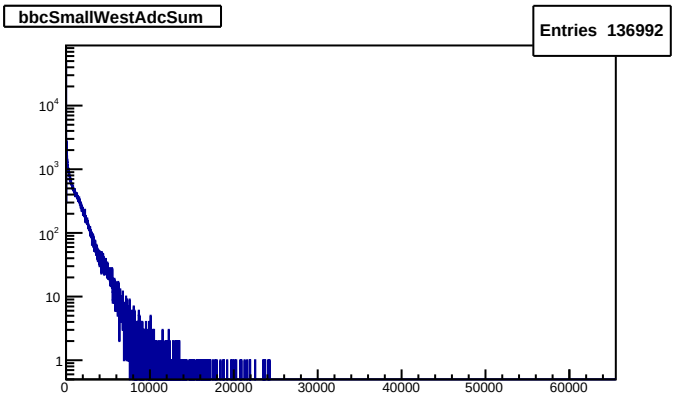

EQ3 QTC
Entries 1.315123e+07
TADC
QT Input Channel

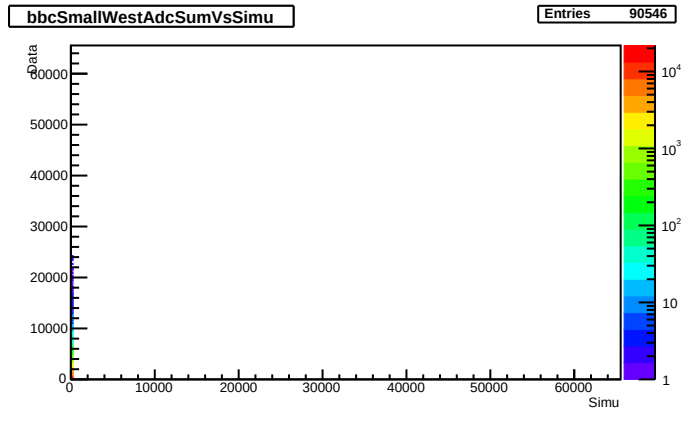

bbcSmallEastAdcSum
Entries 136992


bbcSmallEastAdcSumVsSimu
Entries 113215
Data
Simu


bbcSmallEastTacMax
Entries 136992


bbcSmallEastTacMaxVsSimu
Entries 113215
Data
Simu


bbcSmallWestAdcSum
Entries 136992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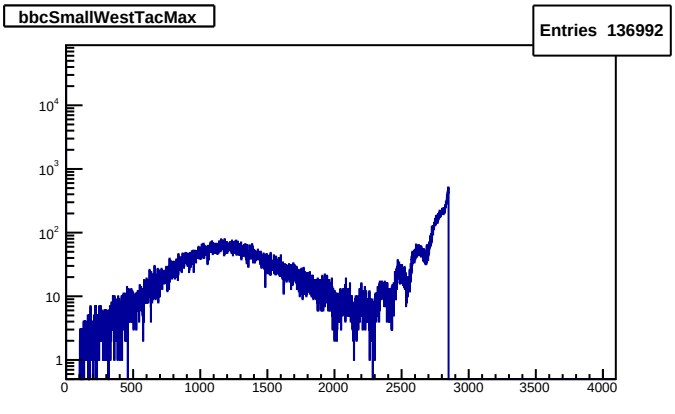
Entries 90546
Data
Simu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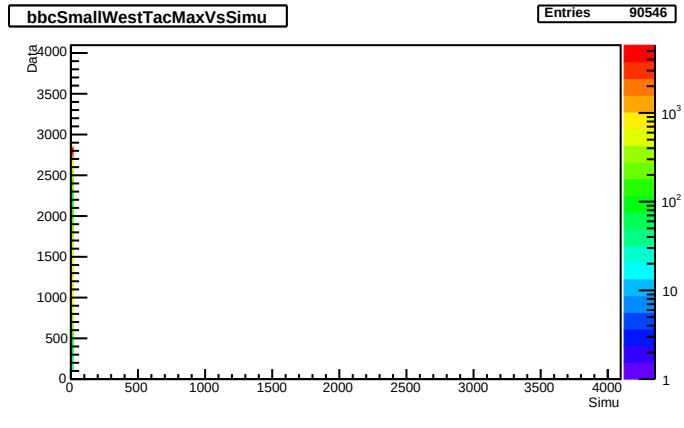
Entries 136992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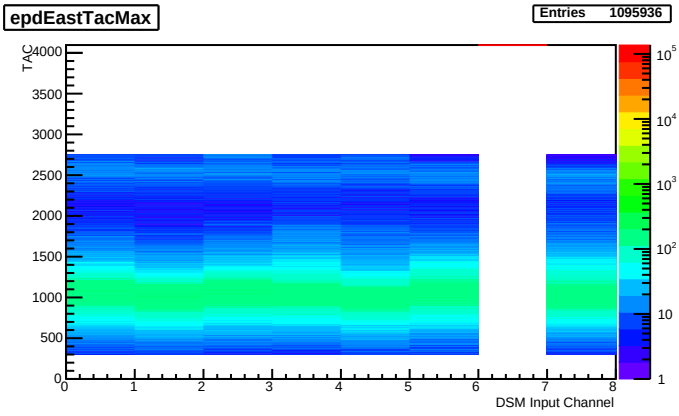
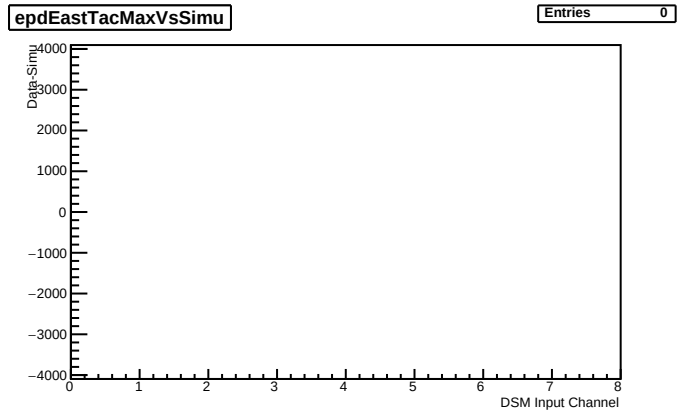
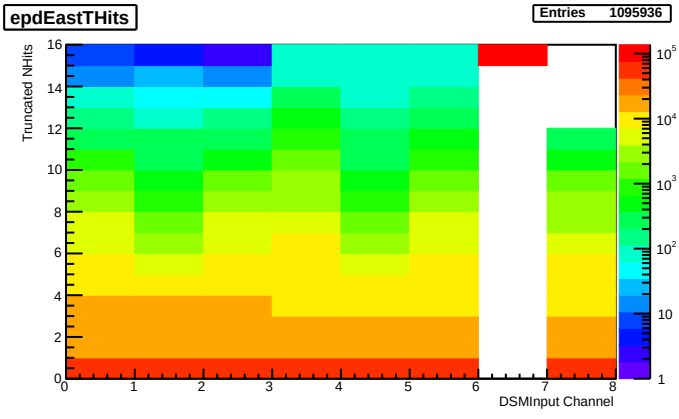
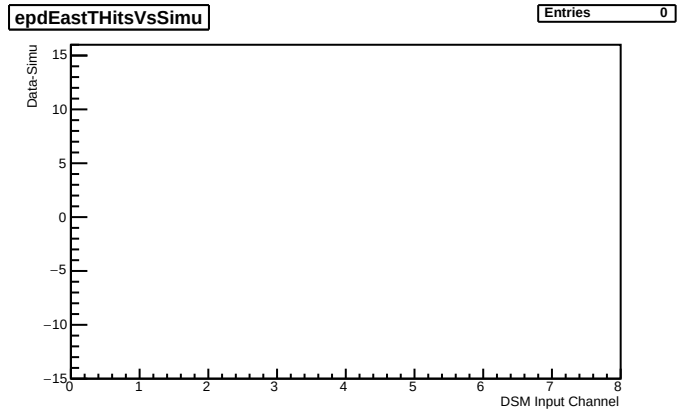
Entries 90546
Data
Simu


