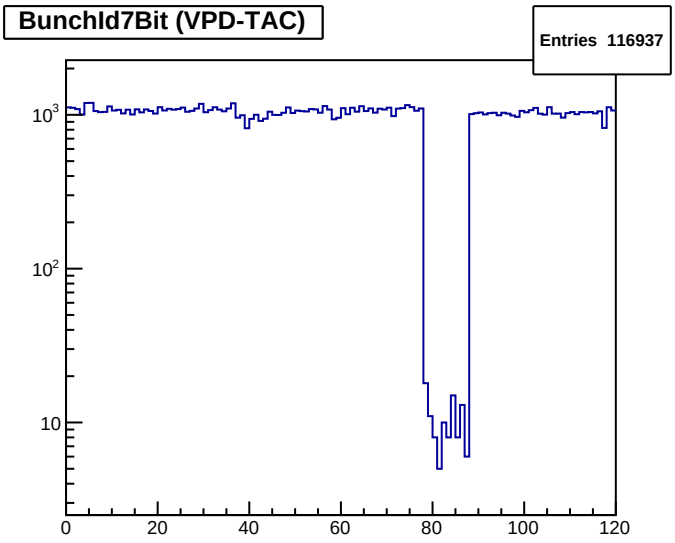
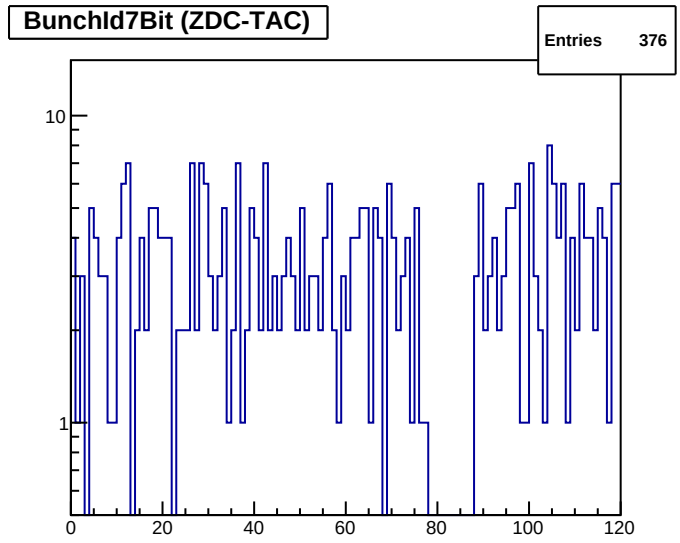
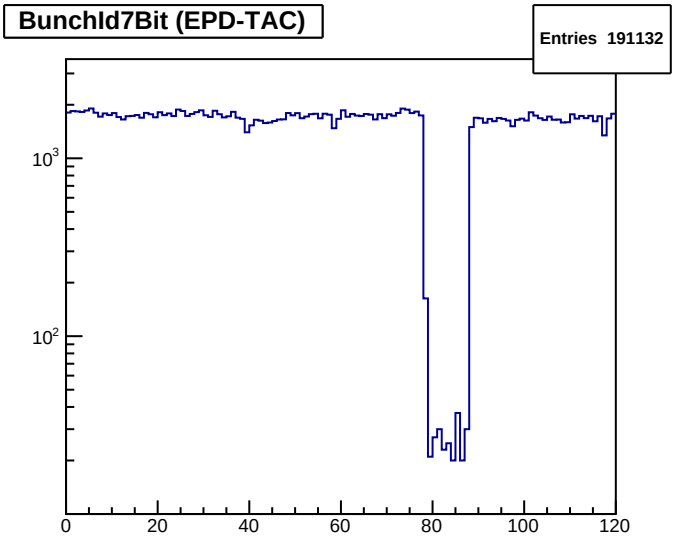
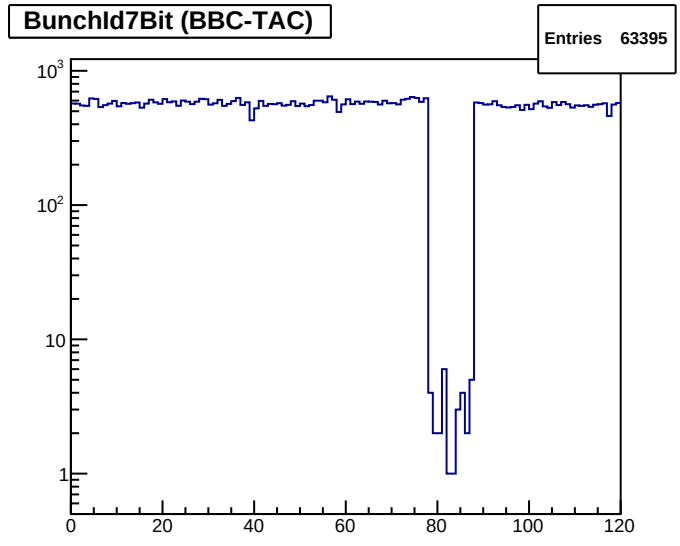
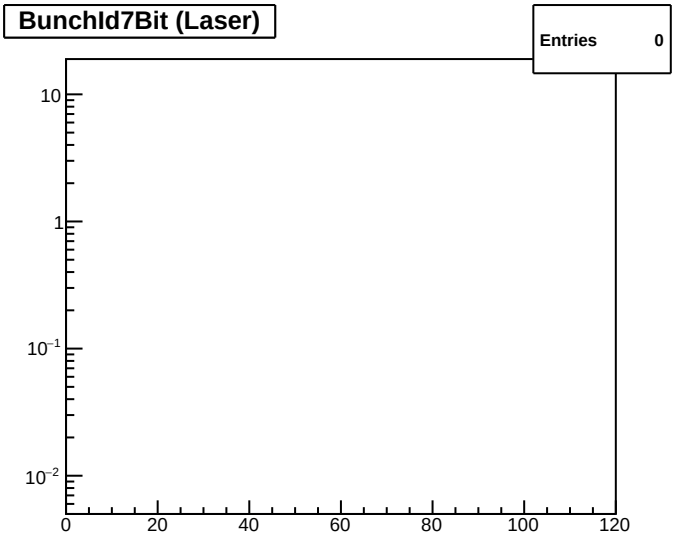
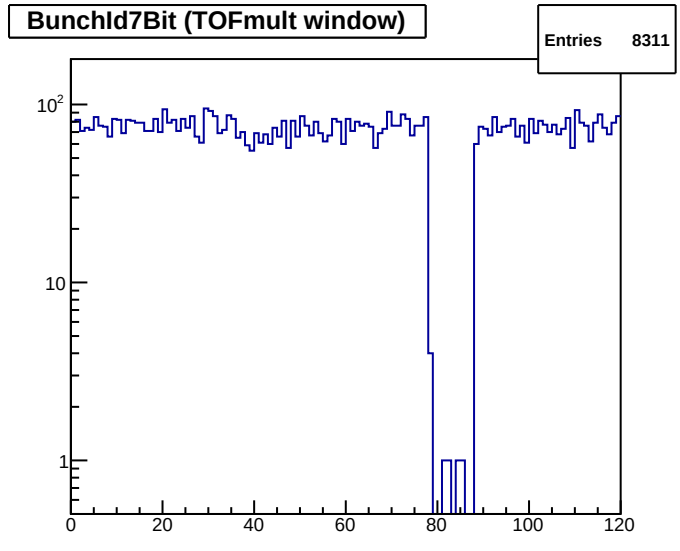