epdEastTacMax
Entries 1095936
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1095936
Truncated NHits
DSMInput Channel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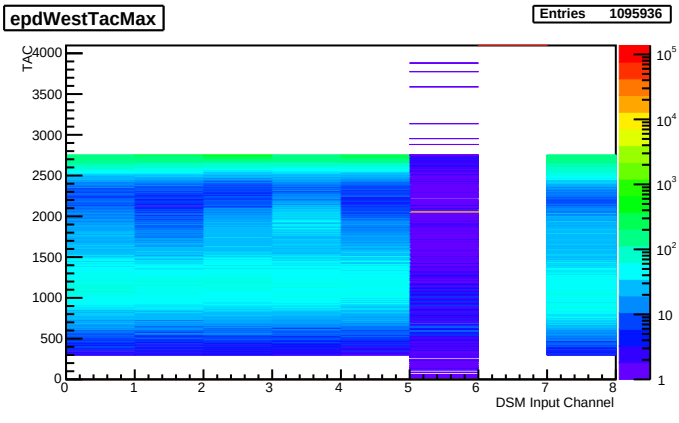
Data-Simu
DSM Input Channel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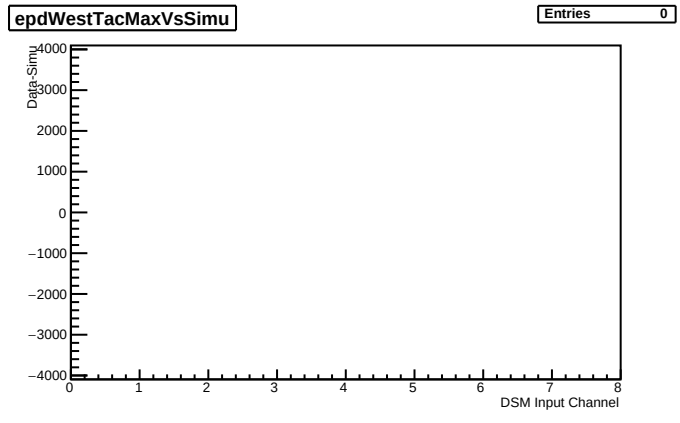
Entries 1095936
TAC
DSM Input Channel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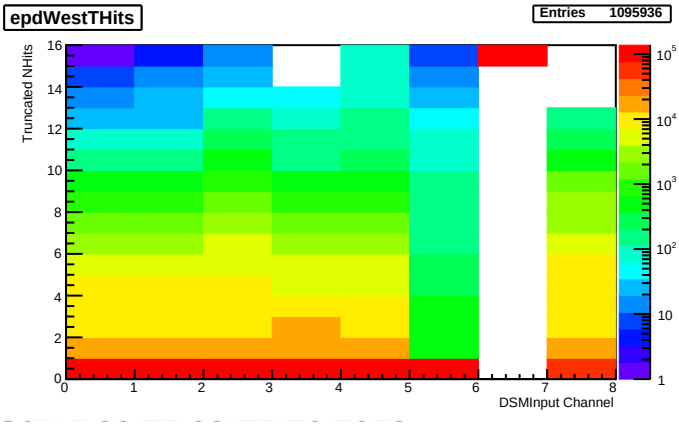
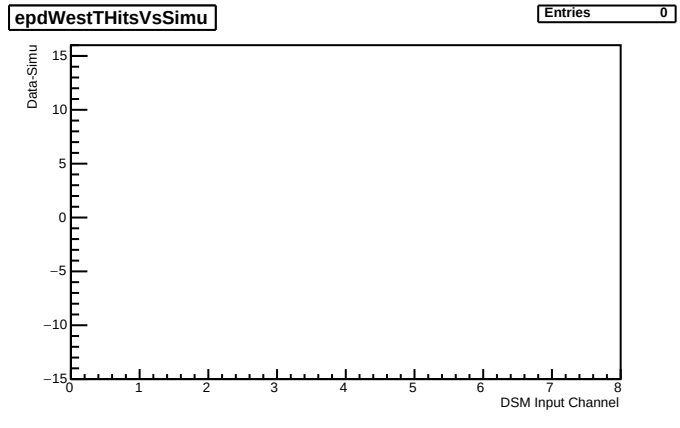
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1095936
Truncated NHits
DSMInput Channel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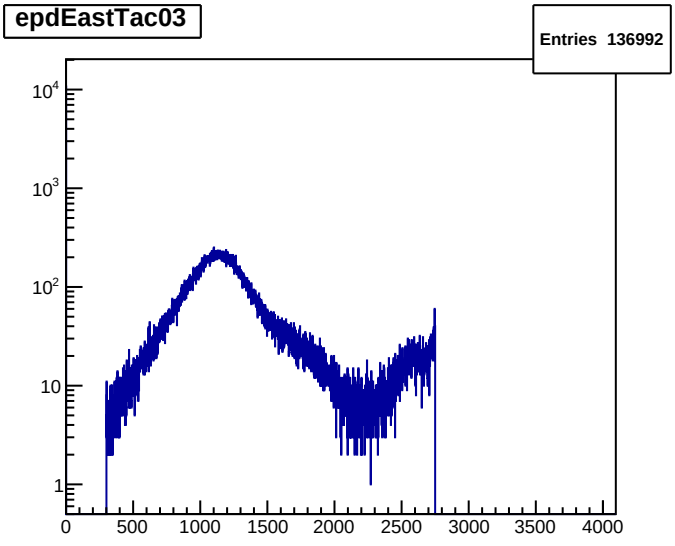
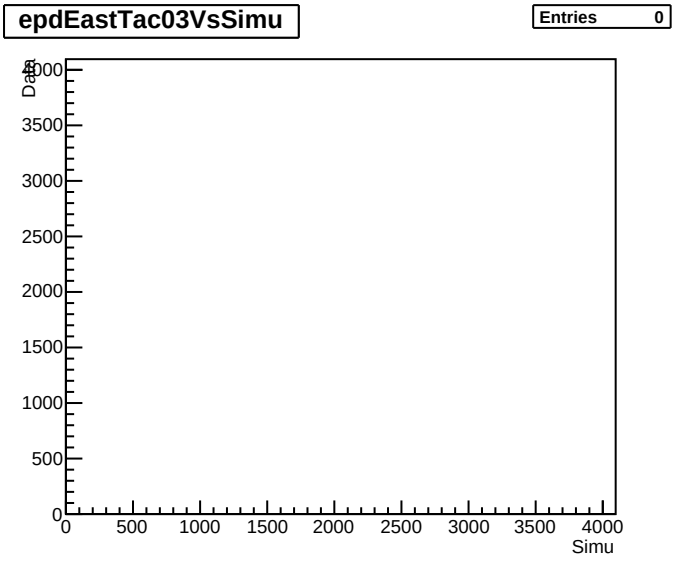
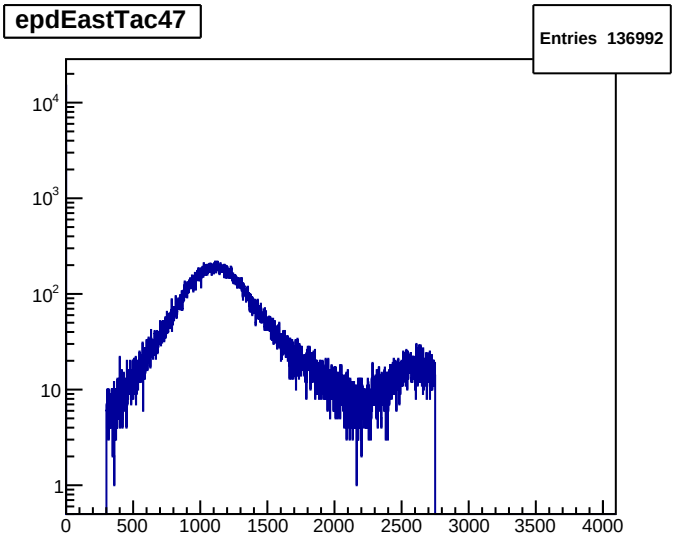
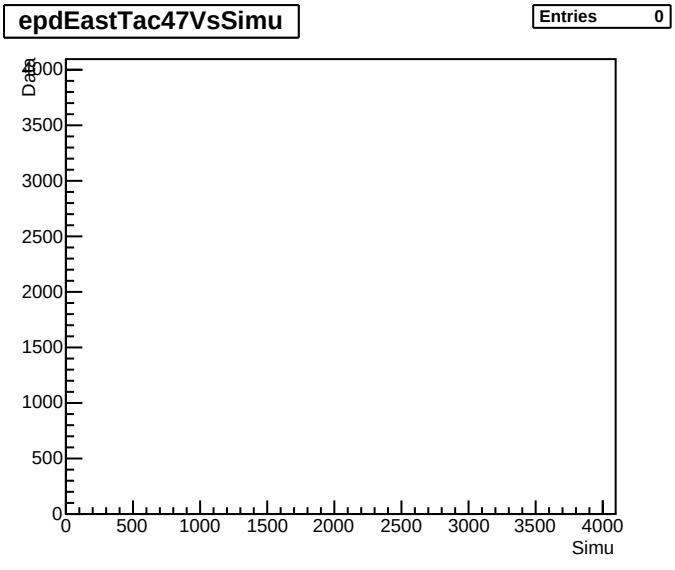
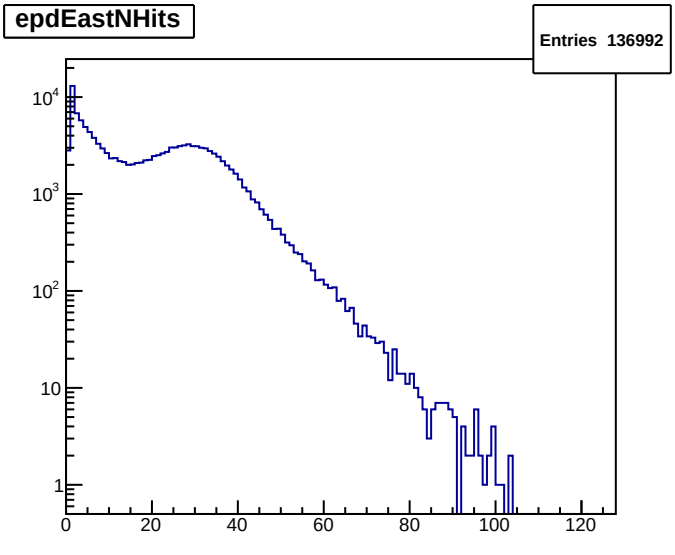
Entries 0
Data-Simu
DSM Input Channel

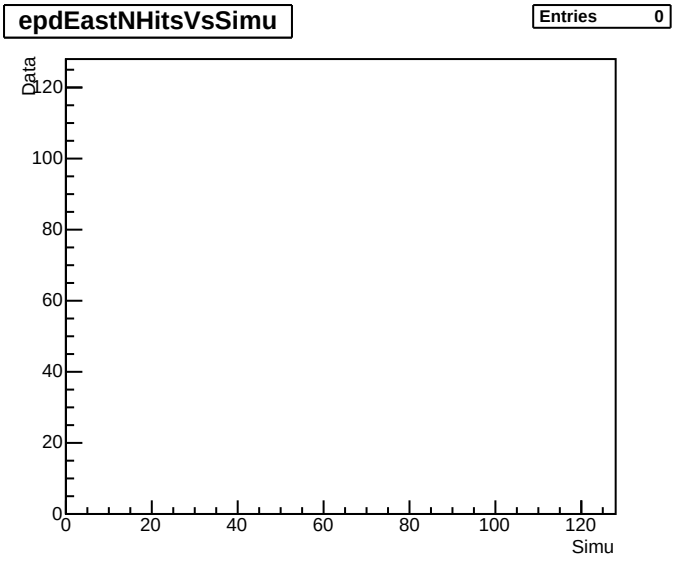

epdEastTac03
Entries 136992


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 136992


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 136992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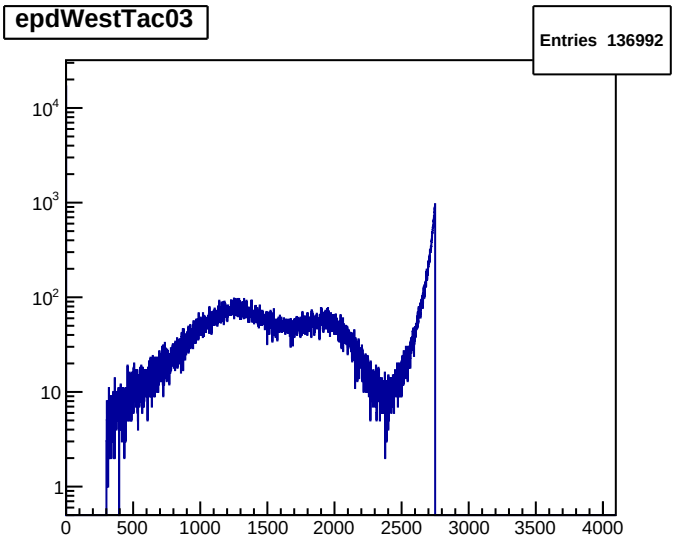
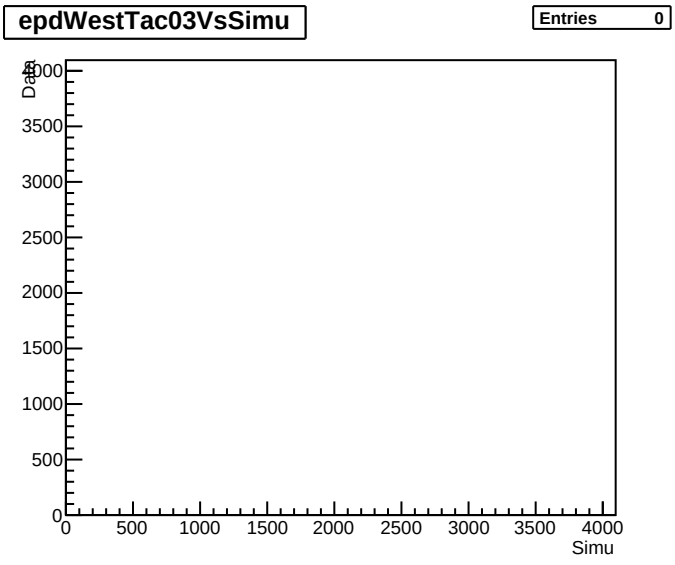
Entries 0
Data
Simu


epdWestTac03
Entries 136992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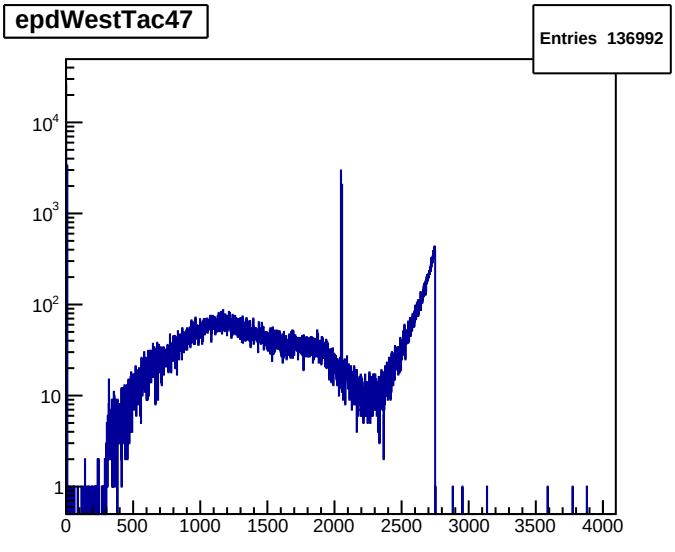
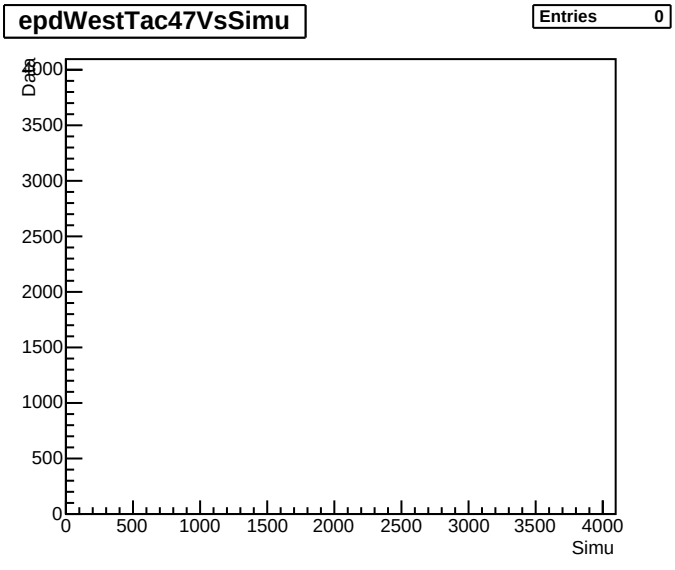
Entries 0
Data
Simu


epdWestTac47
Entries 136992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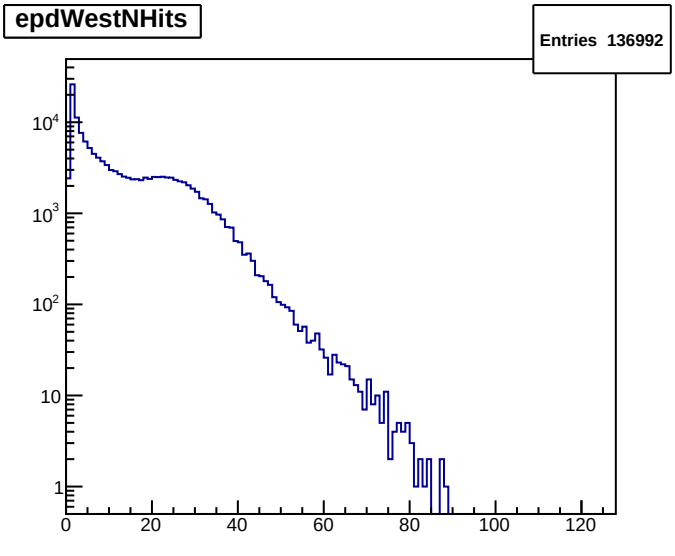
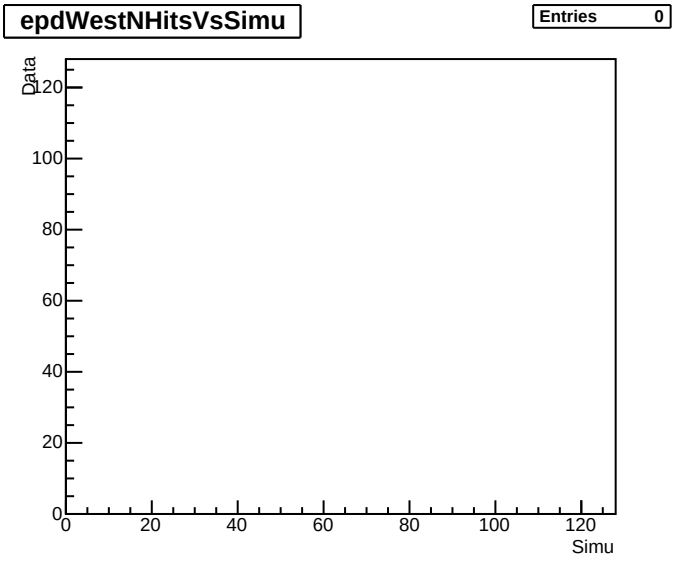
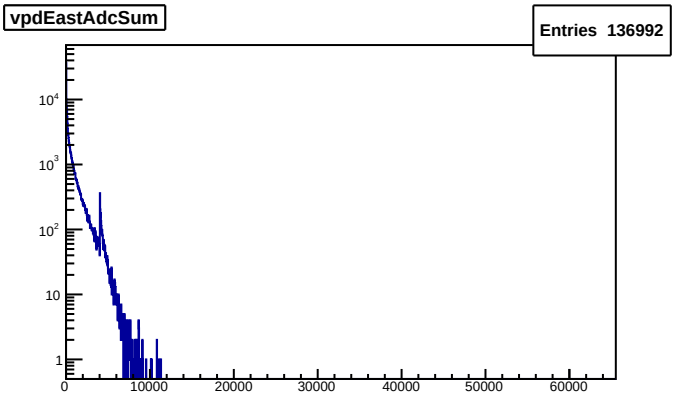
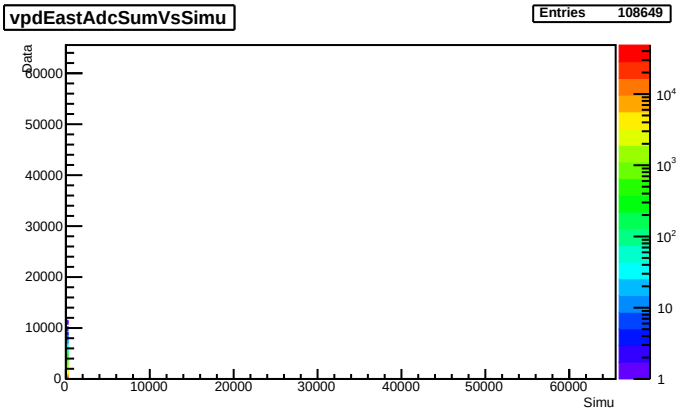
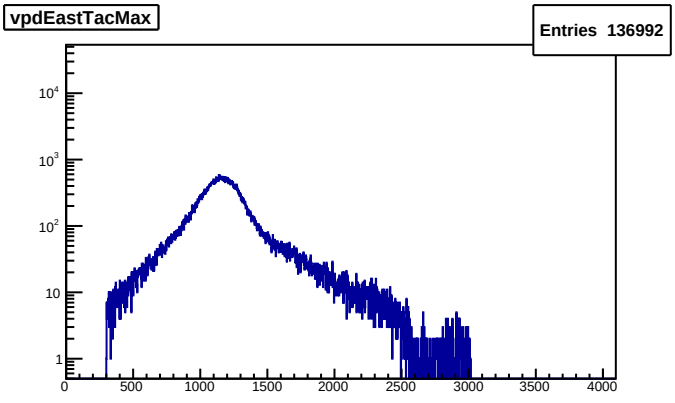
Entries 0
Data
Simu