BunchId7Bit (VPD-TAC)
Entries 116937

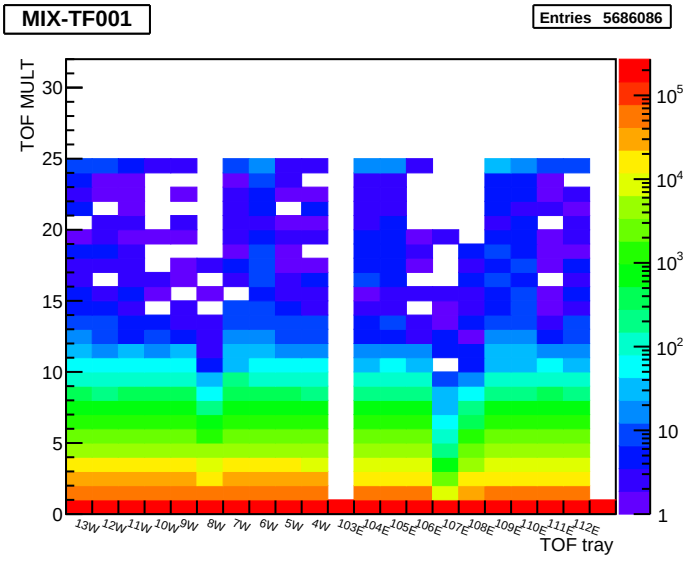

BunchId7Bit (ZDC-TAC)
Entries 376

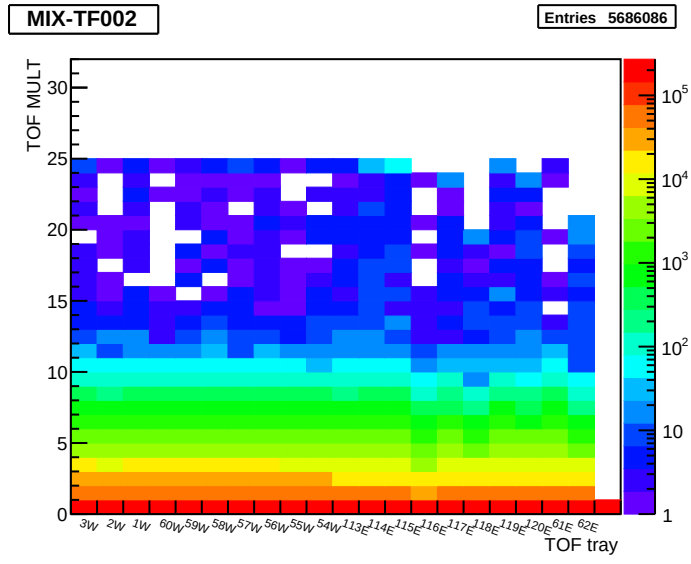

BunchId7Bit (EPD-TAC)
Entries 191132

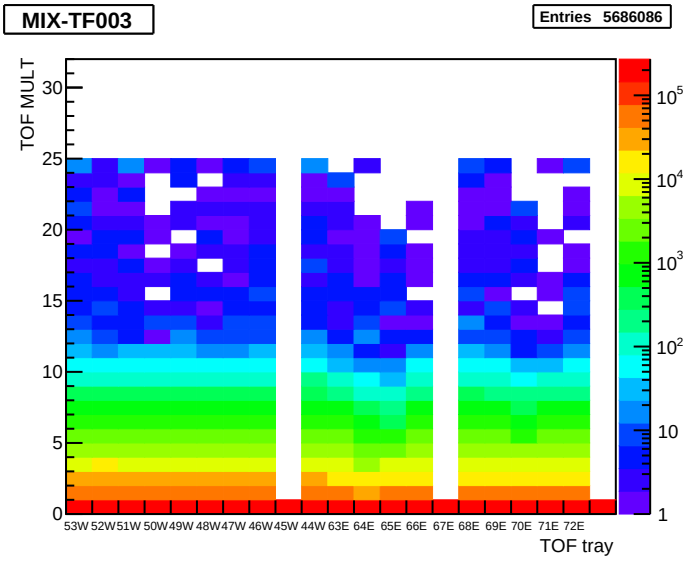

BunchId7Bit (BBC-TAC)
Entries 63395

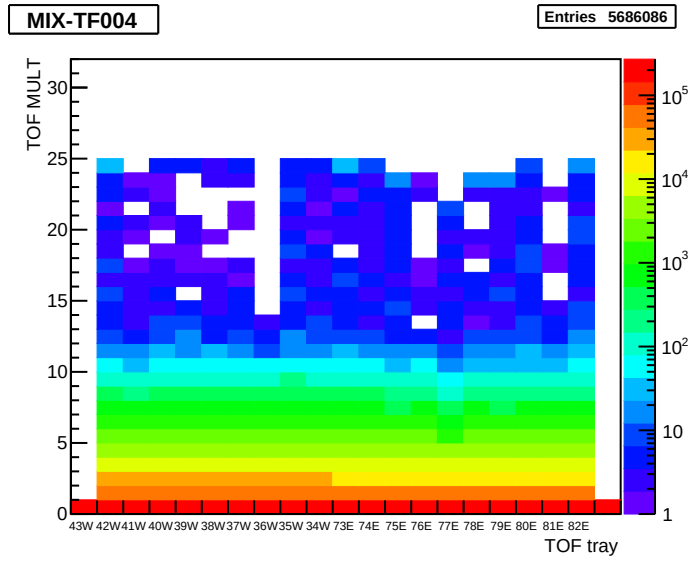

BunchId7Bit (Laser)
Entries 0

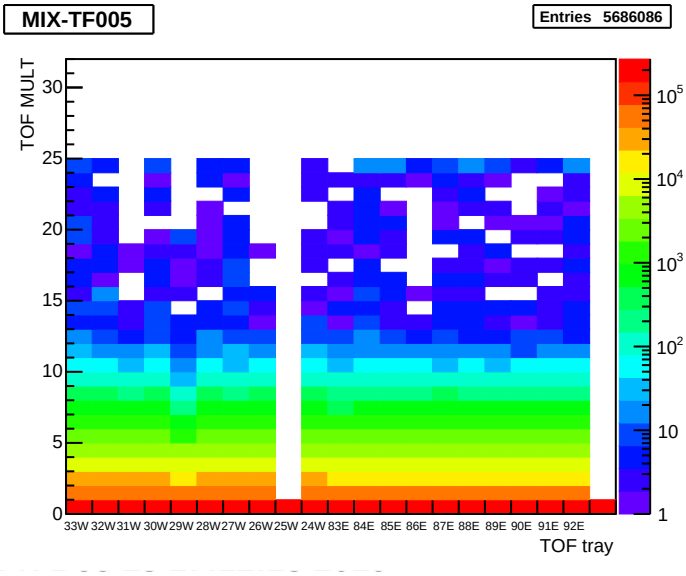

BunchId7Bit (TOFmult window)
Entries 8311

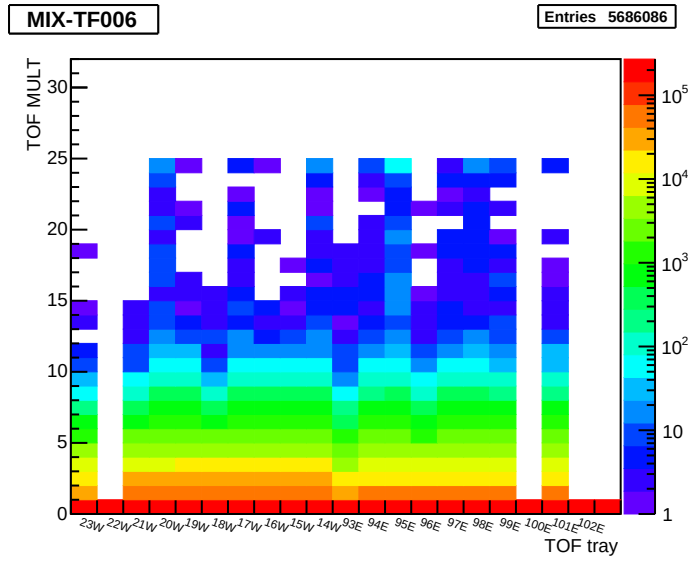

MIX-TF001
Entries 5686086
TOF MULT
TOF tray

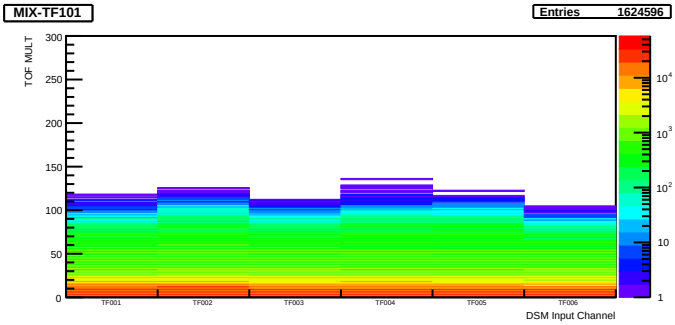

MIX-TF002
Entries 5686086
TOF MULT
TOF tray

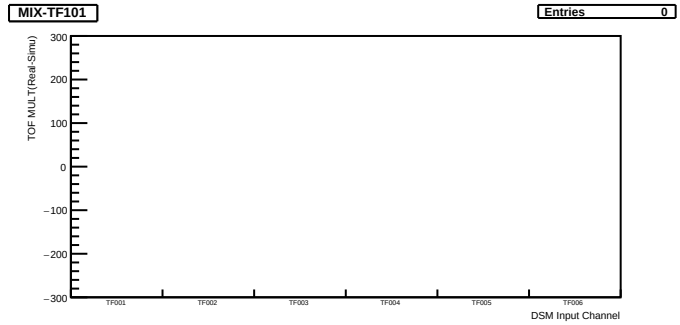

MIX-TF003
Entries 5686086
TOF MULT
TOF tray

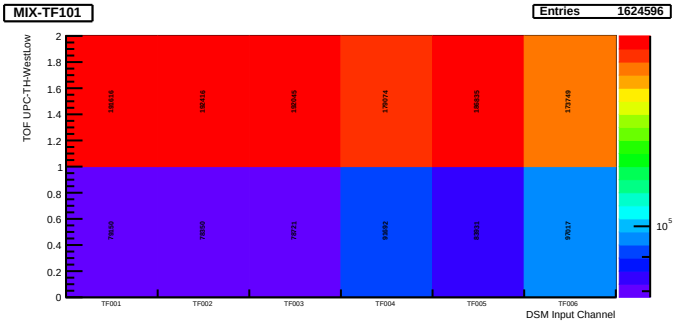

MIX-TF004
Entries 5686086
TOF MULT
TOF tray

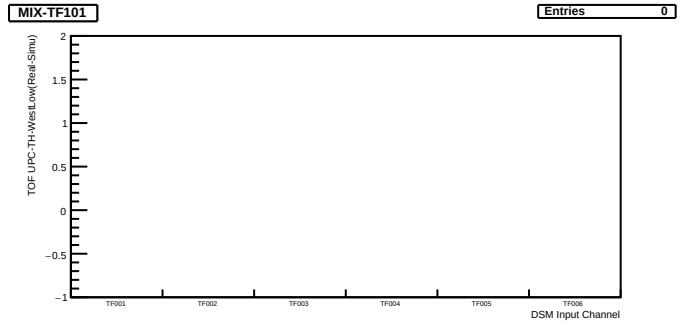

MIX-TF005
Entries 5686086
TOF MULT
TOF tray

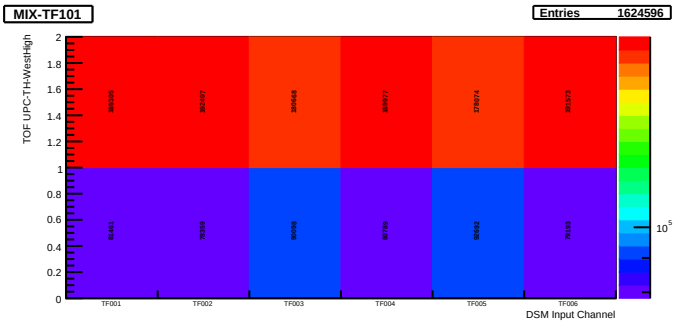

MIX-TF006
Entries 5686086
TOF MULT
TOF tray

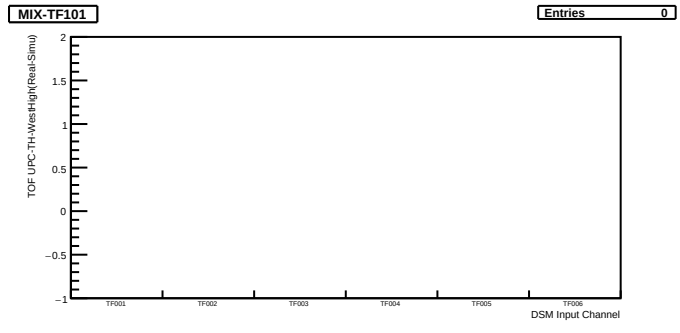

MIX-TF101
Entries 1624596
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

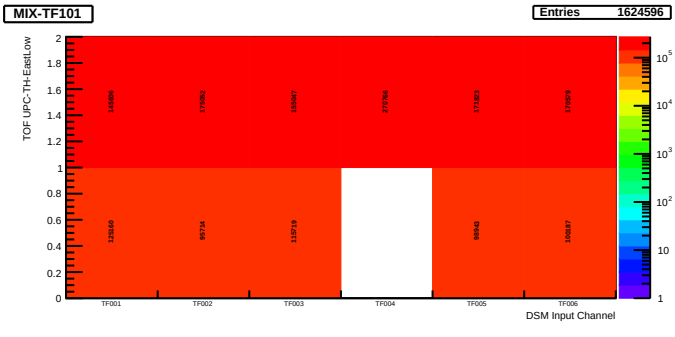

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

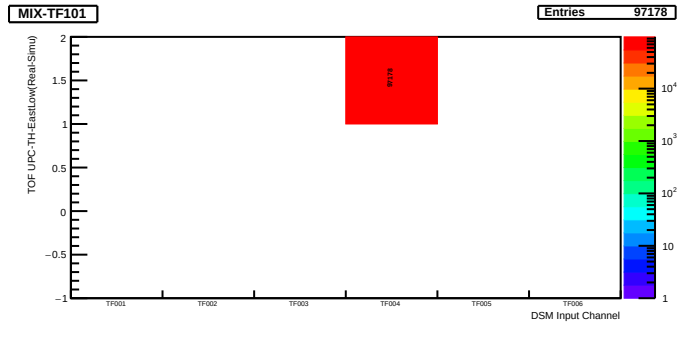

MIX-TF101
Entries 1624596
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

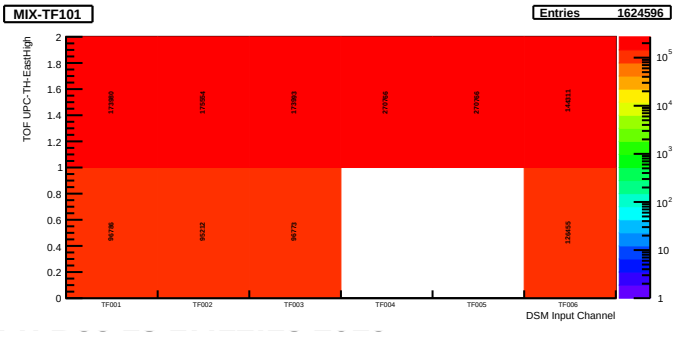

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

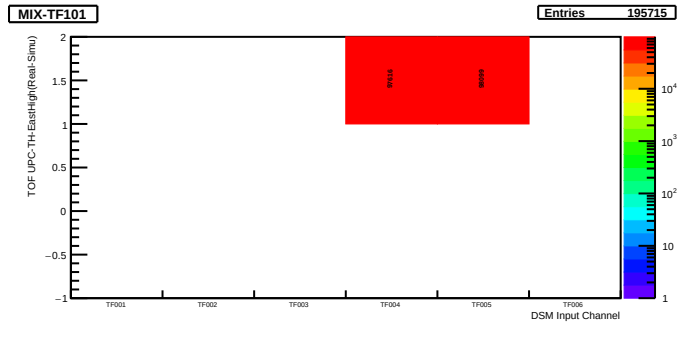

MIX-TF101
Entries 1624596
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