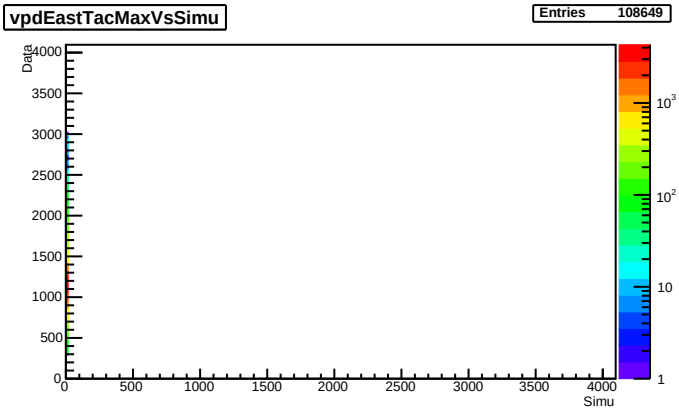

epdWestNHits
Entries 136992

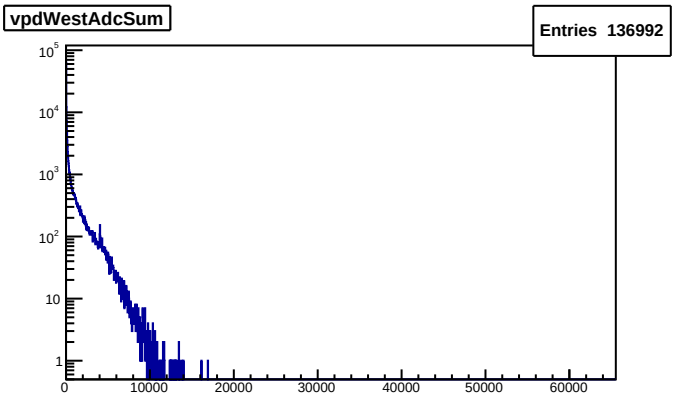

epdWestNHitsVsSimu
Entries 0
Data
Simu

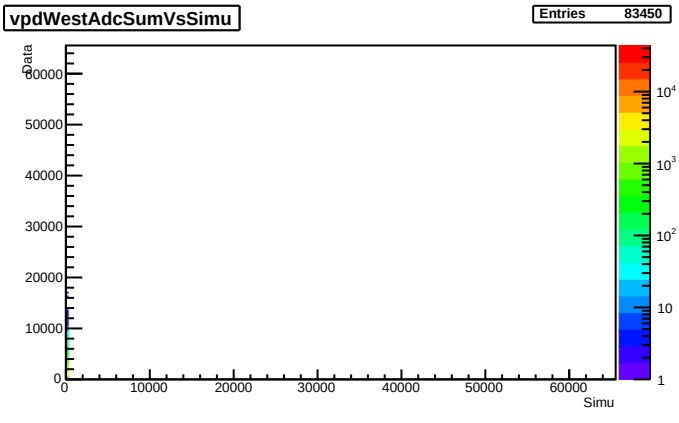

vpdEastAdcSum
Entries 136992

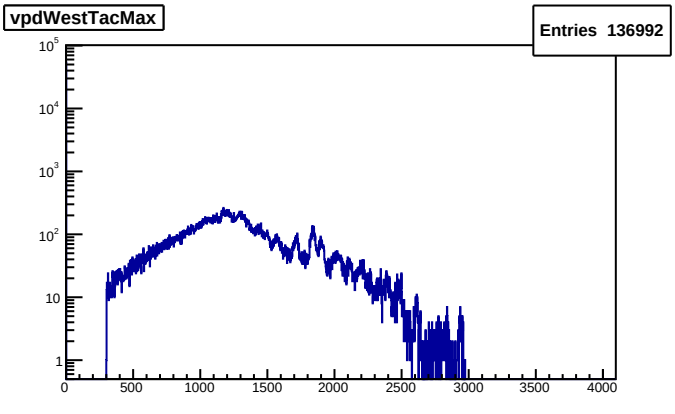

vpdEastAdcSumVsSimu
Entries 108649
Data
Simu

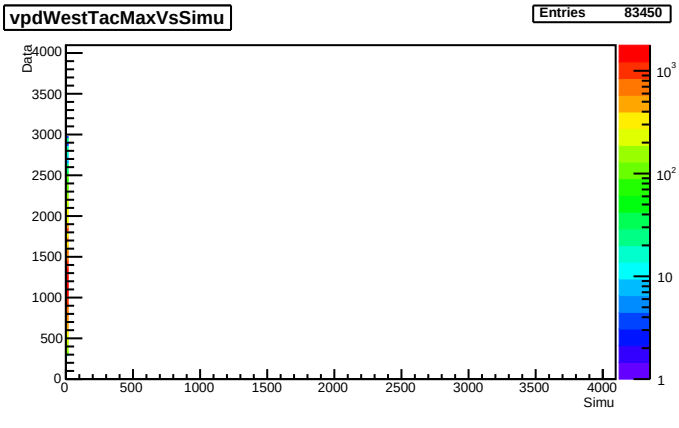

vpdEastTacMax
Entries 136992

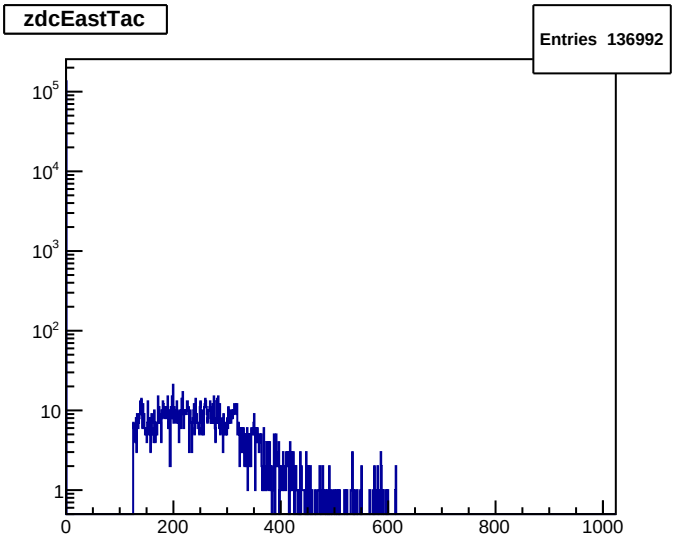

vpdEastTacMaxVsSimu
Entries 108649
Data
Simu

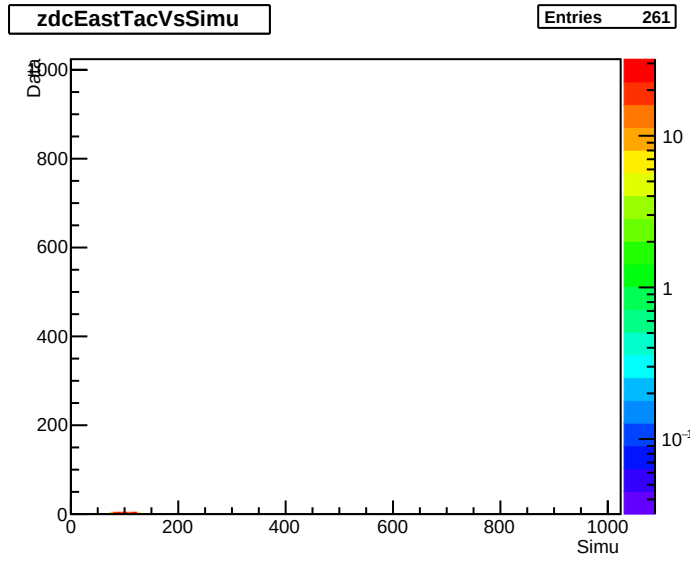

vpdWestAdcSum
Entries 136992

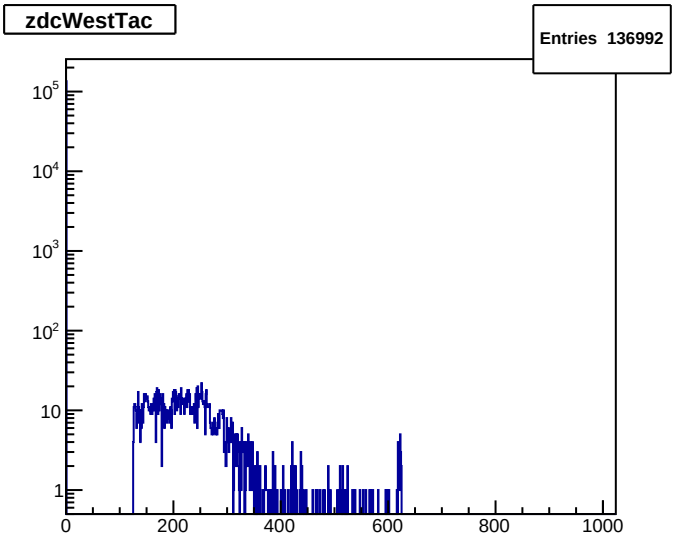

vpdWestAdcSumVsSimu
Entries 83450
Data
Simu

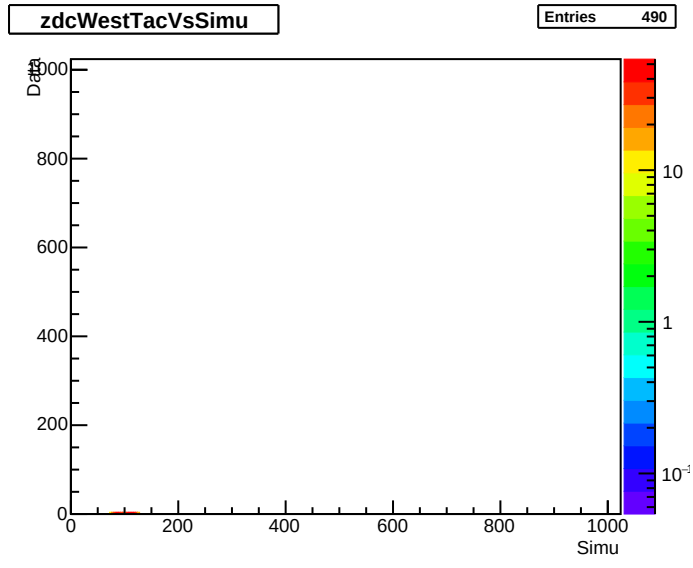

vpdWestTacMax
Entries 136992

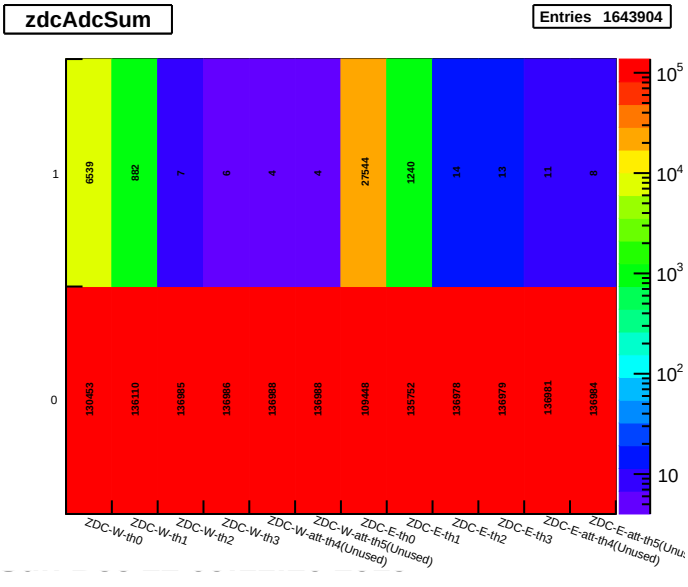

vpdWestTacMaxVsSimu
Entries 83450
Data
Simu

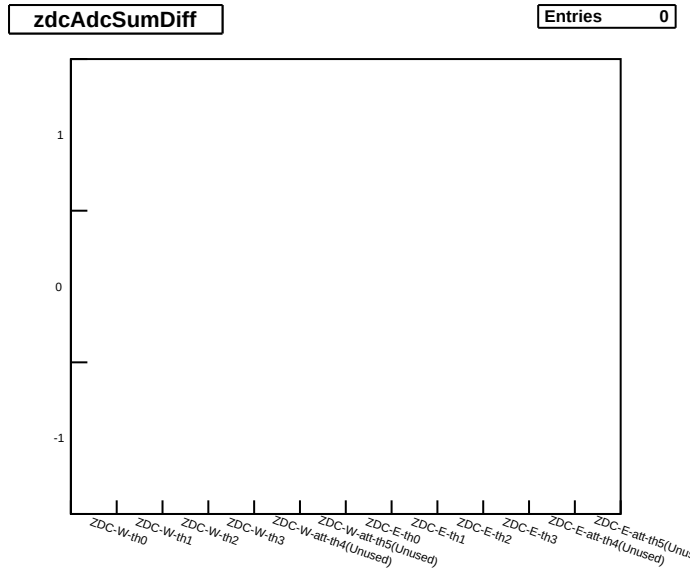

zdcEastTac
Entries 136992

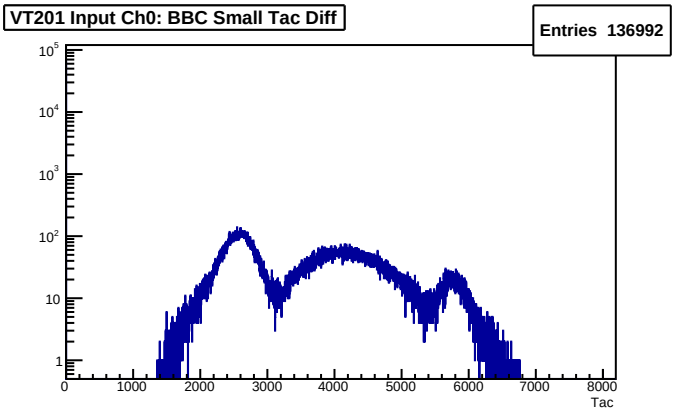

zdcEastTacVsSimu
Entries 261
Data
Simu

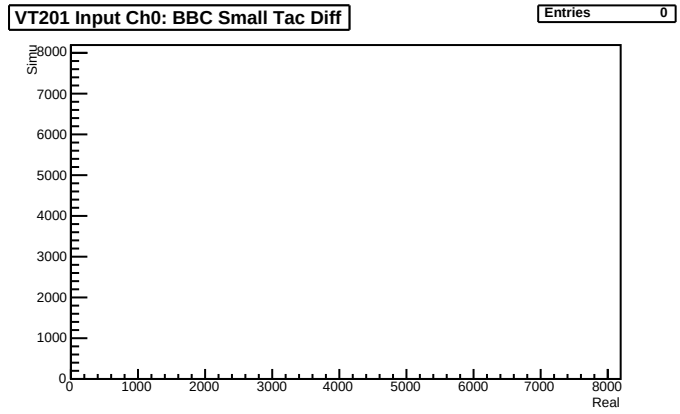

zdcWestTac
Entries 136992

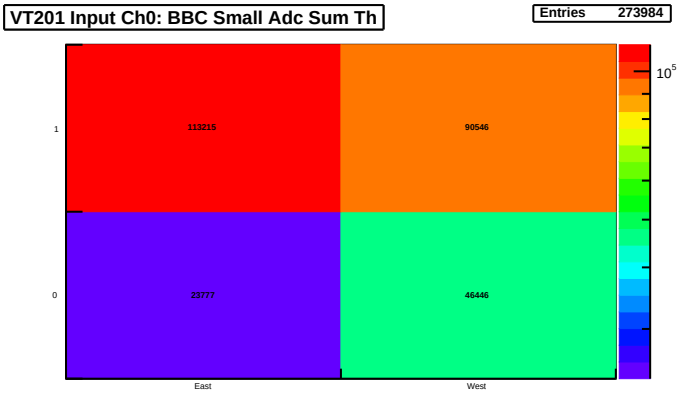

zdcWestTacVsSimu
Entries 490
Data
Simu

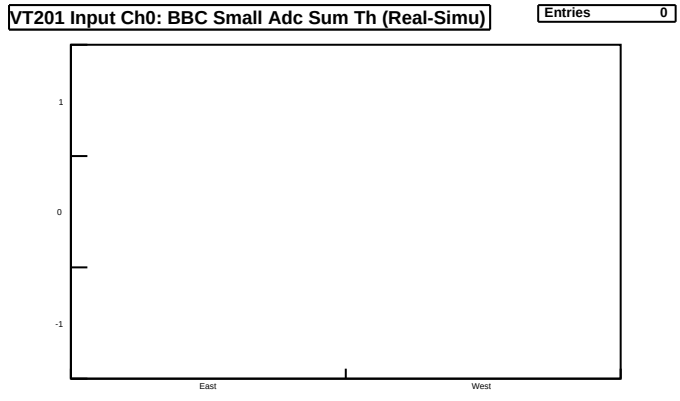

zdcAdcSum
Entries 1643904
6539
862
7
6
4
4
27544
1240
14
13
11
8
130453
136110
136985
136986
136988
136988
109448
135752
136978
136979
136981
136984
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

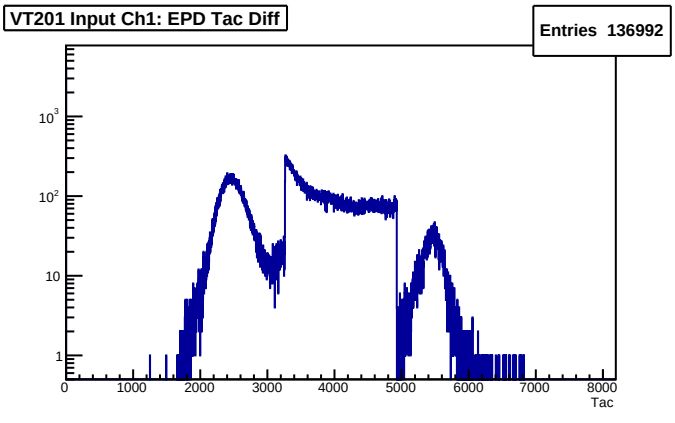

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

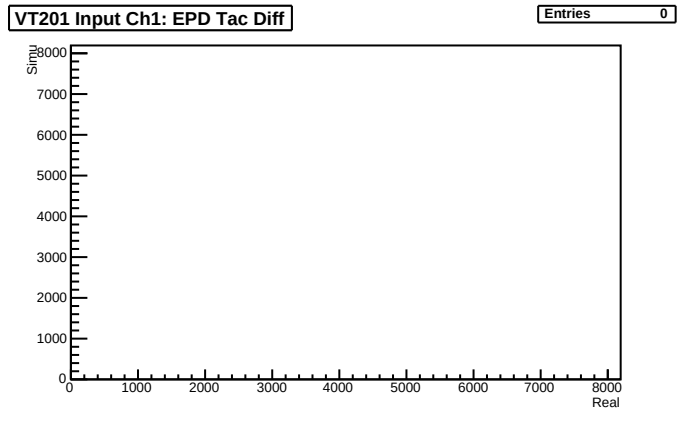

VT201 Input Ch0: BBC Small Tac Diff
Entries 136992
Tac

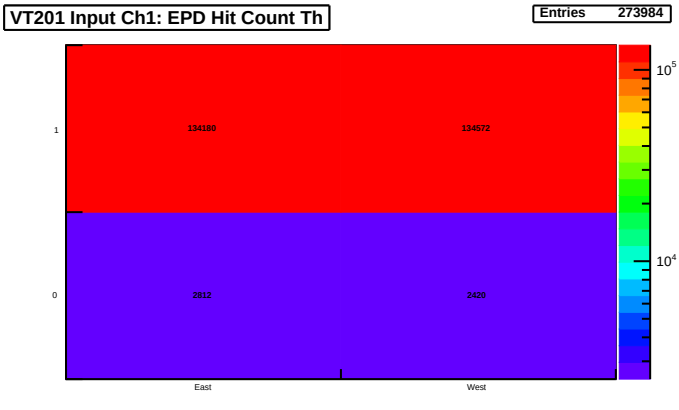

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

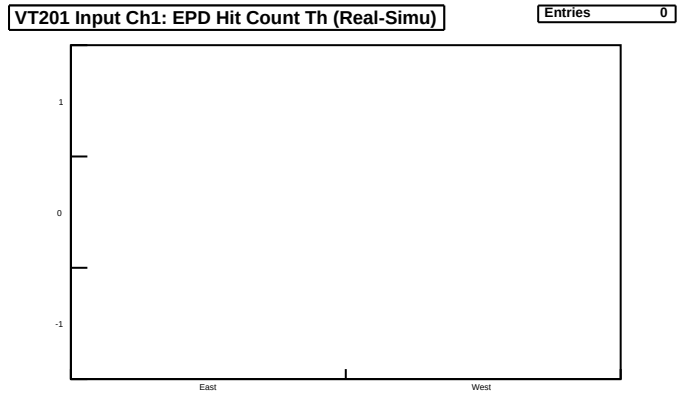

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 273984
113215
90546
23777
46446
East
West

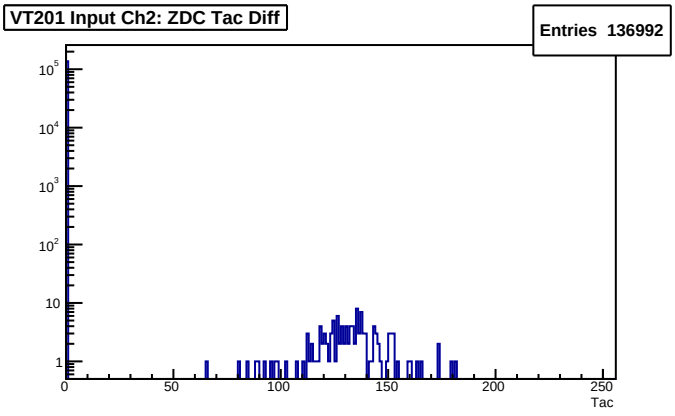

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

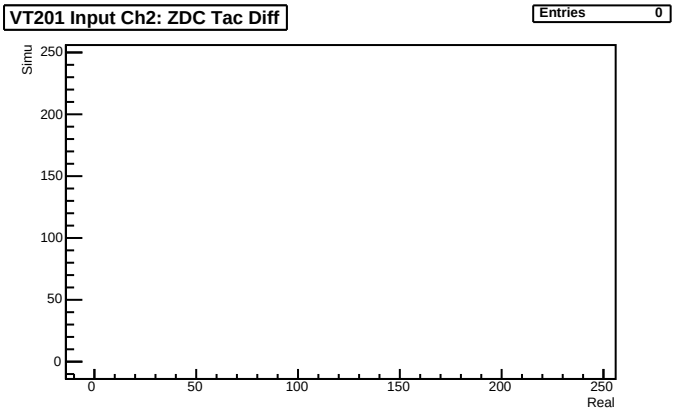

VT201 Input Ch1: EPD Tac Diff
Entries 136992
Tac

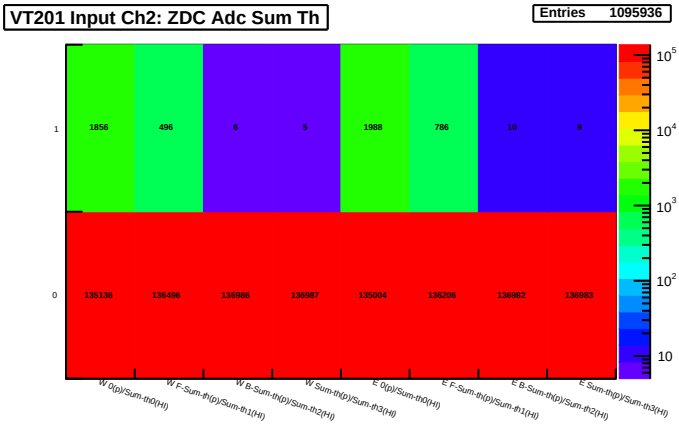

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

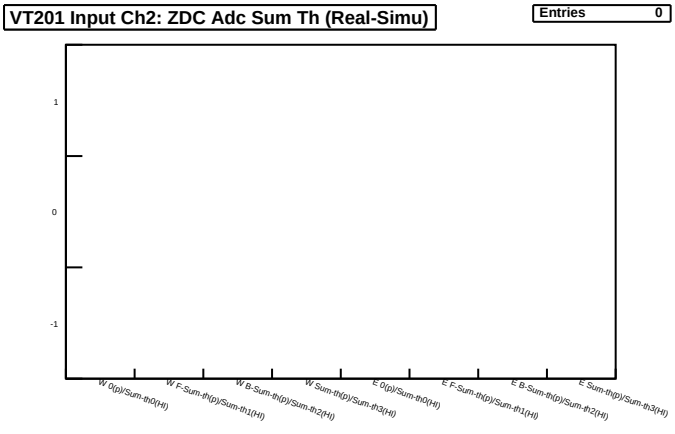

VT201 Input Ch1: EPD Hit Count Th
Entries 273984
134180
134572
2812
2420
East
West

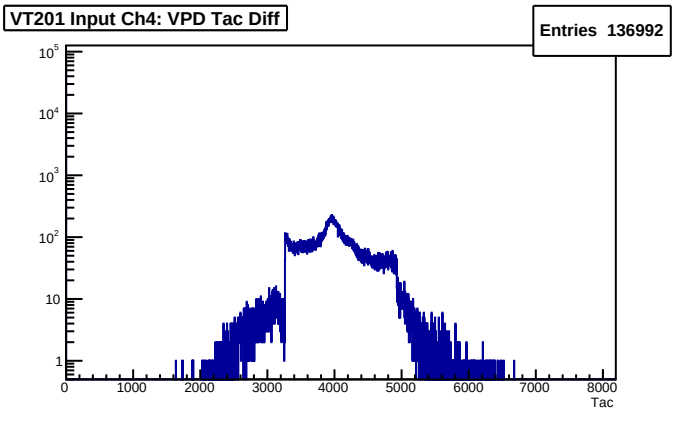

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

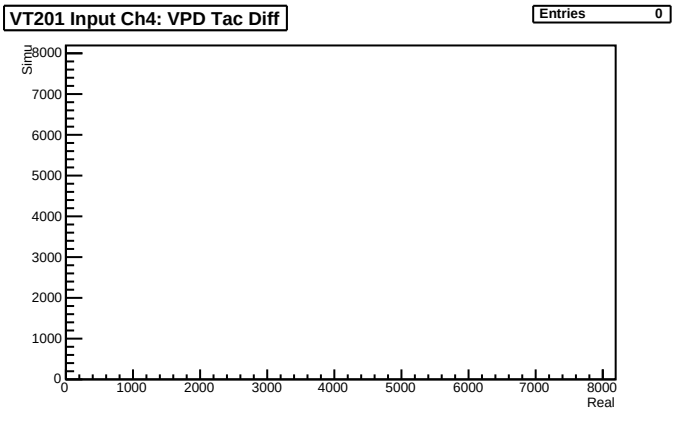

VT201 Input Ch2: ZDC Tac Diff
Entries 136992
Tac

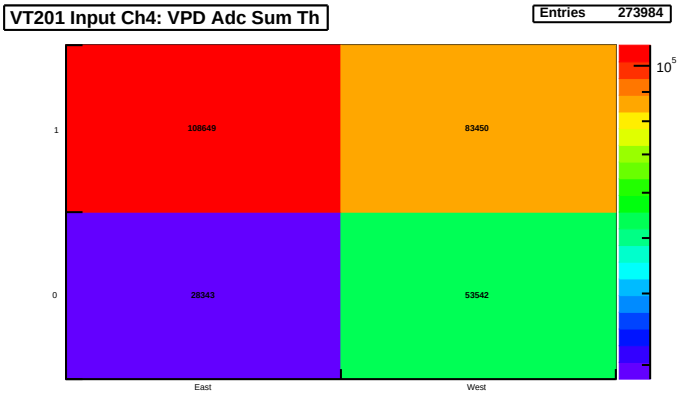

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

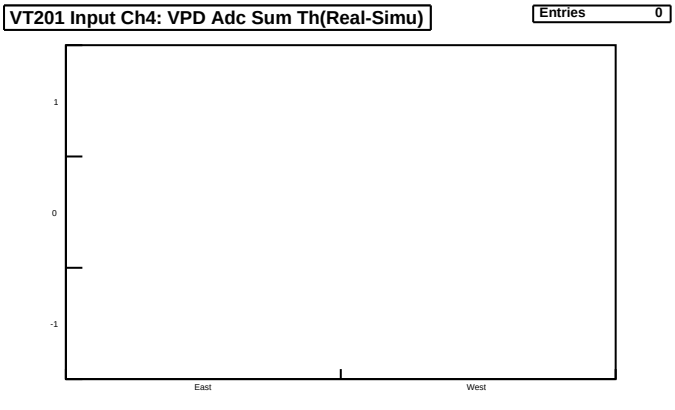

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1095936
1856
496
6
5
1988
786
10
9
135136
136496
136986
136987
135004
136206
136982
136983
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