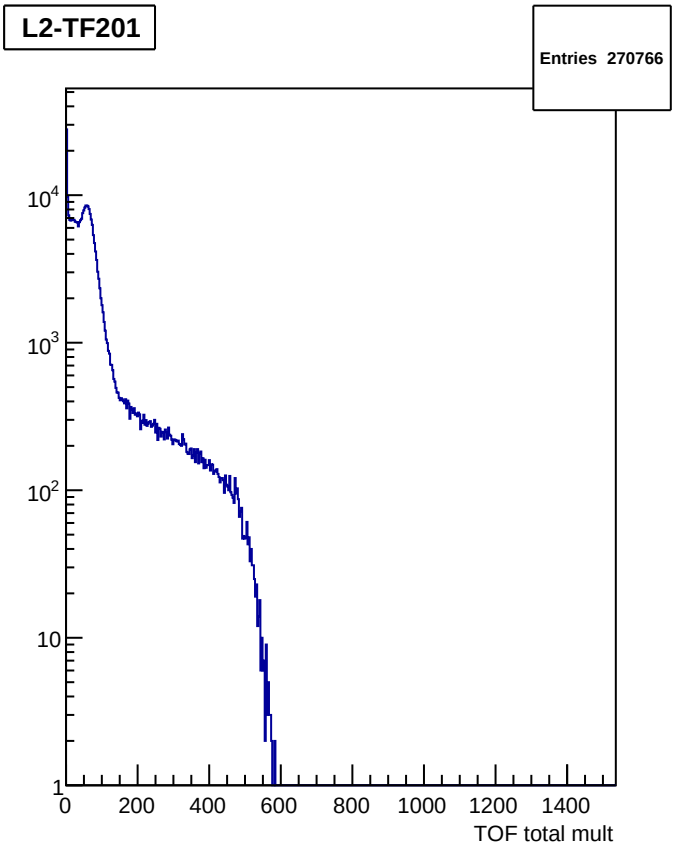

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

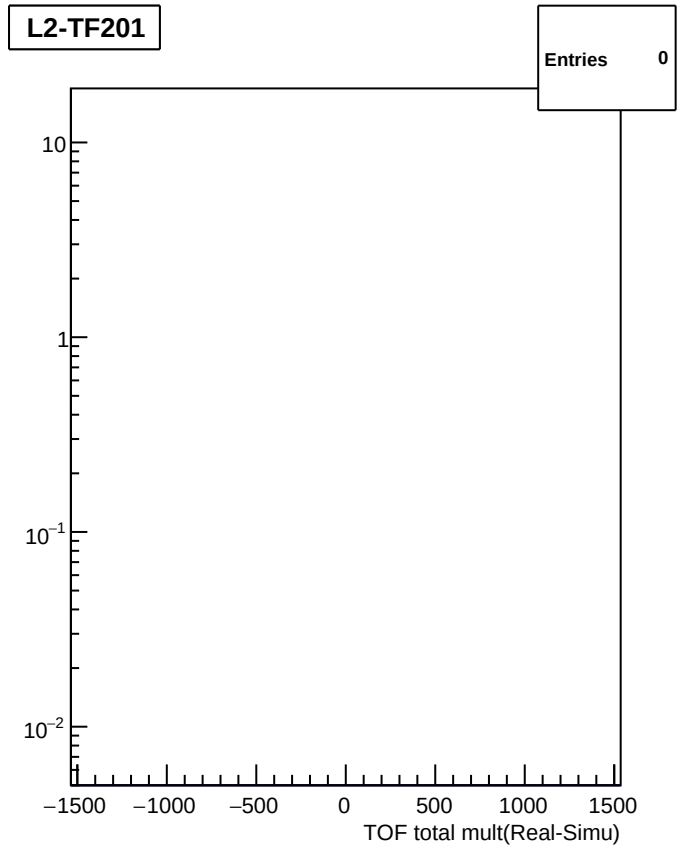

MIX-TF101
Entries 1624596
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

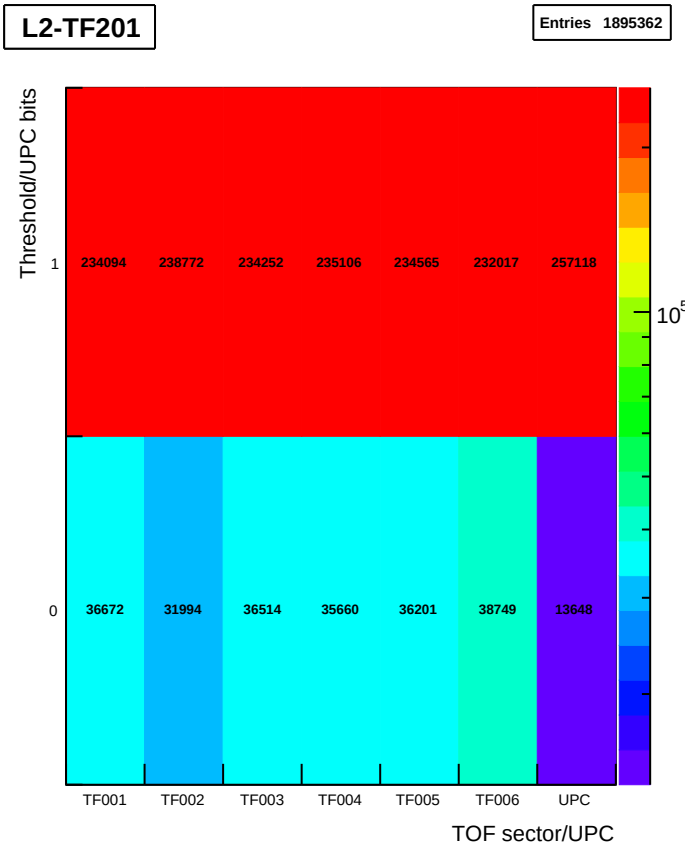

MIX-TF101
Entries 97178
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

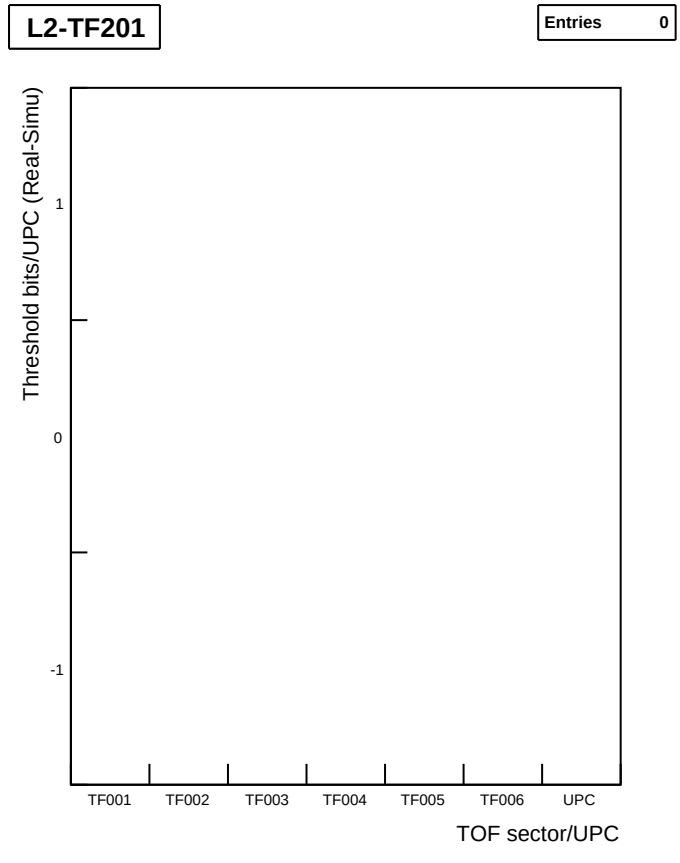

MIX-TF101
Entries 1624596
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

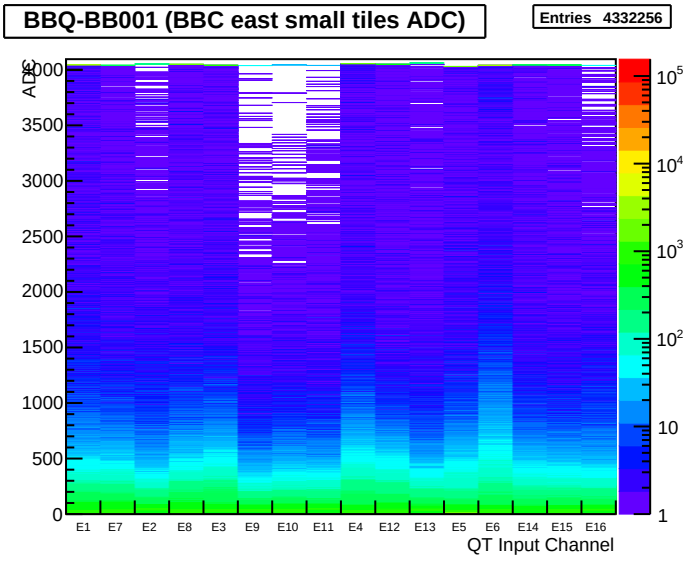

MIX-TF101
Entries 195715
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

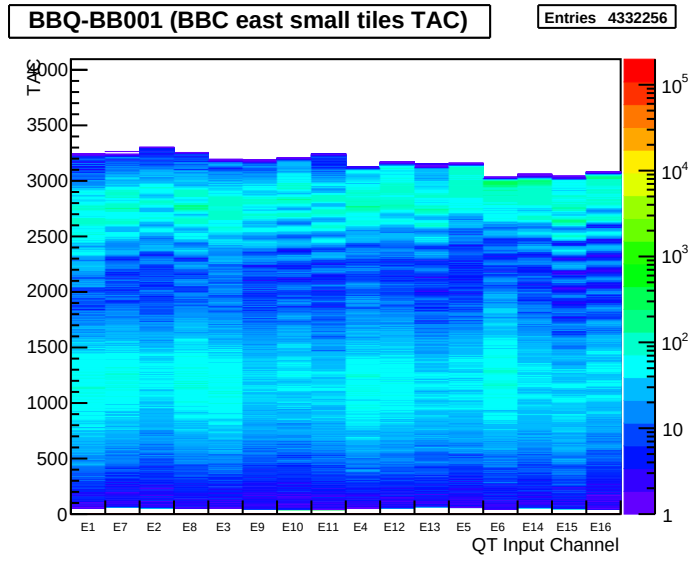

L2-TF201
Entries 270766
TOF total mult

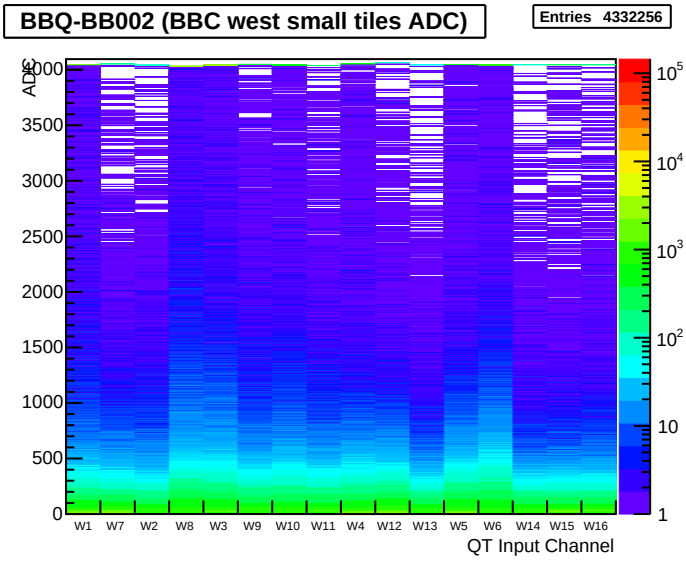

L2-TF201
Entries 0
TOF total mult(Real-Simu)

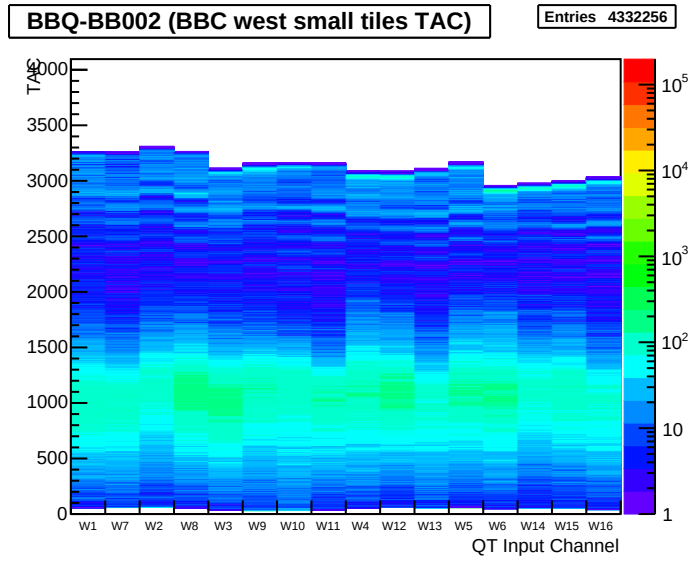

L2-TF201
Entries 1895362
Threshold/UPC bits
234094
238772
234252
235106
234565
232017
257118
36672
31994
36514
35660
36201
38749
13648
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

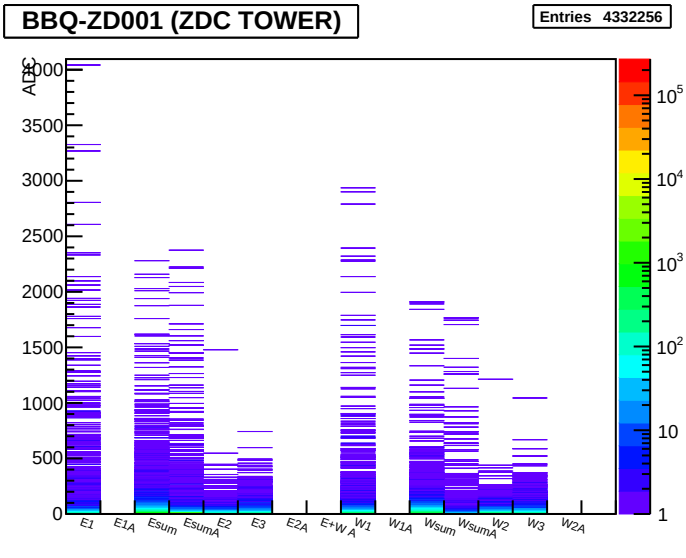

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

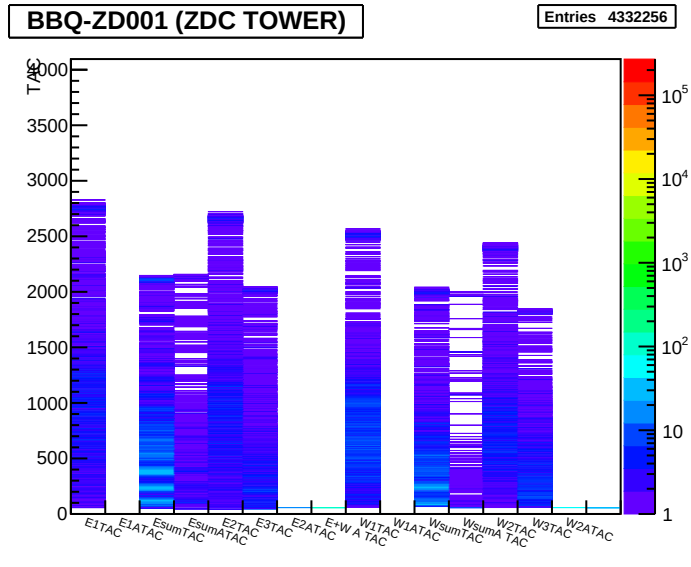

BBQ-BB001 (BBC east small tiles ADC)
Entries 4332256
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

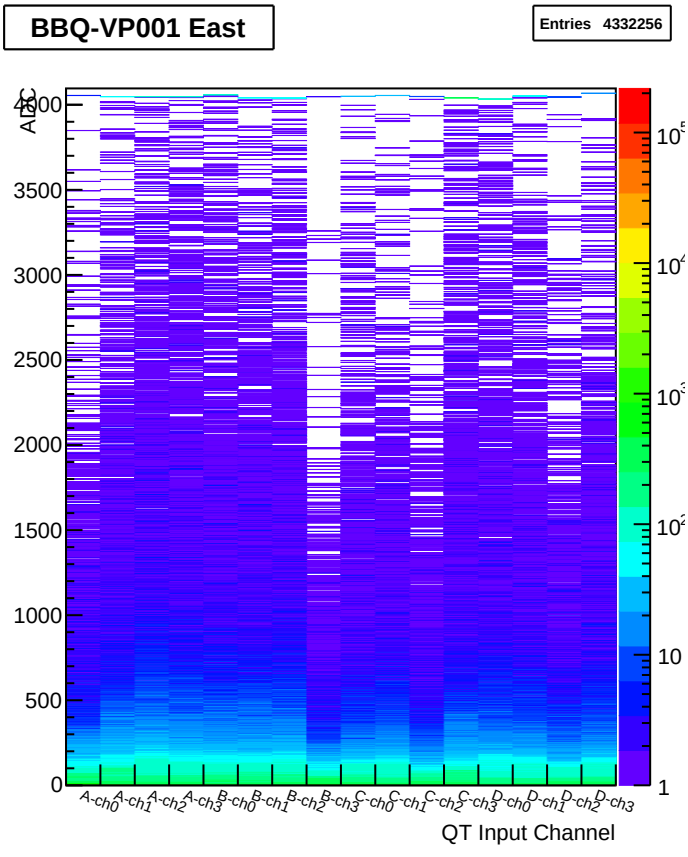

BBQ-BB001 (BBC east small tiles TAC)
Entries 4332256
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

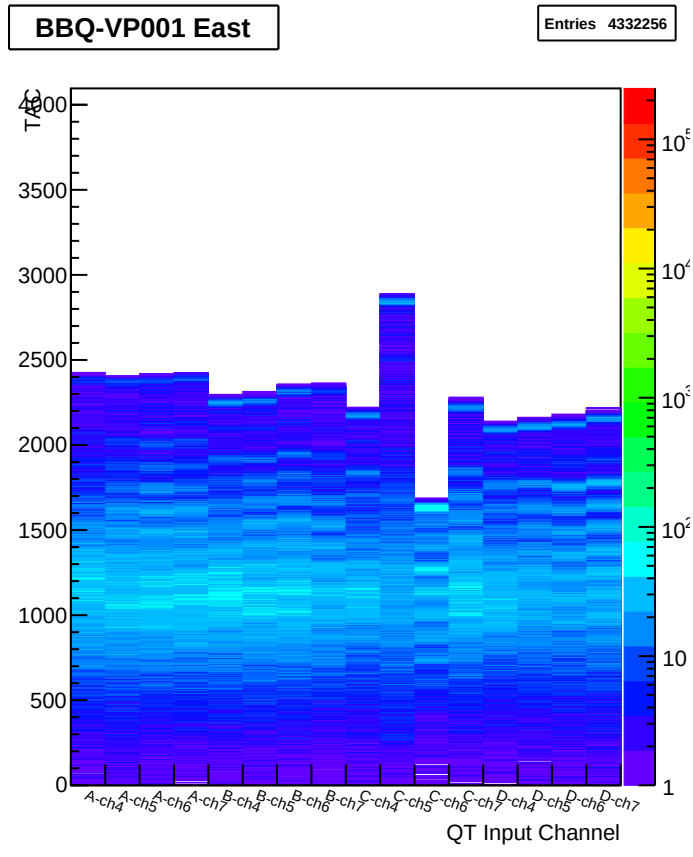

BBQ-BB002 (BBC west small tiles ADC)
Entries 4332256
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