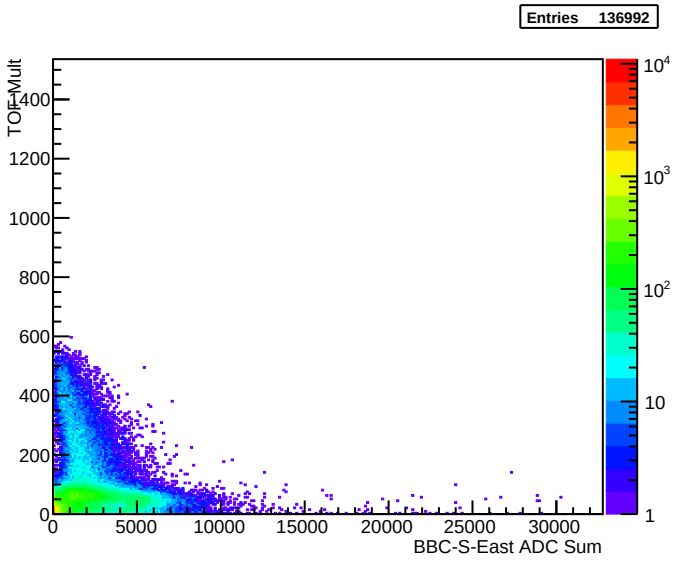

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

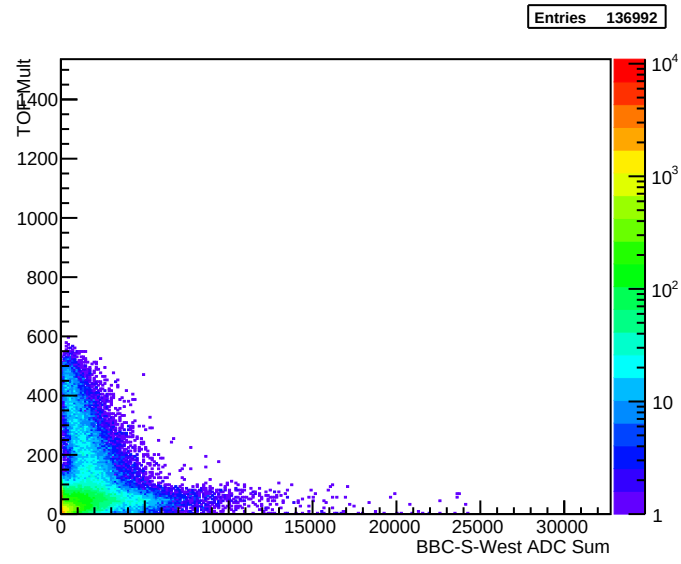

VT201 Input Ch4: VPD Tac Diff
Entries 136992
Tac

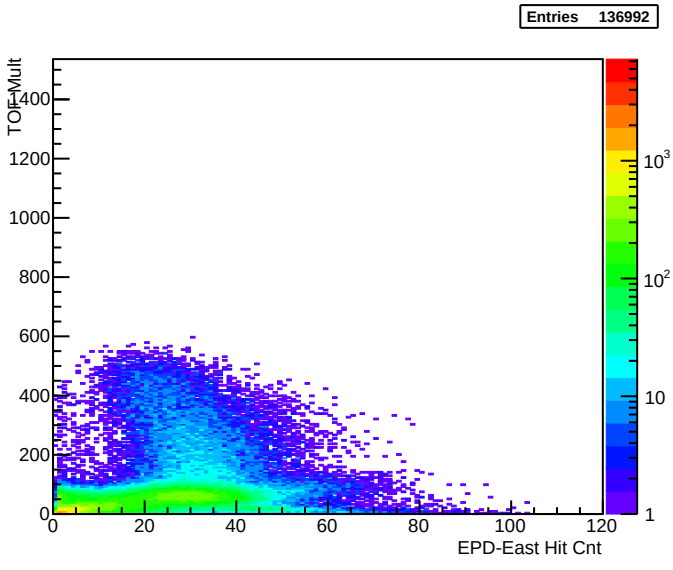

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

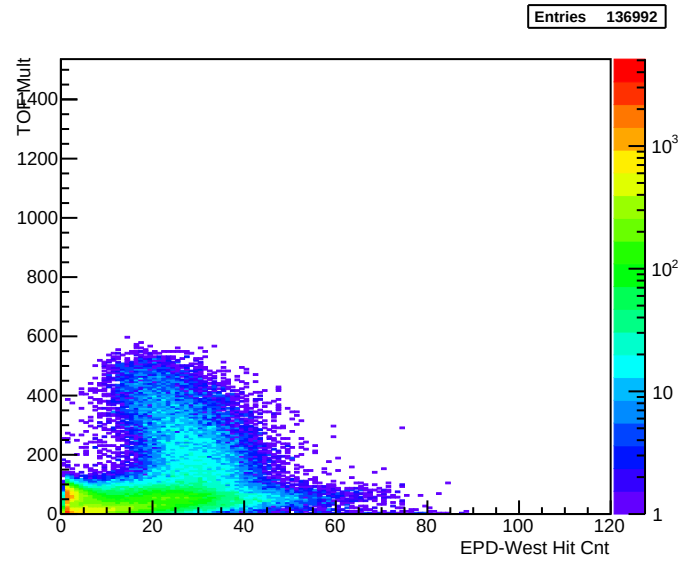

VT201 Input Ch4: VPD Adc Sum Th
Entries 273984
108649
83450
28343
53542
East
West

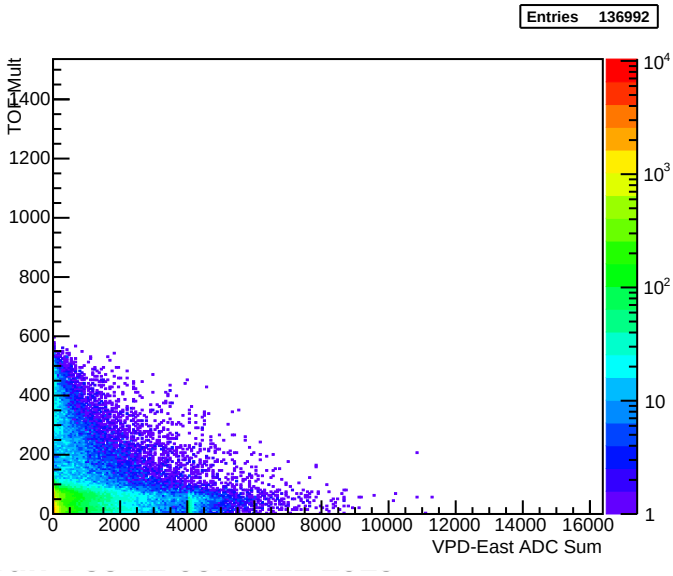

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

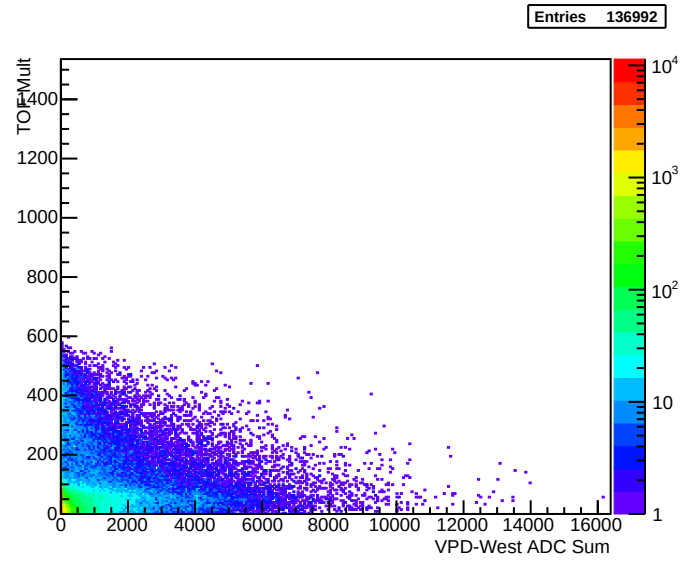

Entries 136992
TOF-Mult
BBC-S-East ADC Sum

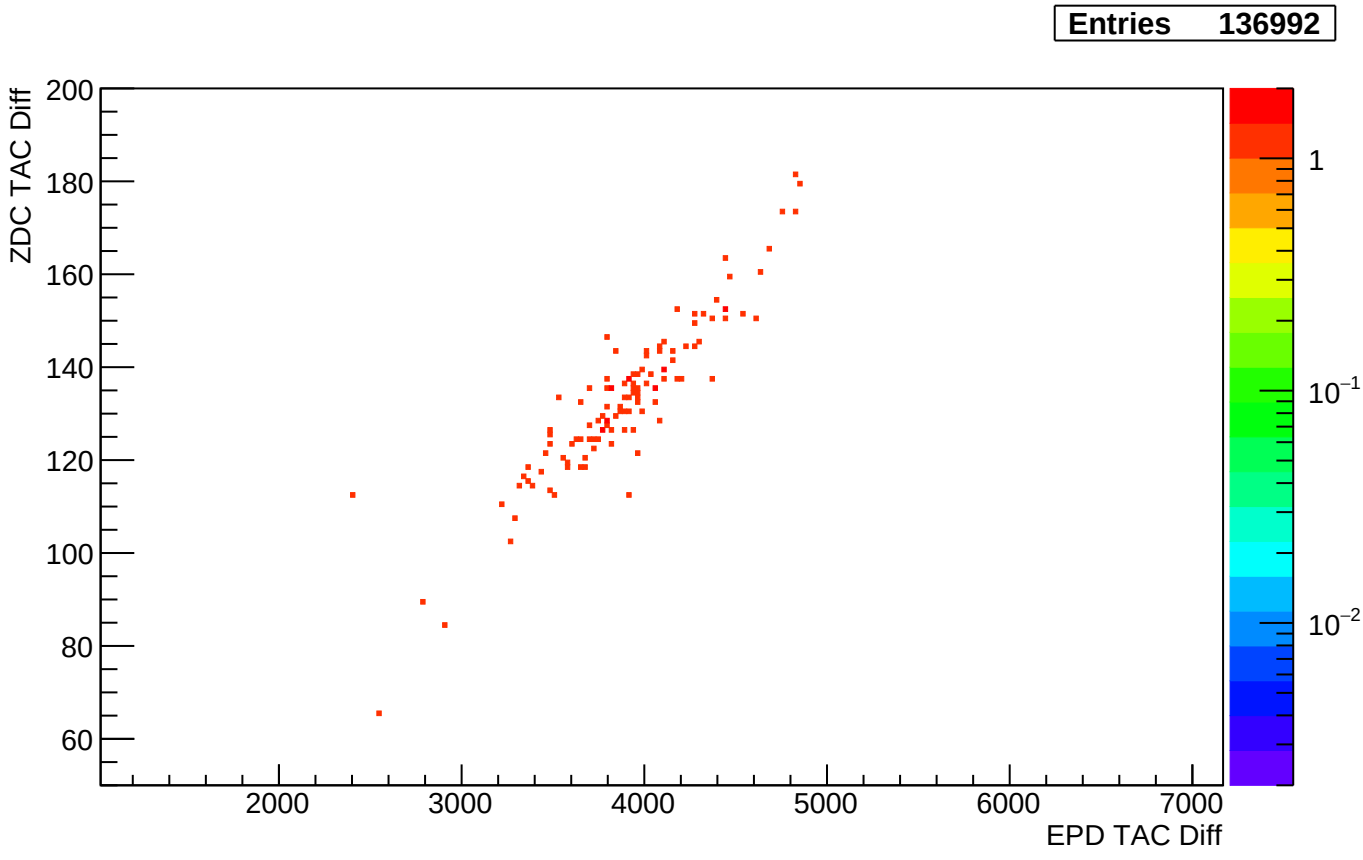

Entries 136992
TOF-Mult
BBC-S-West ADC Sum

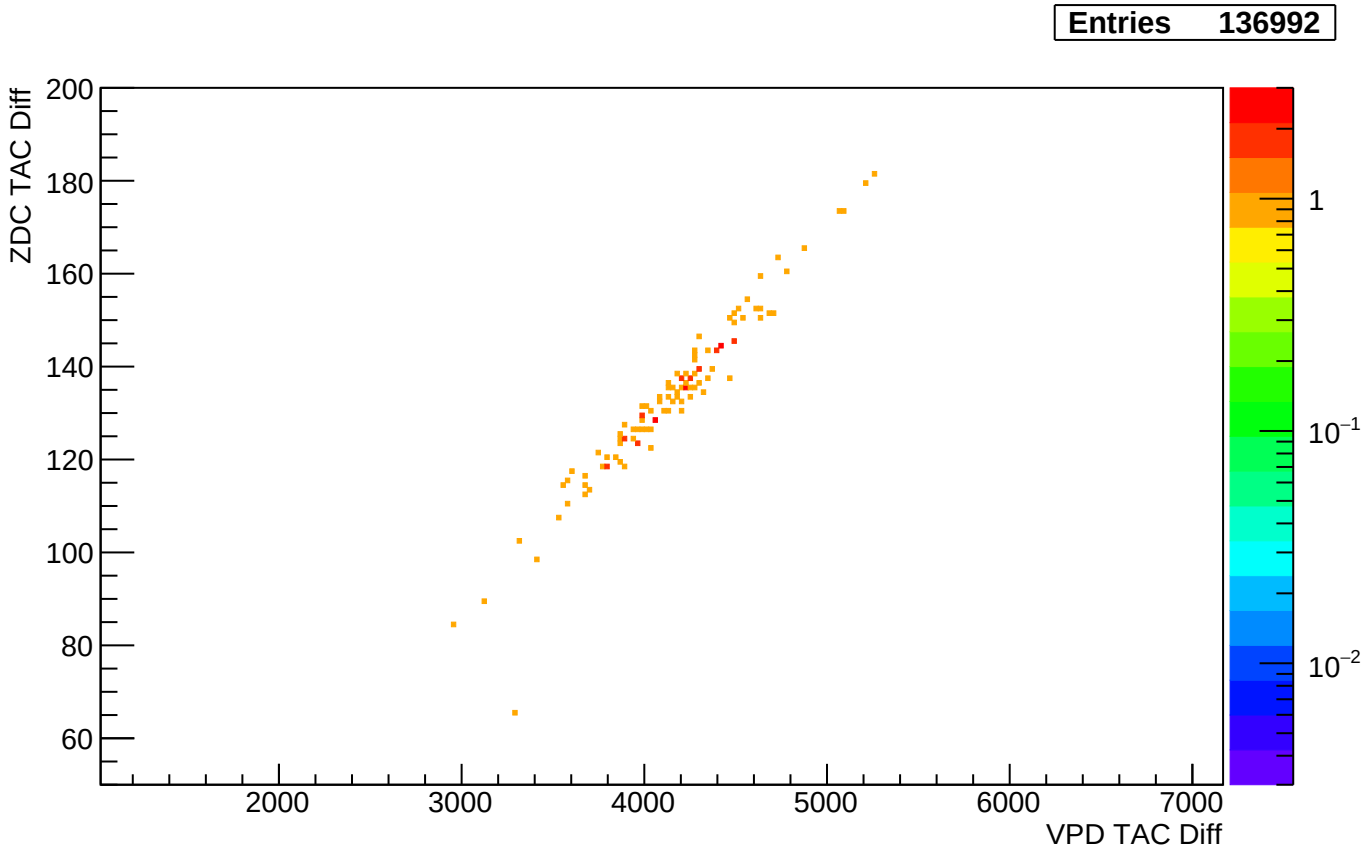

Entries 136992
TOF-Mult
EPD-East Hit Cnt

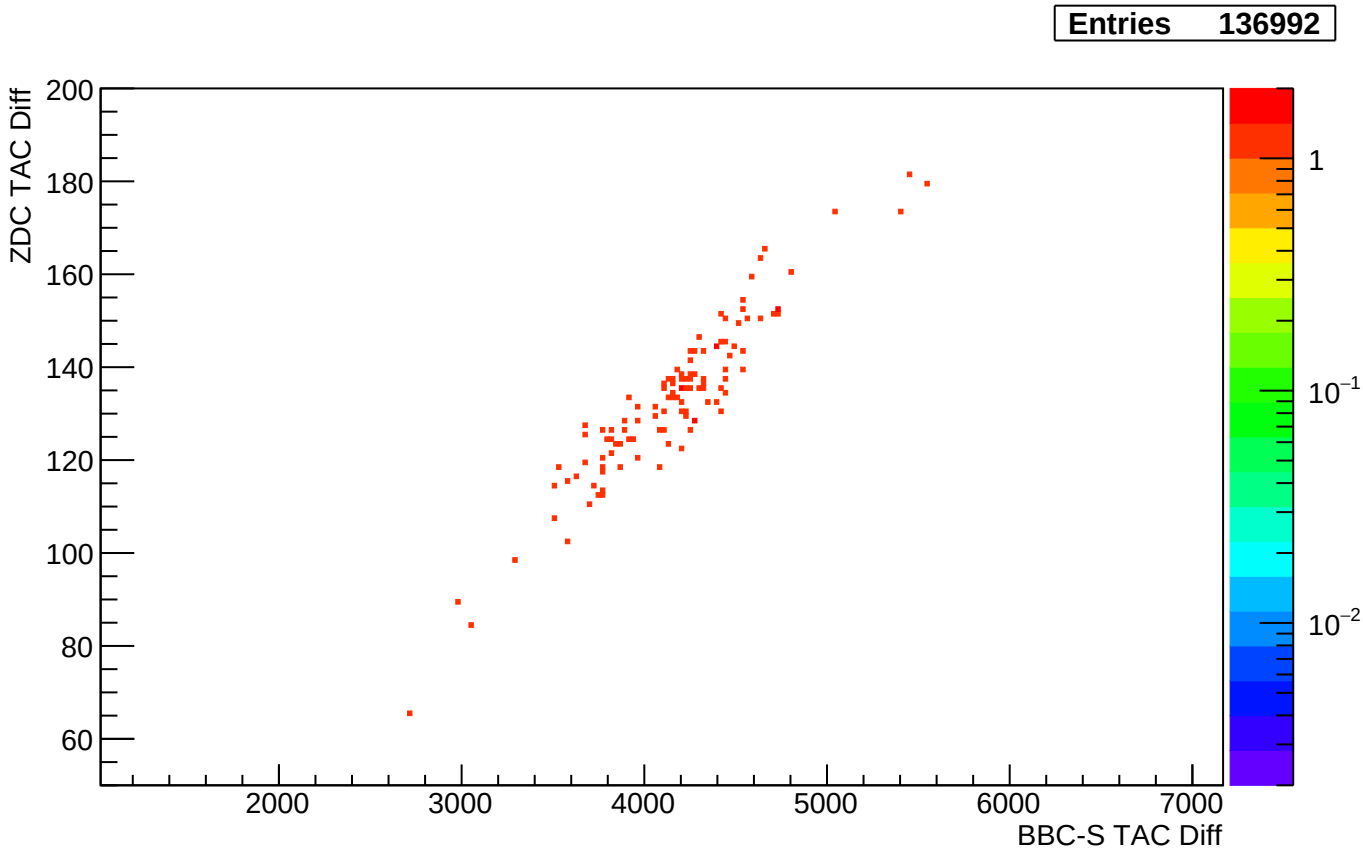

Entries 136992
TOF-Mult
EPD-West Hit Cnt

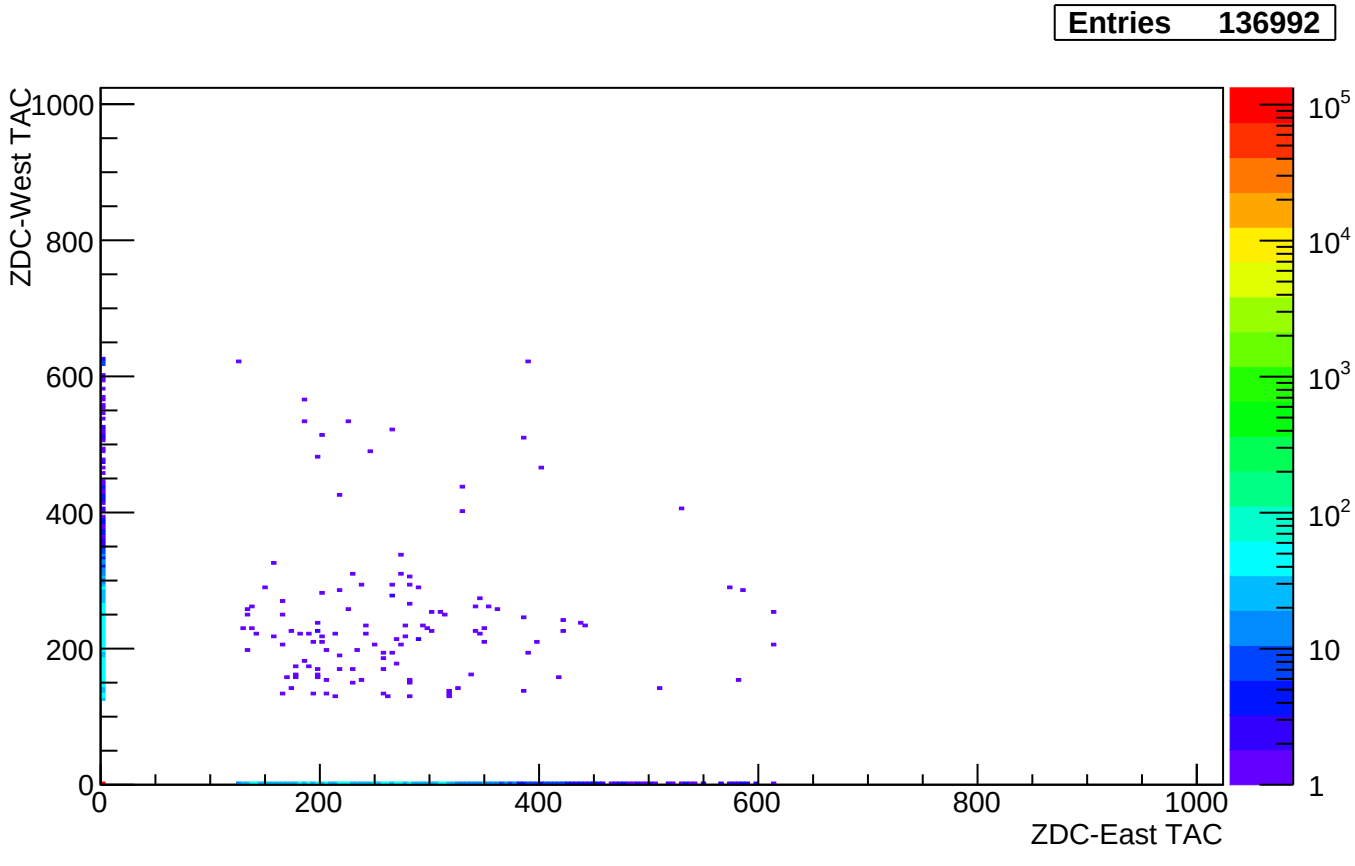

Entries 136992
TOF-Mult
VPD-East ADC Sum

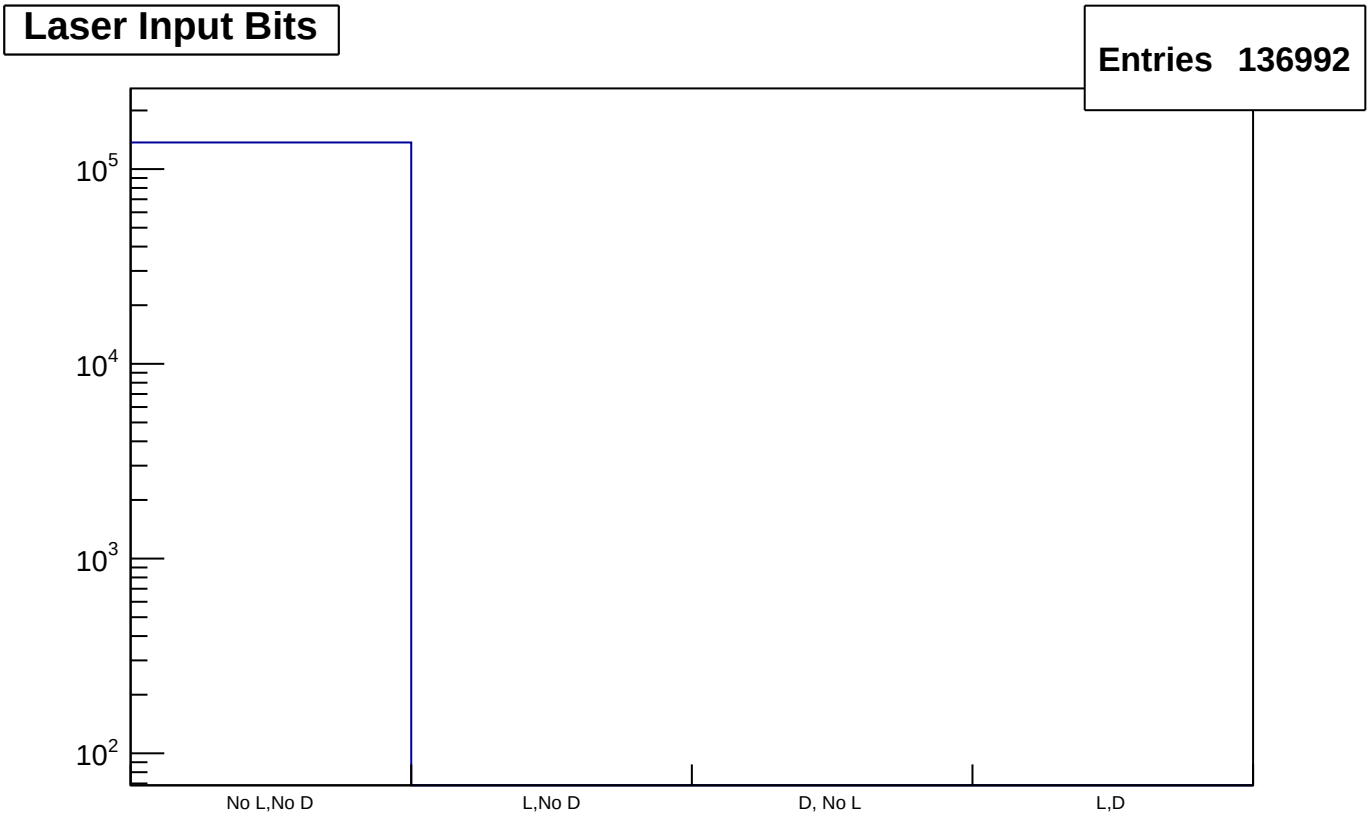

Entries 136992
TOF-Mult
VPD-West ADC Sum

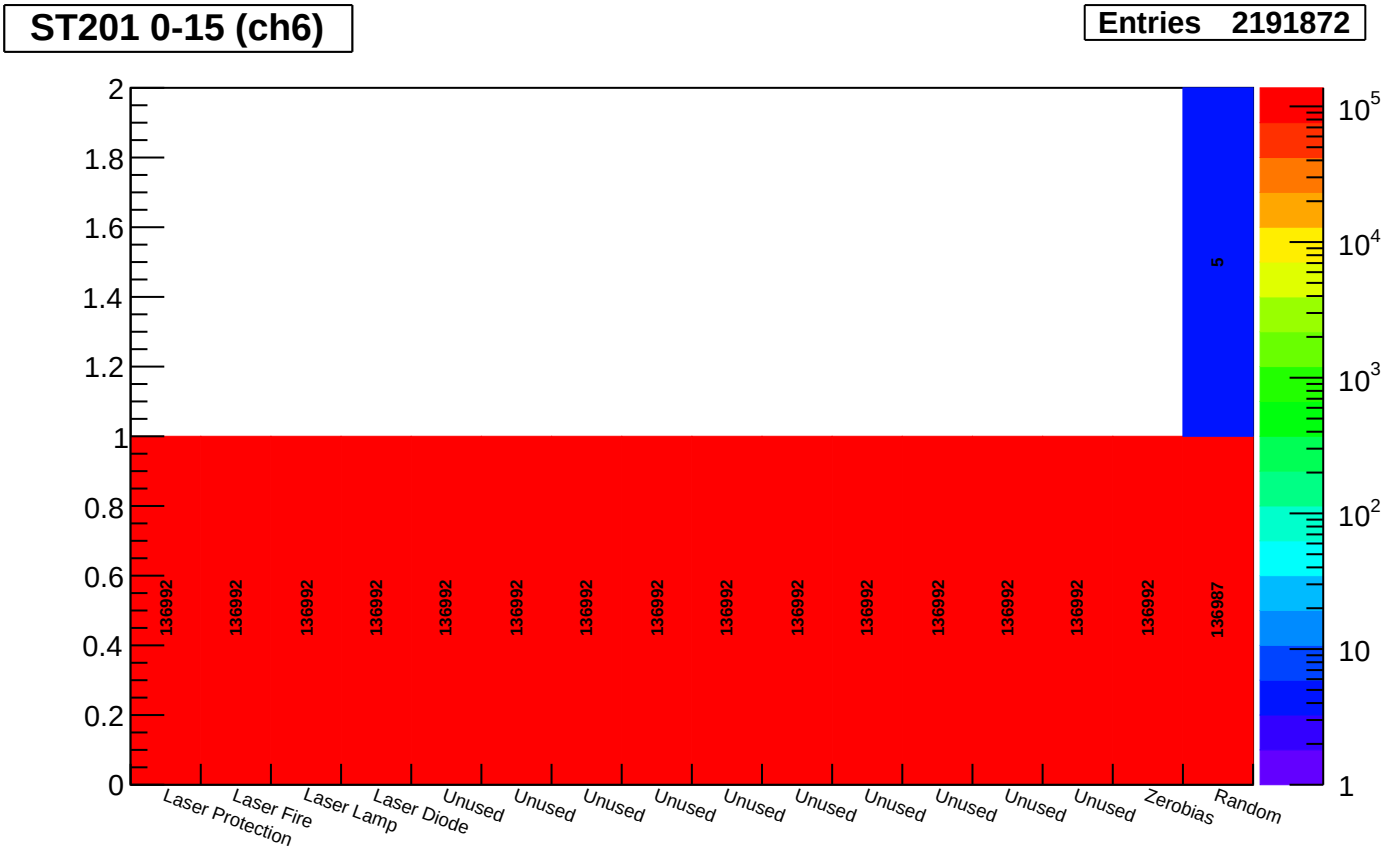

Entries 136992
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

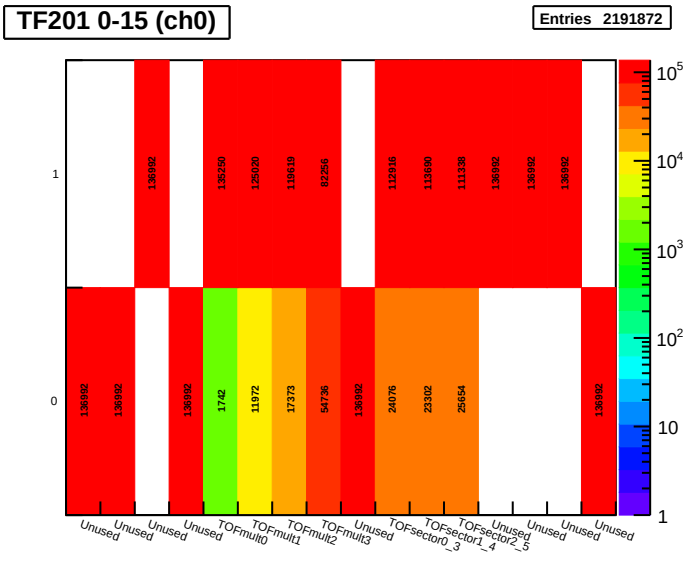

Entries 136992
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

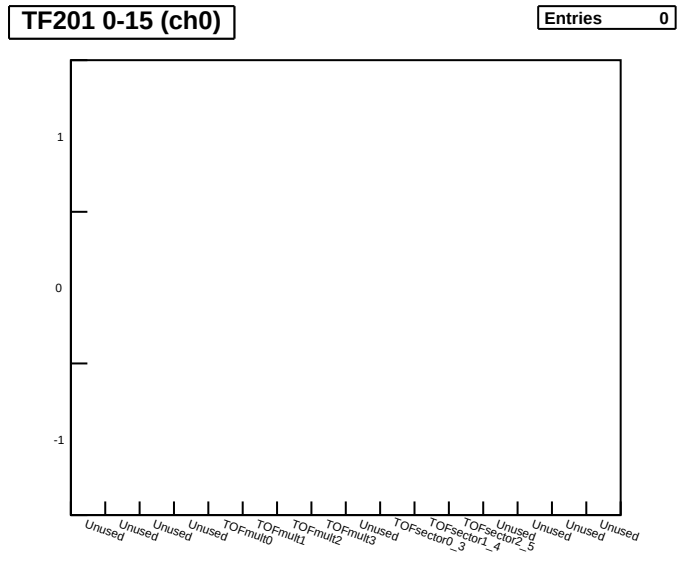

Entries 136992
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
$10^{-1}$
$10^{-2}$

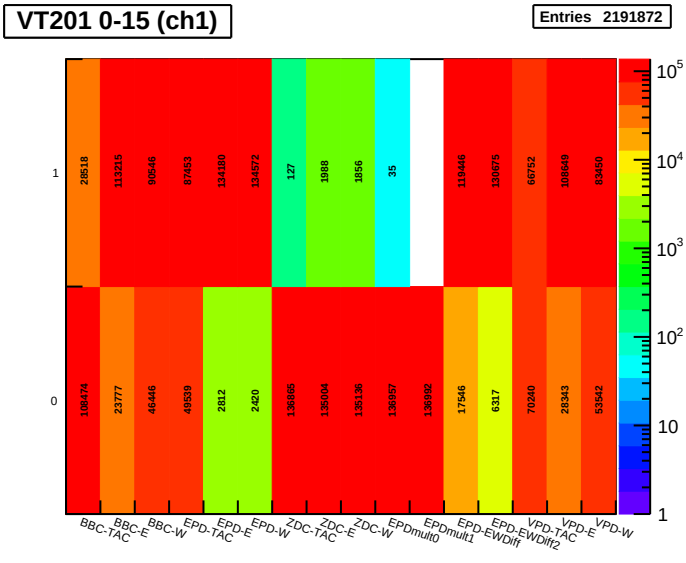

Entries 136992
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

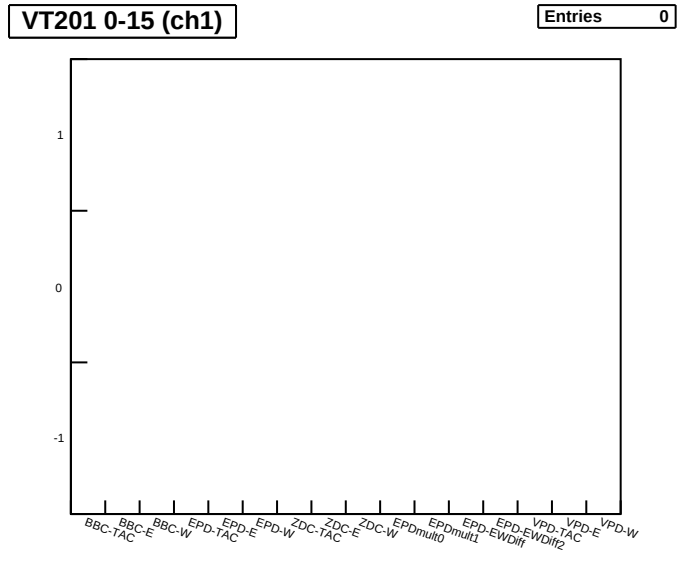

Laser Input Bits
Entries 136992
$10^5$
$10^4$
$10^3$
$10^2$
No L,No D
L,No D
D, No L
L,D

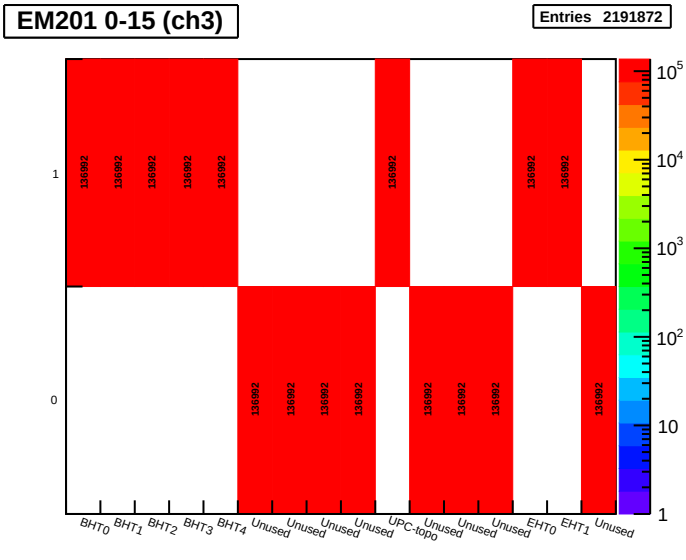

ST201 0-15 (ch6)