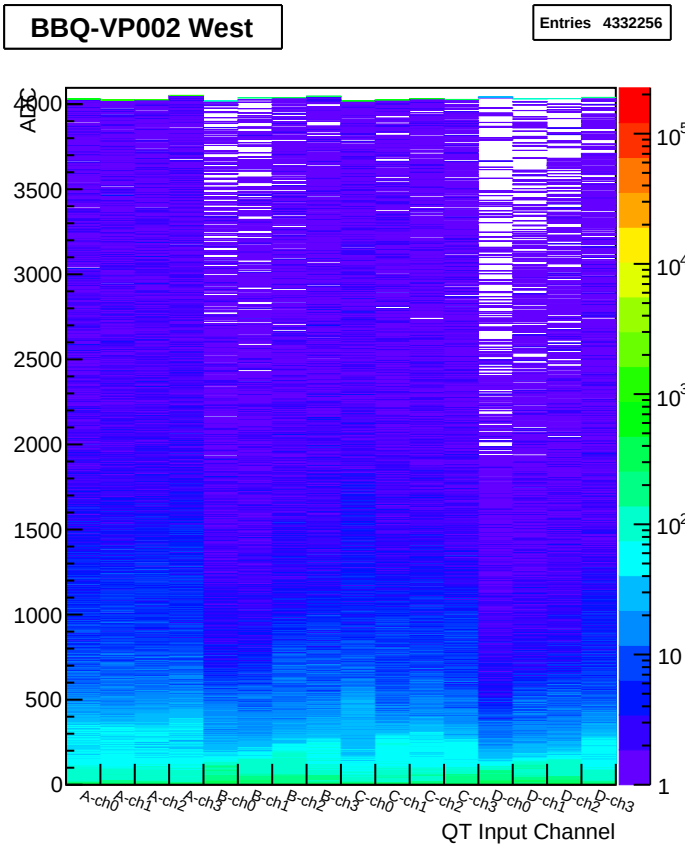

BBQ-BB002 (BBC west small tiles TAC)
Entries 4332256
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

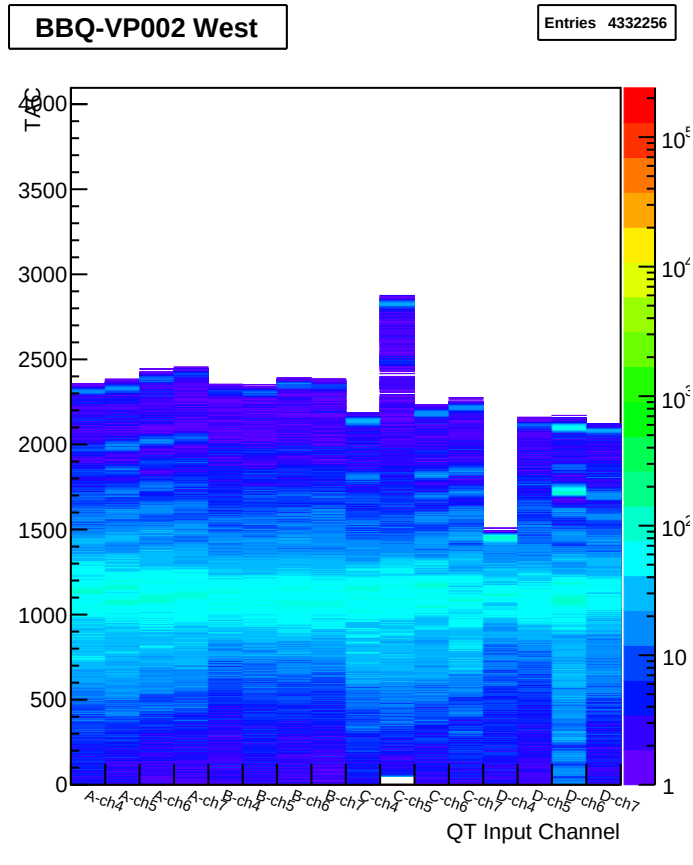

BBQ-ZD001 (ZDC TOWER)
Entries 4332256
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

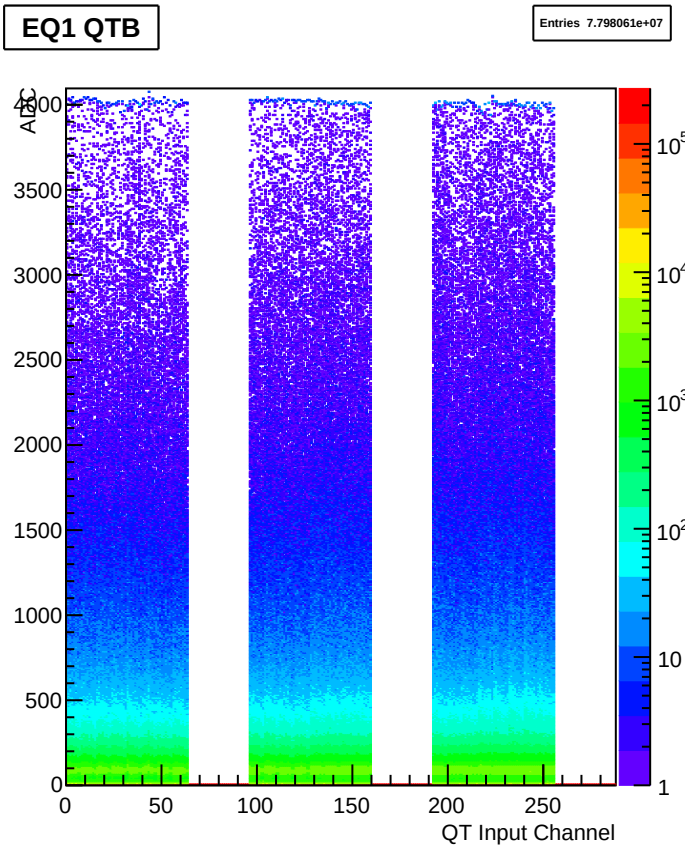

BBQ-ZD001 (ZDC TOWER)
Entries 4332256
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

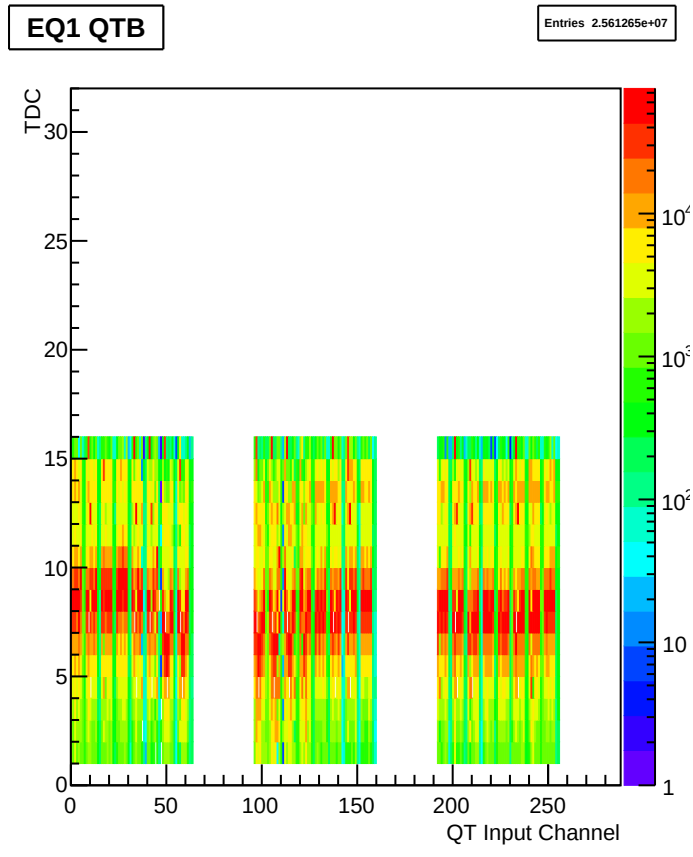

BBQ-VP001 East
Entries 4332256
ADC
QT Input Channel

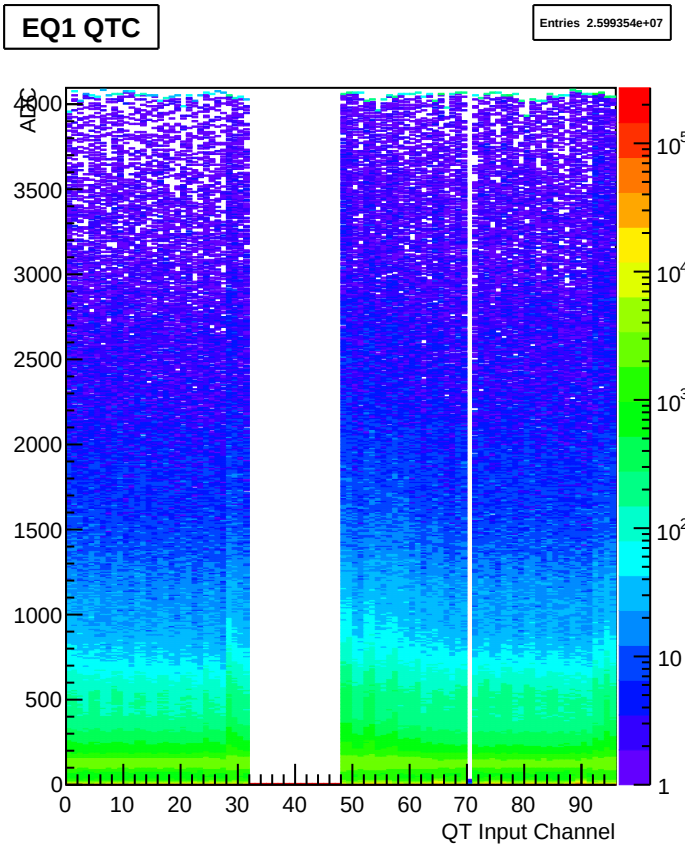

BBQ-VP001 East
Entries 4332256
TADC
QT Input Channel

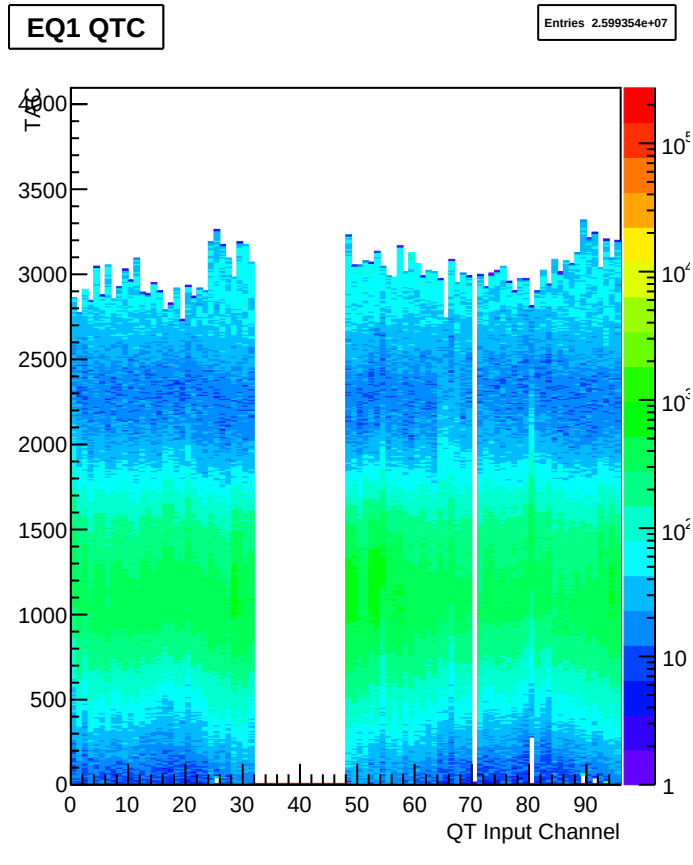

BBQ-VP002 West
Entries 4332256
ADC
QT Input Channel

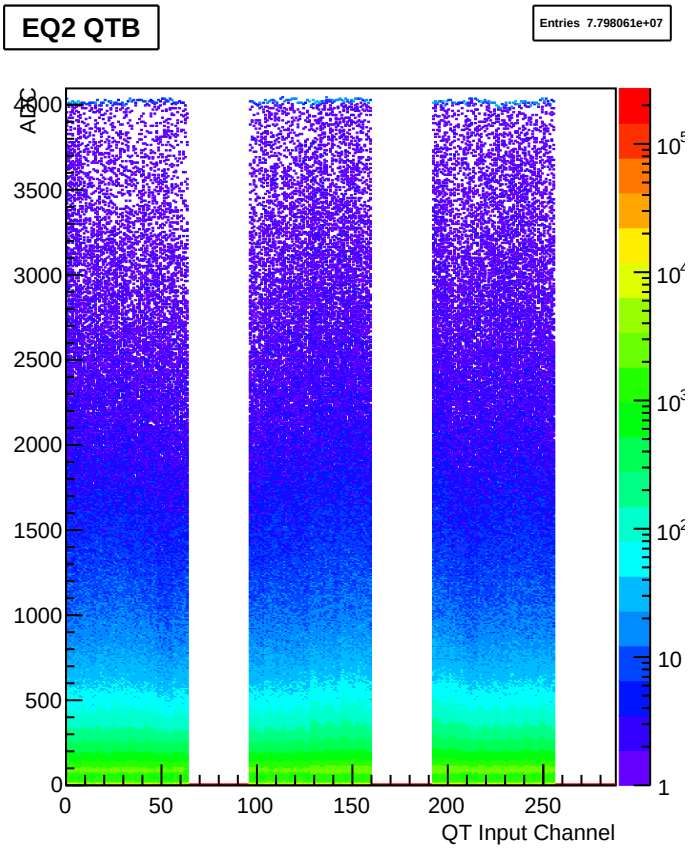

BBQ-VP002 West
Entries 4332256
TADC
QT Input Channel

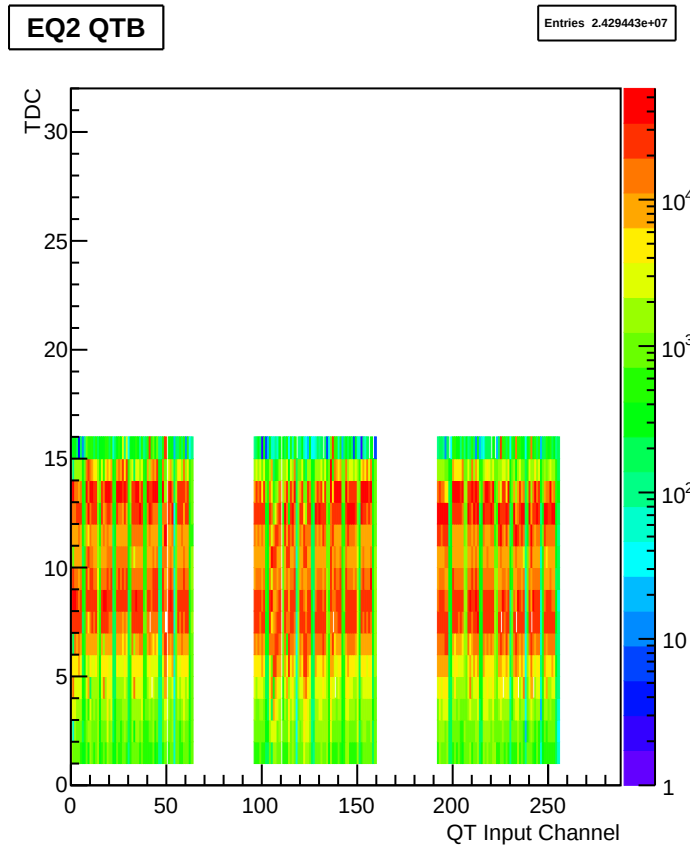

EQ1 QTB
Entries 7.798061e+07
ADC
QT Input Channel

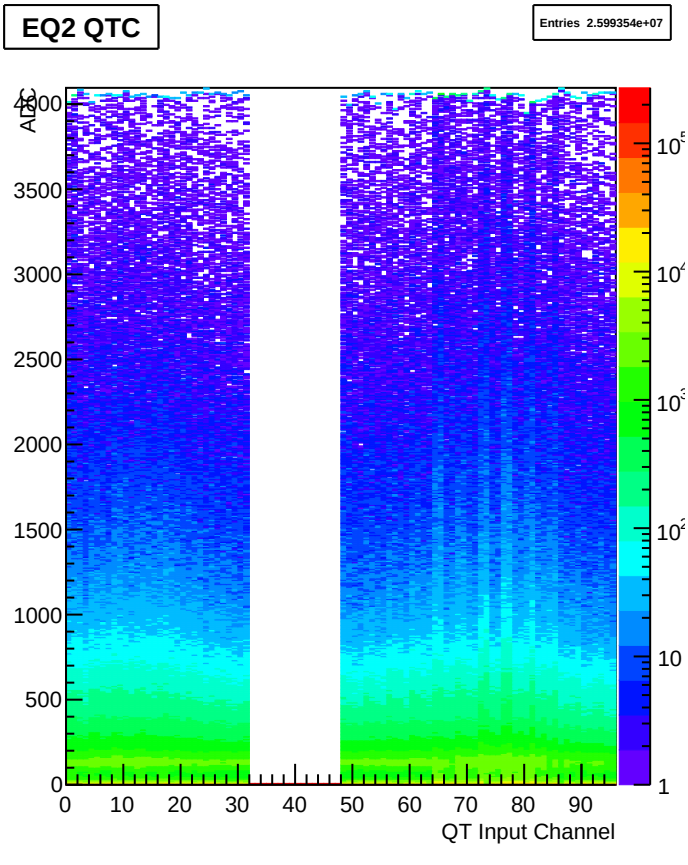

EQ1 QTB
Entries 2.561265e+07
TDC
QT Input Channel

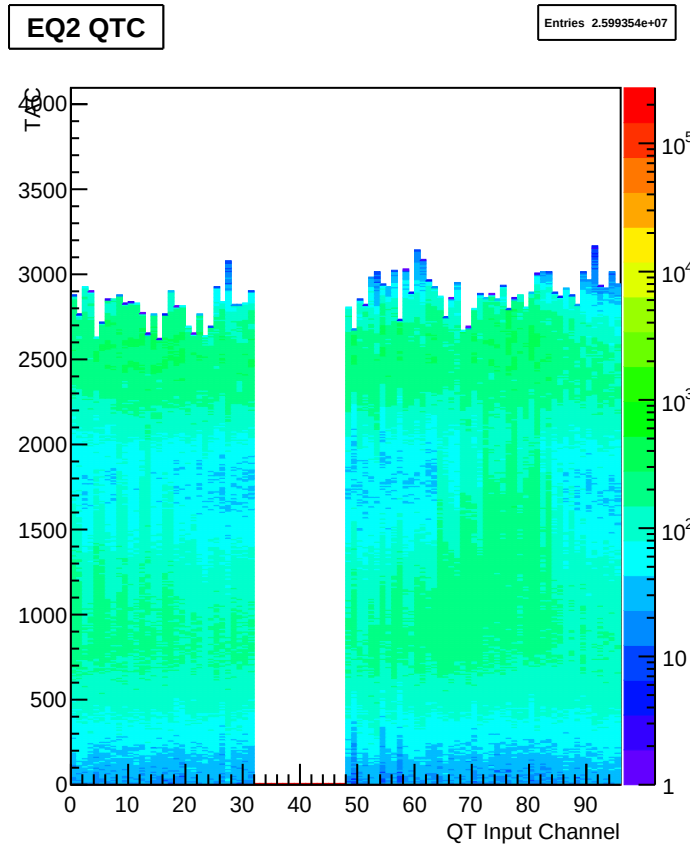

EQ1 QTC
Entries 2.599354e+07
ADC
QT Input Channel

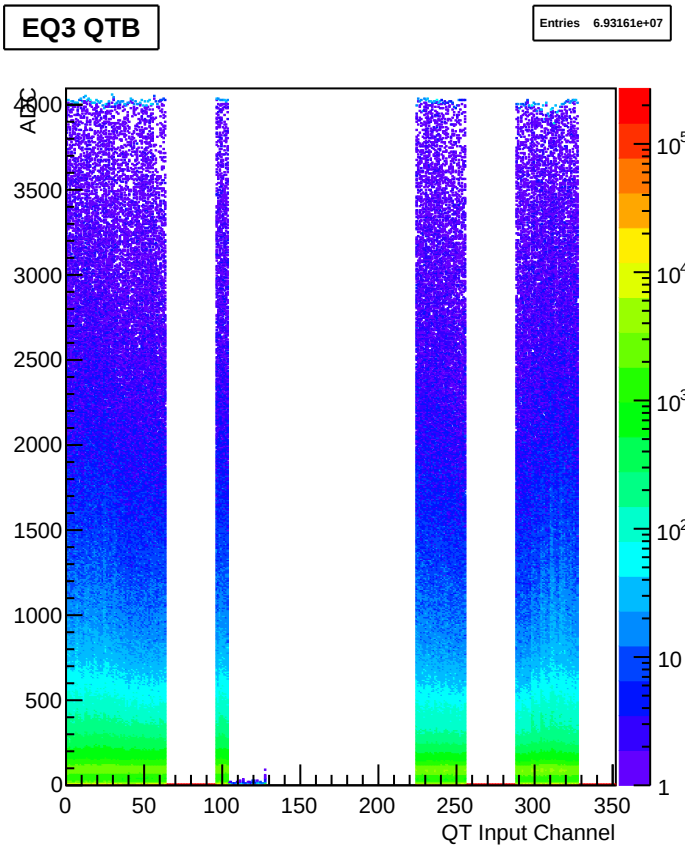

EQ1 QTC
Entries 2.599354e+07
TADC
QT Input Channel

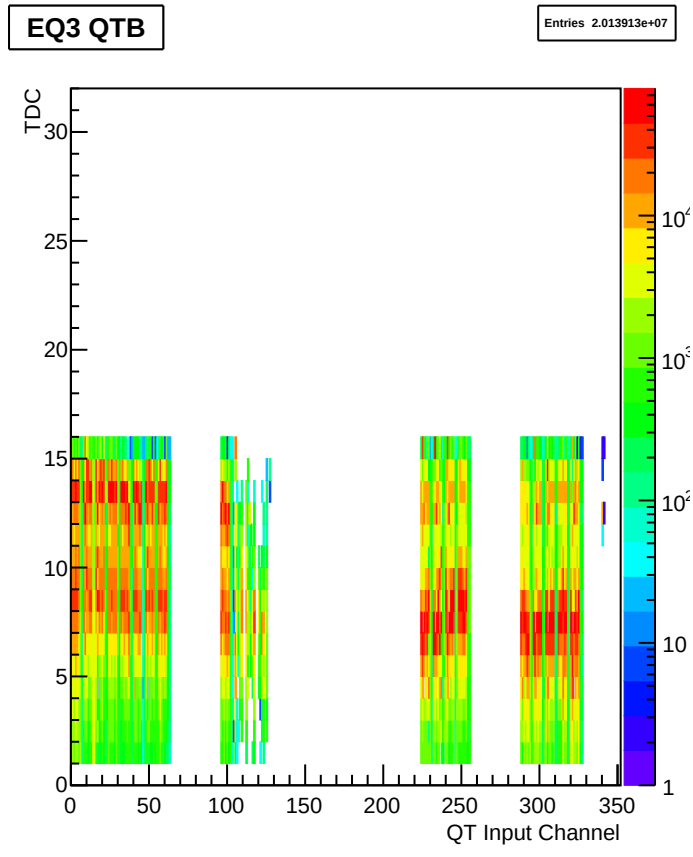

EQ2 QTB
Entries 7.798061e+07
ADC
QT Input Channel

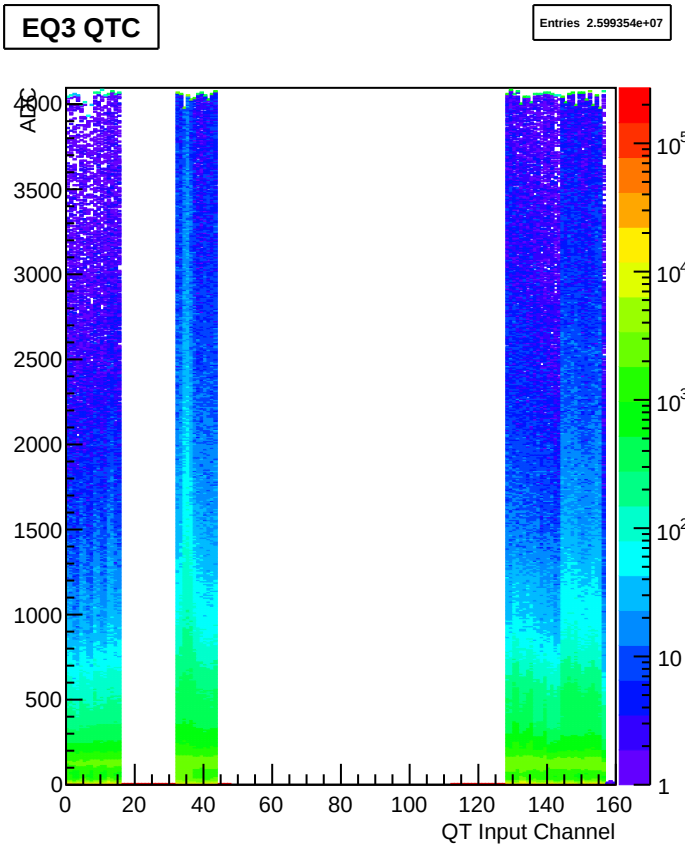

EQ2 QTB
Entries 2.429443e+07
TDC
QT Input Channel

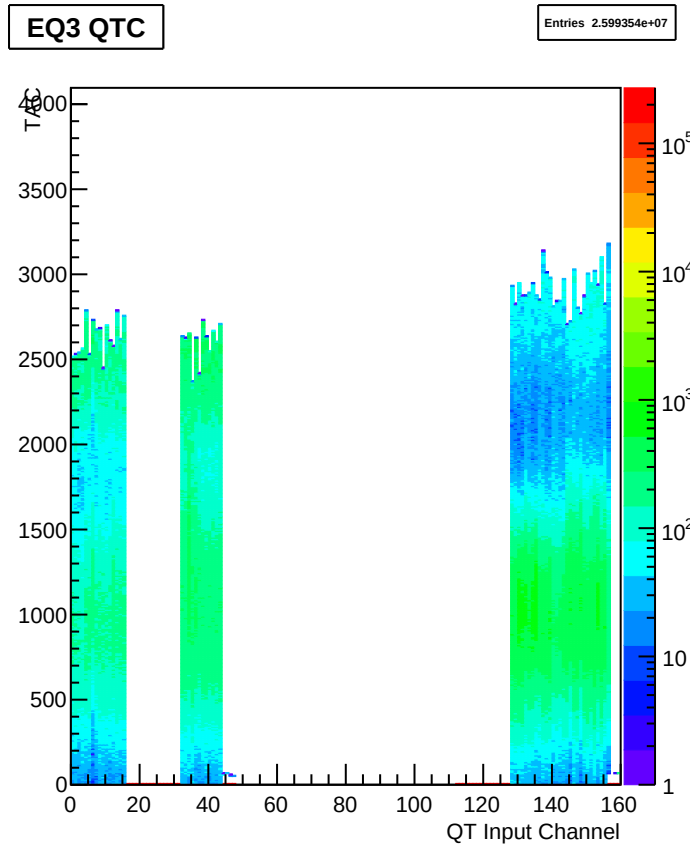

EQ2 QTC
Entries 2.599354e+07
ADC
QT Input Channel

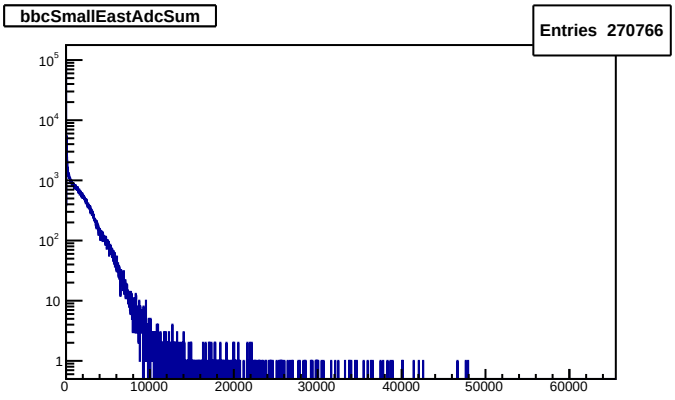

EQ2 QTC
Entries 2.599354e+07
TADC
QT Input Channel

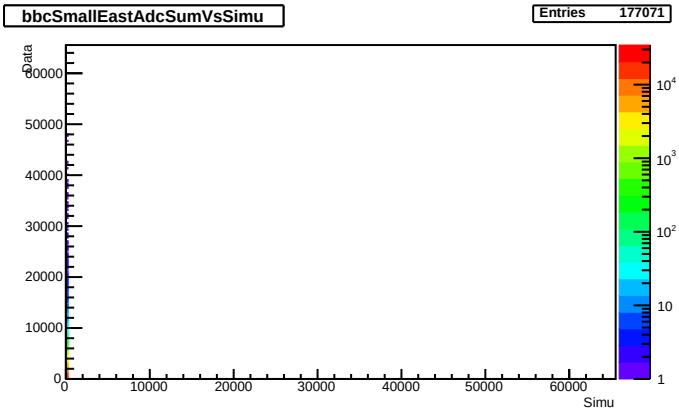

EQ3 QTB
Entries 6.93161e+07
ADC
QT Input Channel

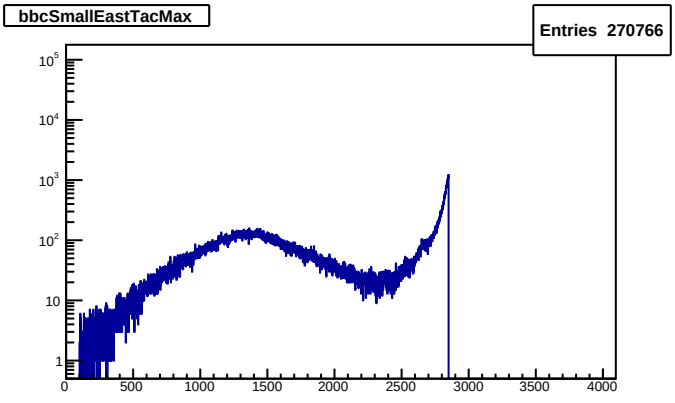

EQ3 QTB
Entries 2.013913e+07
TDC
QT Input Channel

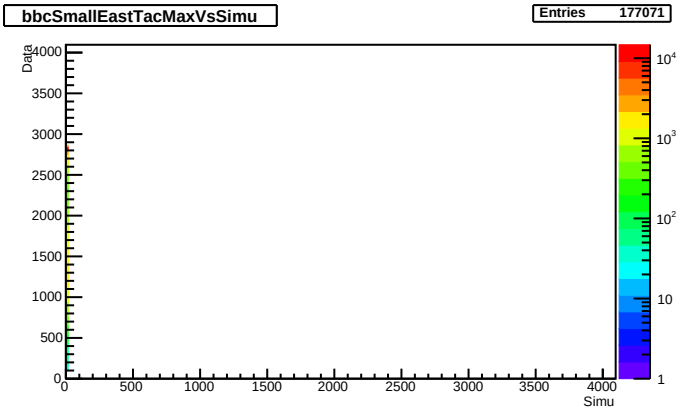

EQ3 QTC
Entries 2.599354e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.599354e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 270766