Entries 2191872
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
136992
136992
136992
136992
136992
136992
136992
136992
136992
136992
136992
136992
136992
136992
136992
136987
5
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

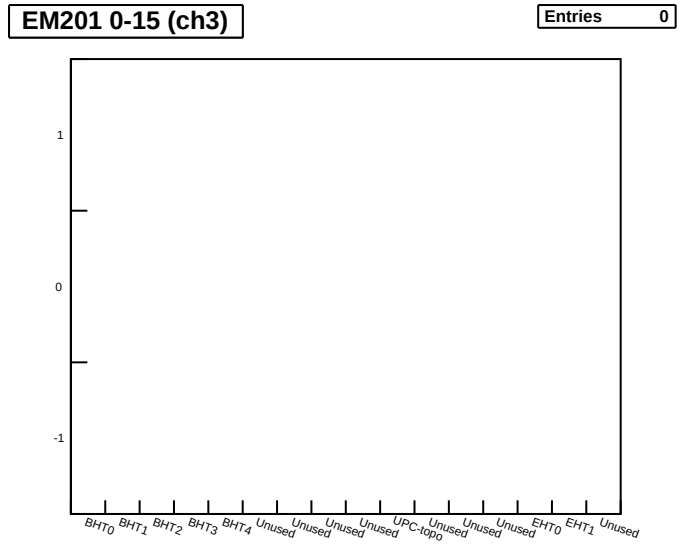

TF201 0-15 (ch0)
Entries 2191872
1
0
136992 136992 136992 136992 135250 125020 110619 82256 112916 113690 111338 136992 136992 136992
136992 136992 136992 1742 11972 17373 54736 136992 24076 23302 25654 136992
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
$10^5$ $10^4$ $10^3$ $10^2$ 10 1


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


VT201 0-15 (ch1)
Entries 2191872
1
0
28518 113215 90546 87453 134180 134572 127 1988 1856 35 119446 130675 66752 108649 83450
108474 23777 46446 49539 2812 2420 136865 135004 135136 136957 136992 17546 6317 70240 28343 53542
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
$10^5$ $10^4$ $10^3$ $10^2$ 10 1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 2191872
1
0
136992 136992 136992 136992 136992 136992 136992 136992 136992
136992 136992 136992 136992 136992 136992 136992 136992
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
$10^5$ $10^4$ $10^3$ $10^2$ 10 1


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