bbcSmallEastAdcSumVsSimu
Entries 177071
Data
Simu


bbcSmallEastTacMax
Entries 270766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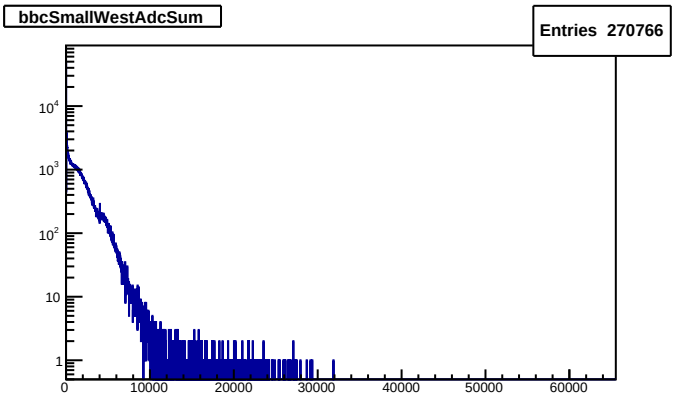
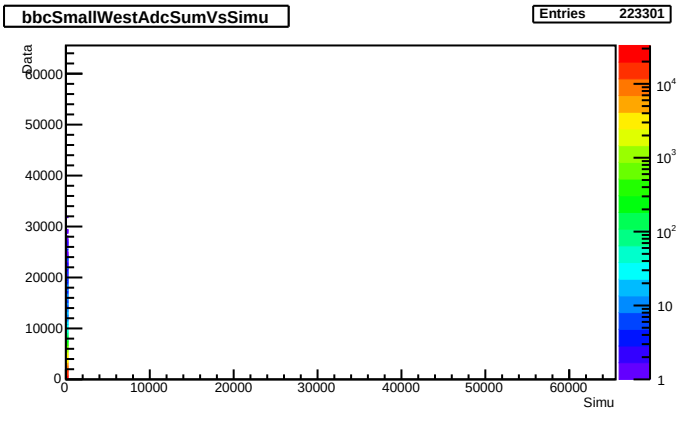
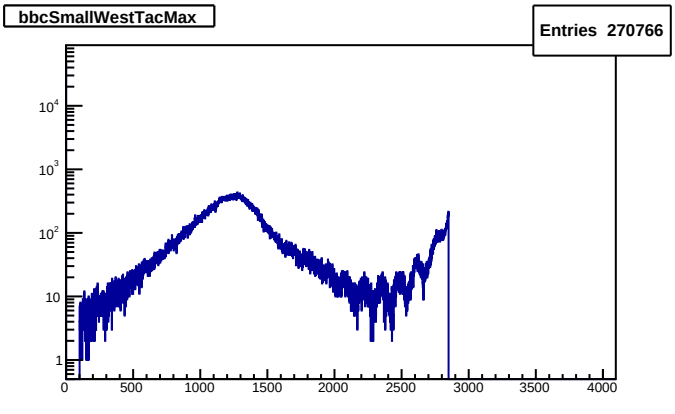
Entries 177071
Data
Simu


bbcSmallWestAdcSum
Entries 270766


bbcSmallWestAdcSumVsSimu
Entries 223301
Data
Simu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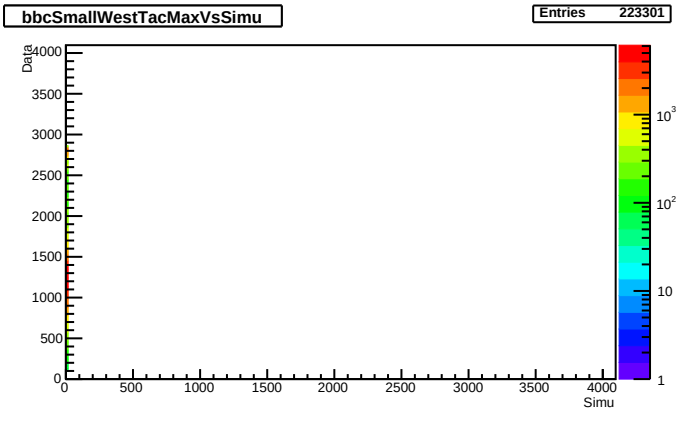
Entries 270766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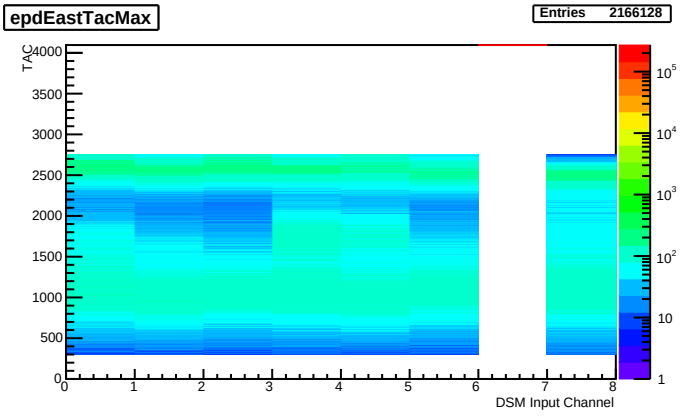
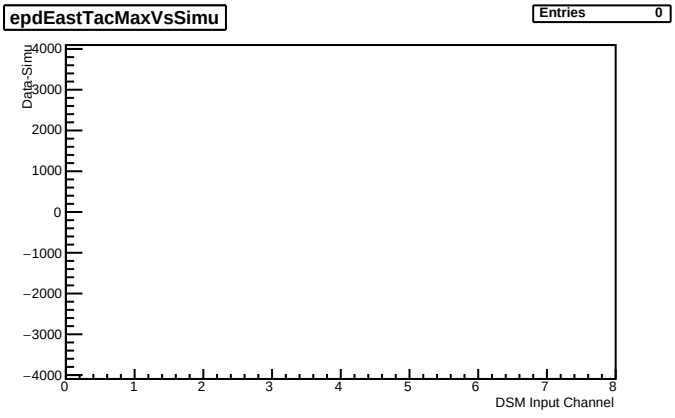
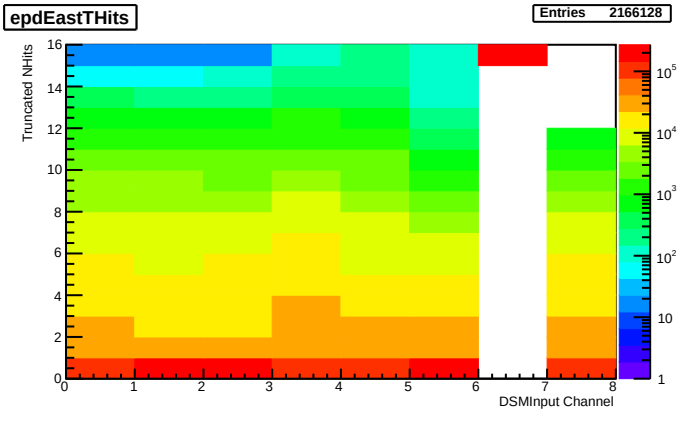
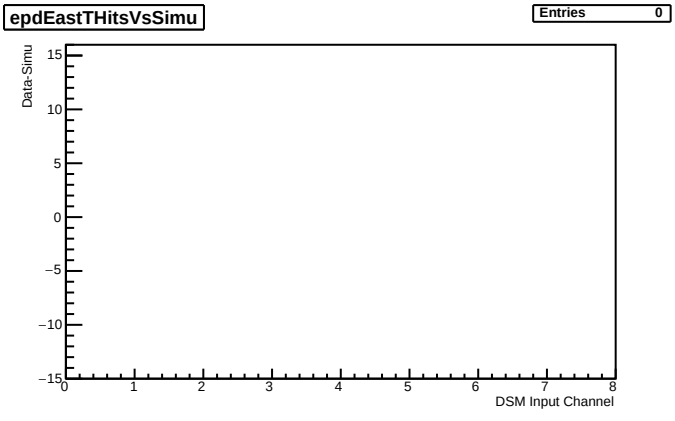
Entries 223301
Data
Simu


epdEastTacMax
Entries 2166128
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2166128
Truncated NHits
DSMInput Channel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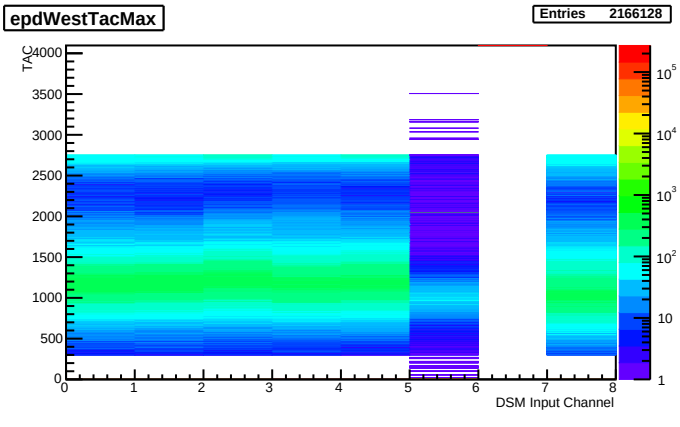
Data-Simu
DSM Input Channel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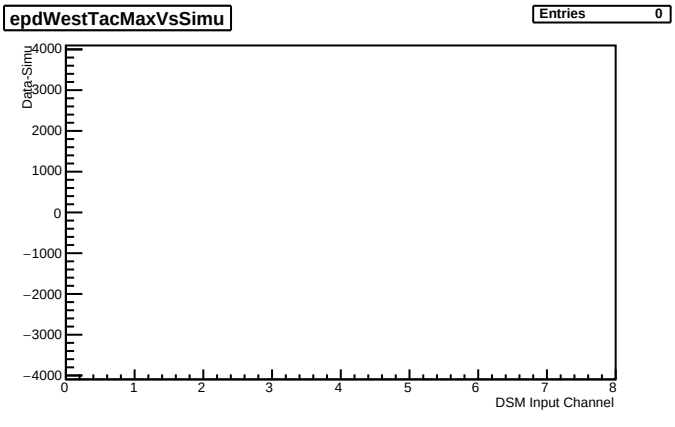
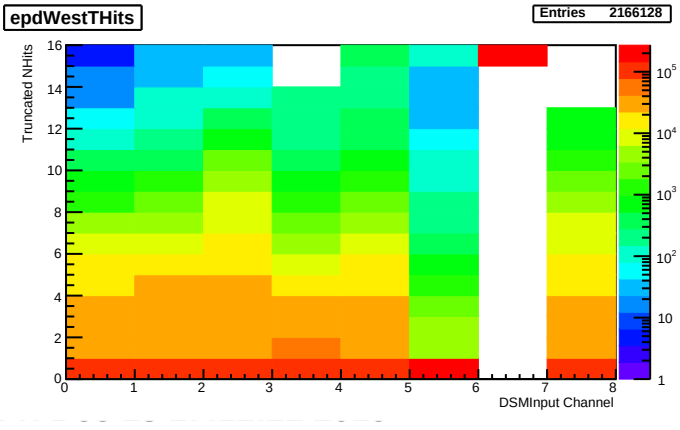
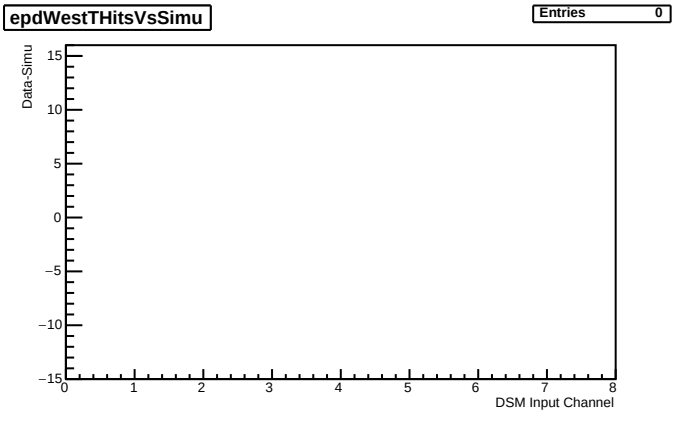
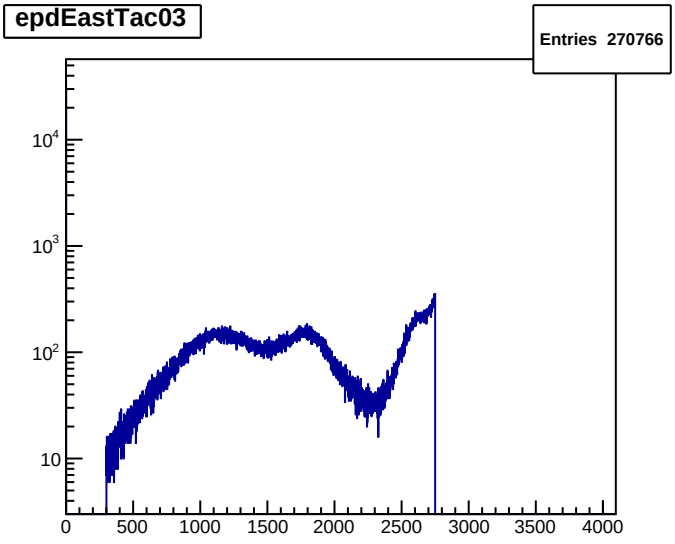
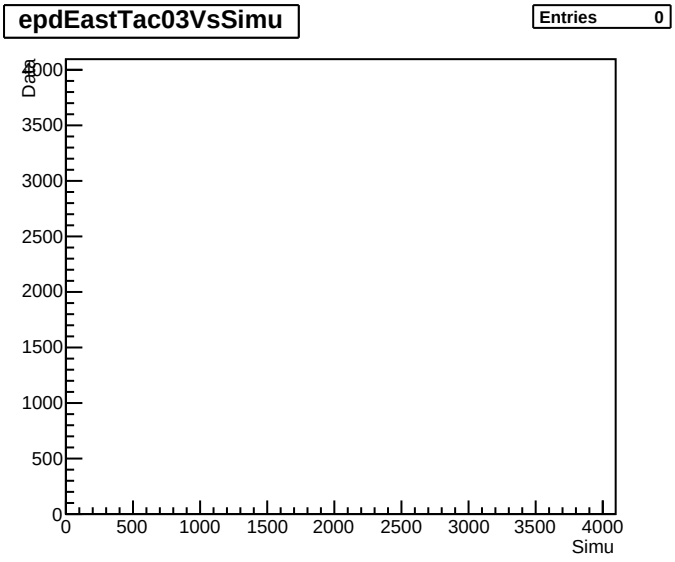
Entries 2166128
TAC
DSM Input Channel

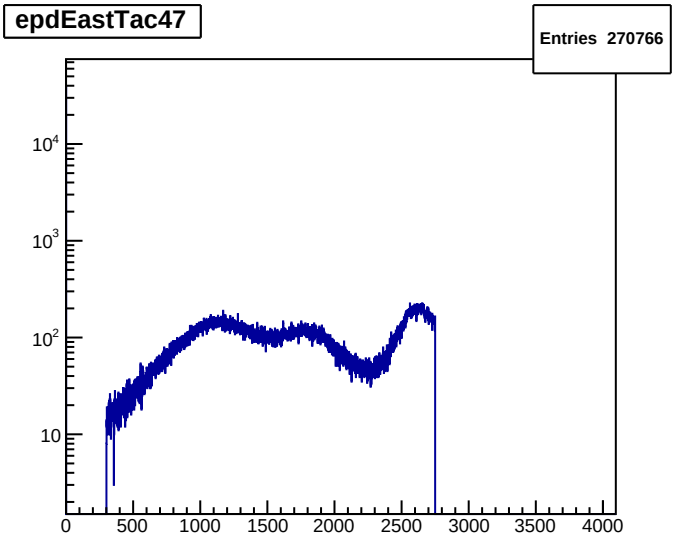

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

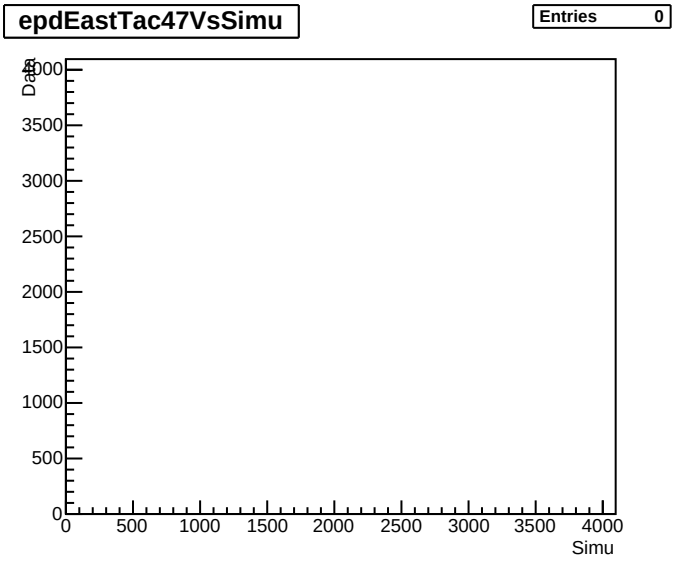

epdWestTHits
Entries 2166128
Truncated NHits
DSMInput Channel

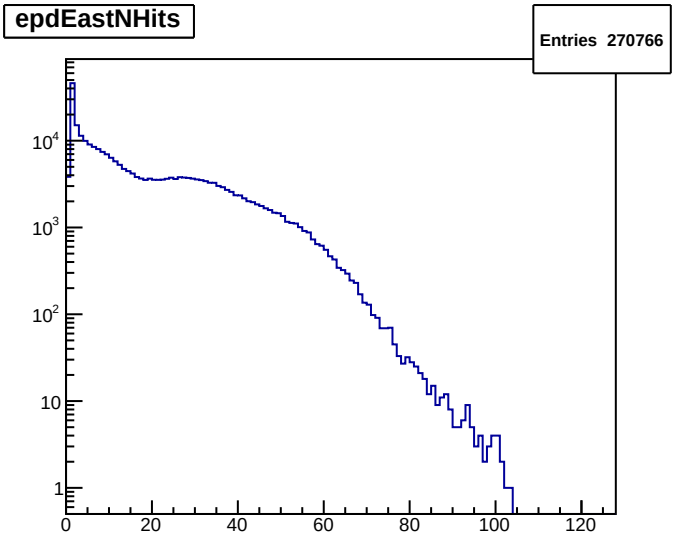

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

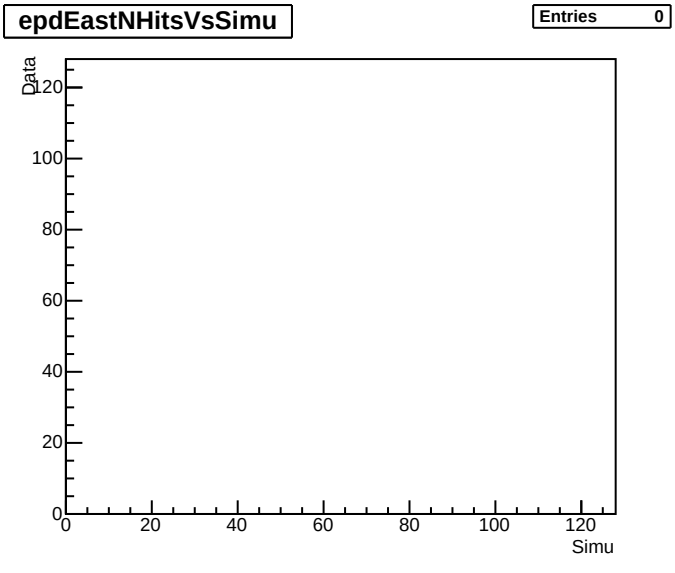

epdEastTac03
Entries 270766


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 270766


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 270766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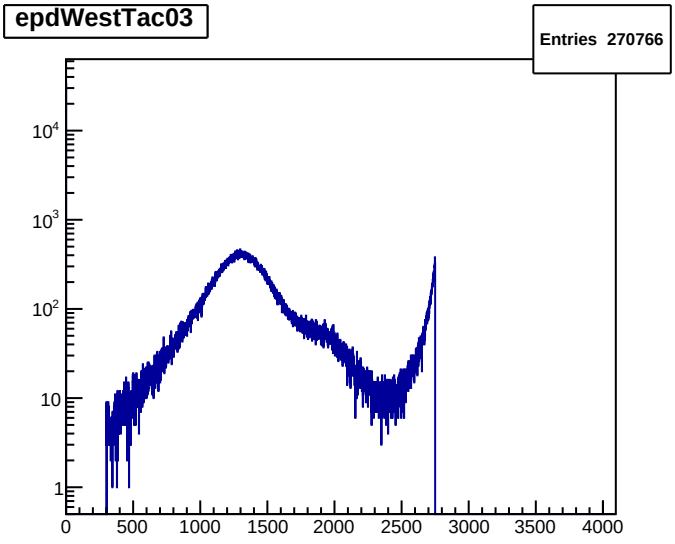
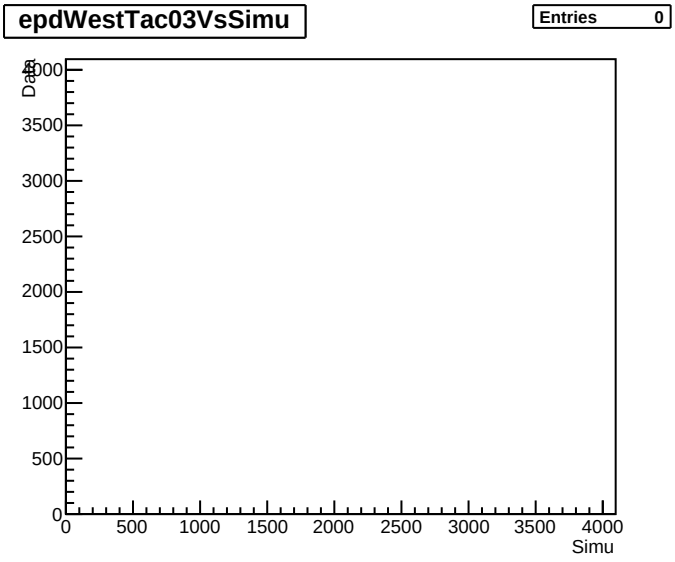
Entries 0
Data
Simu


epdWestTac03
Entries 270766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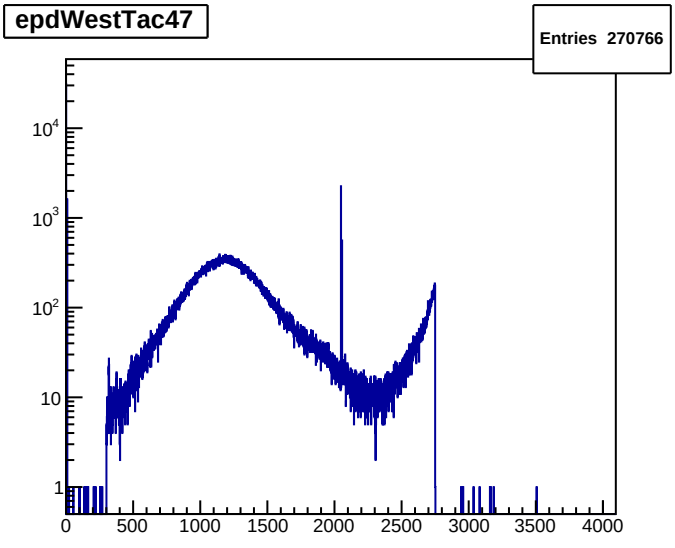
Entries 0
Data
Simu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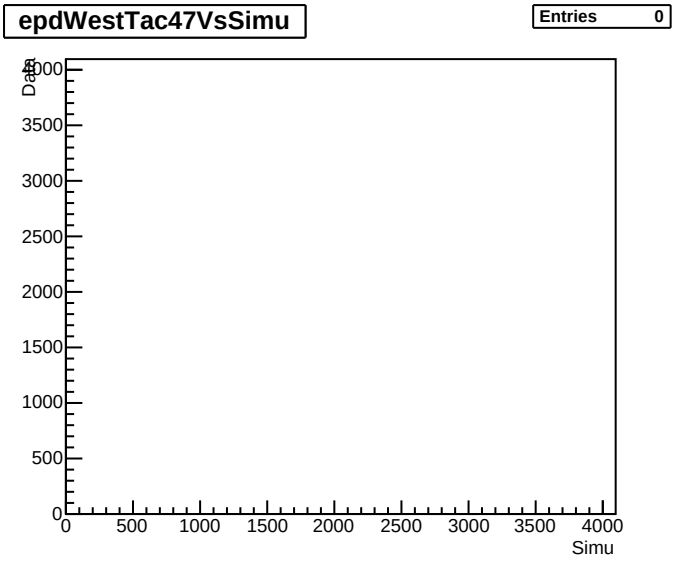
Entries 270766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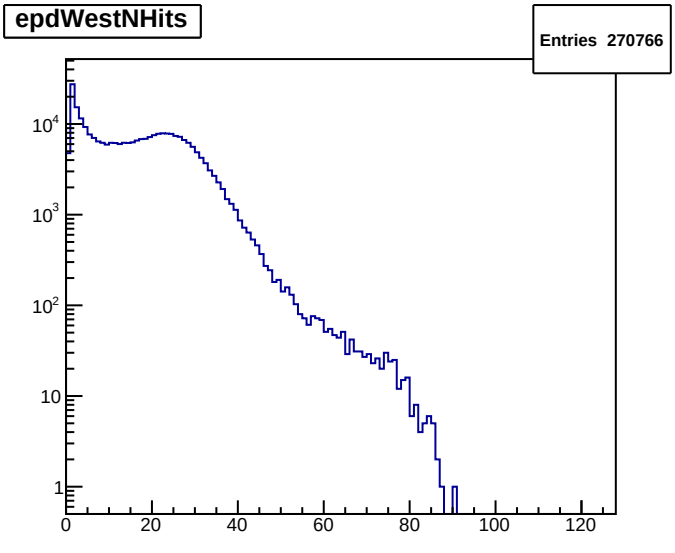
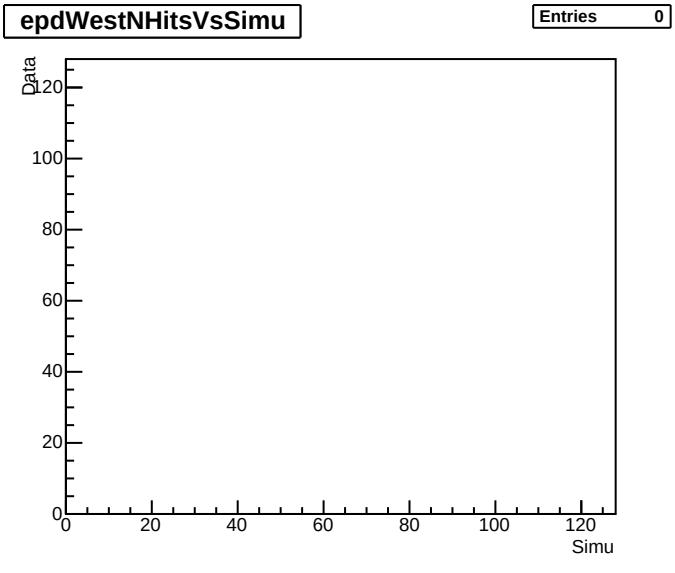
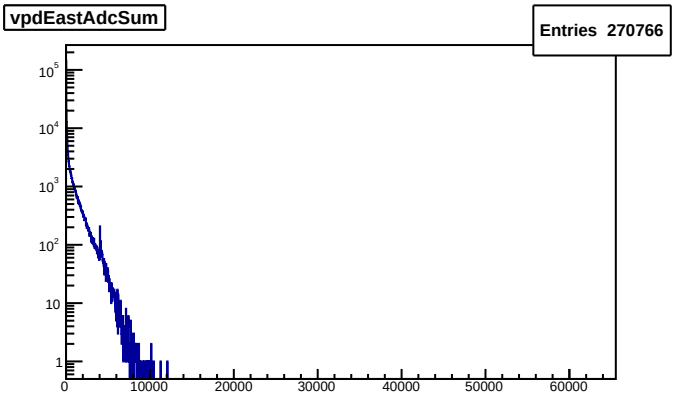
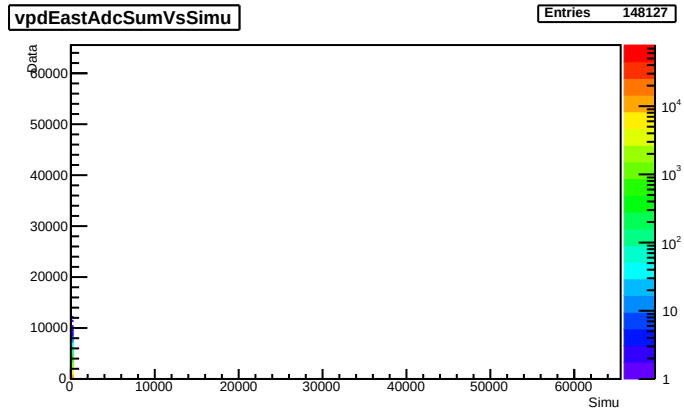
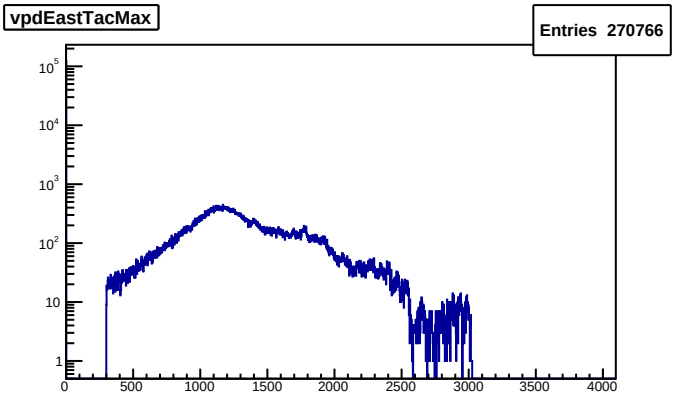
Data
Simu

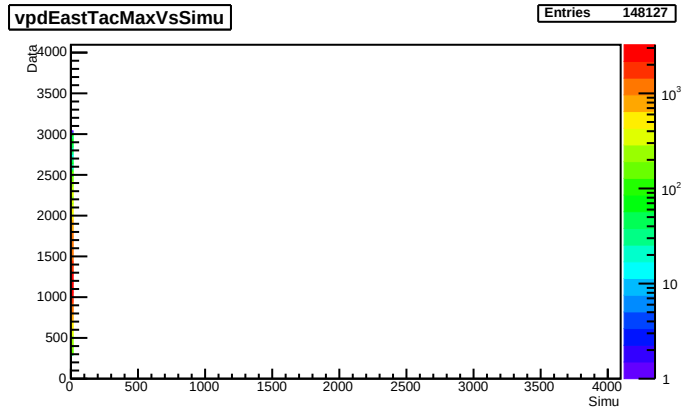

epdWestNHits
Entries 270766

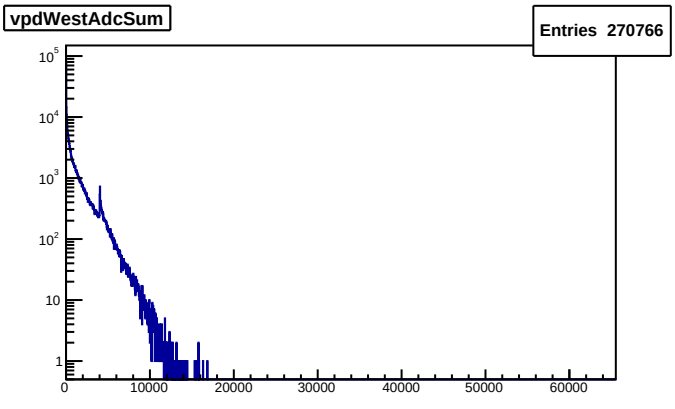

epdWestNHitsVsSimu
Entries 0
Data
Simu

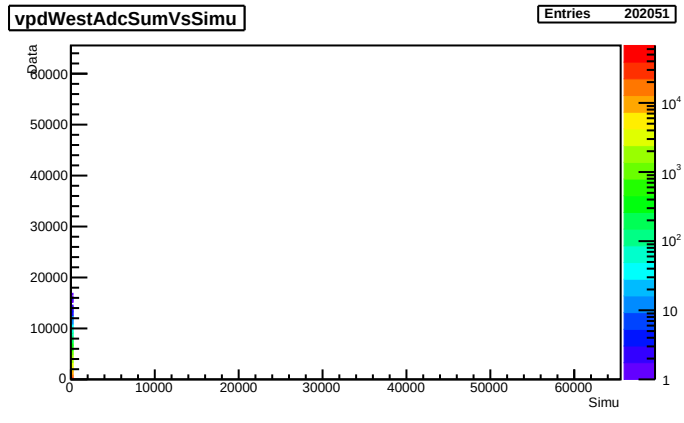

vpdEastAdcSum
Entries 270766

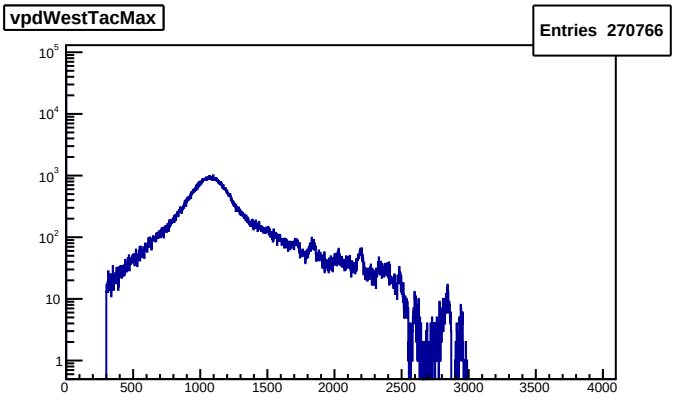

vpdEastAdcSumVsSimu
Entries 148127
Data
Simu

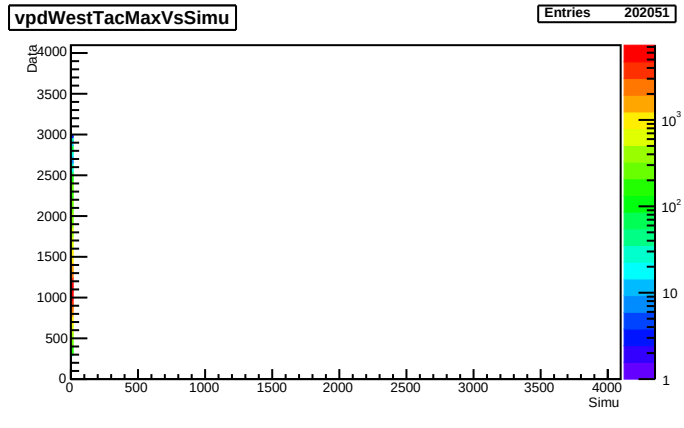

vpdEastTacMax
Entries 270766

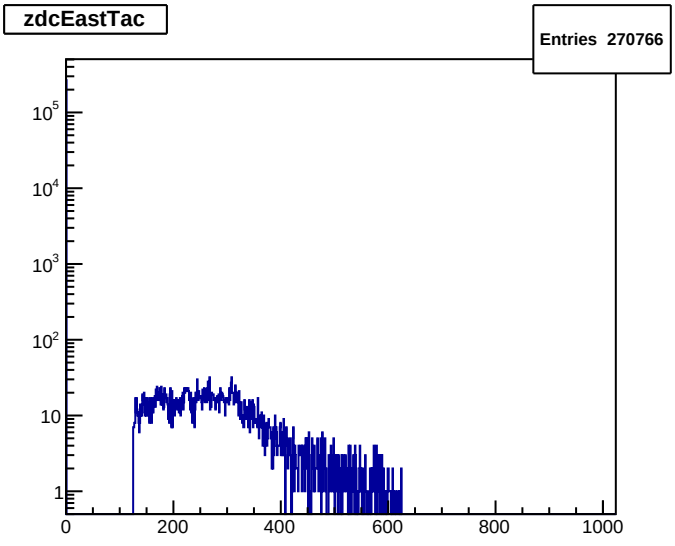

vpdEastTacMaxVsSimu
Entries 148127
Data
Simu

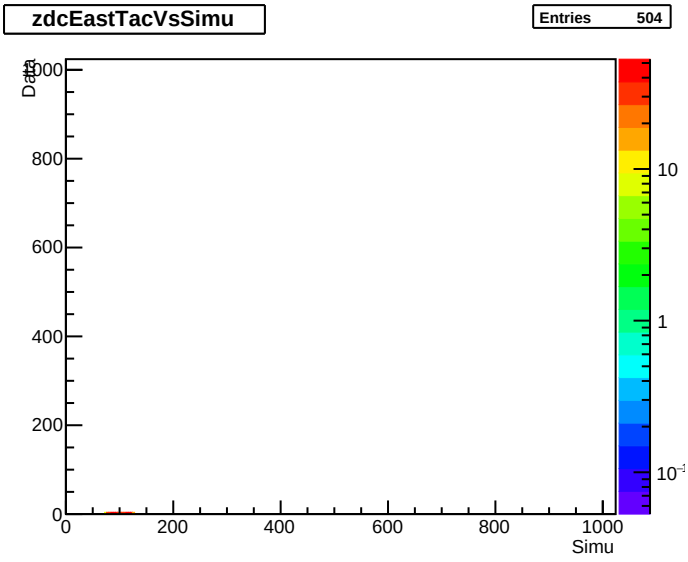

vpdWestAdcSum
Entries 270766

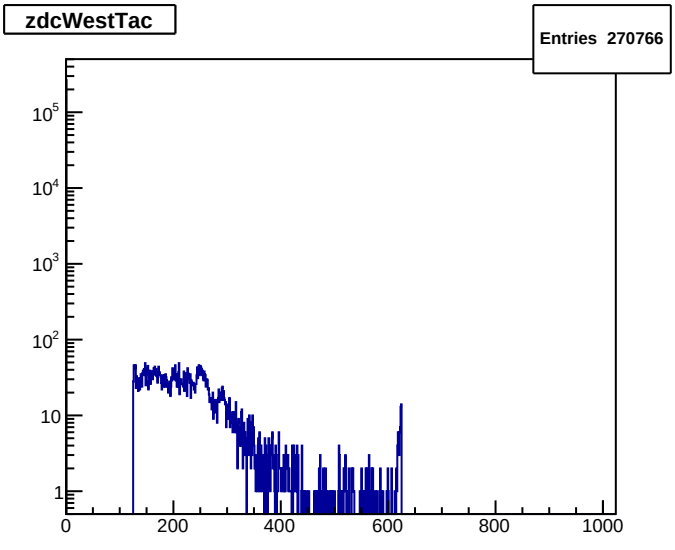

vpdWestAdcSumVsSimu
Entries 202051
Data
Simu

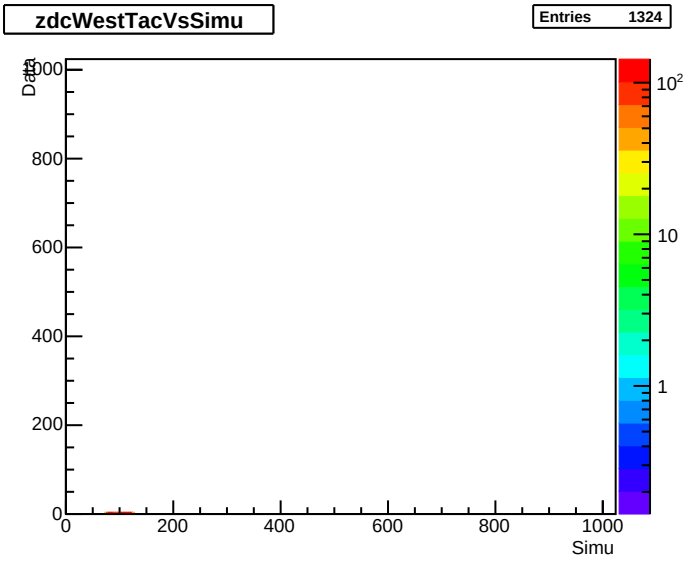

vpdWestTacMax
Entries 270766

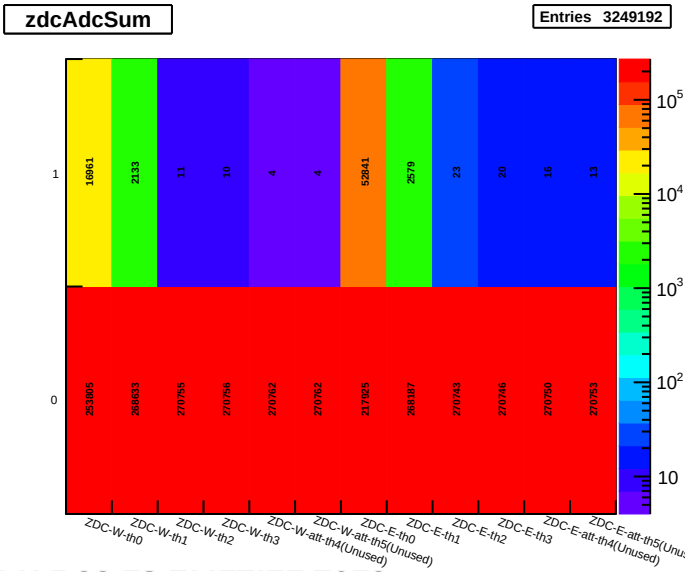

vpdWestTacMaxVsSimu
Entries 202051
Data
Simu

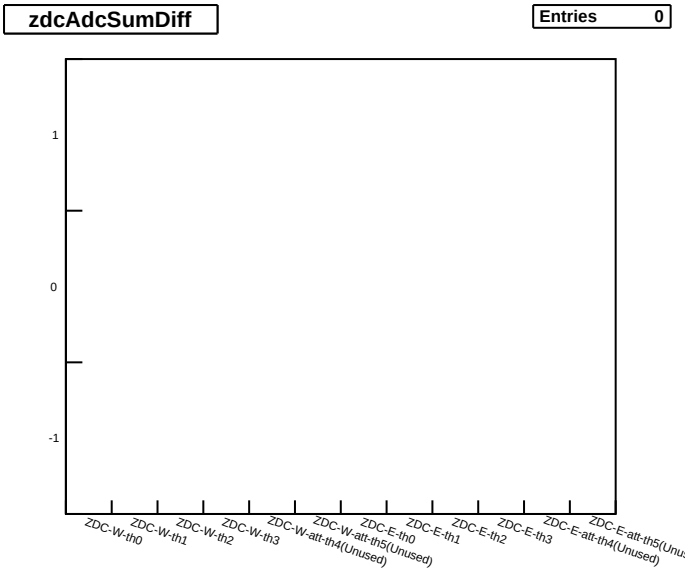

zdcEastTac
Entries 270766

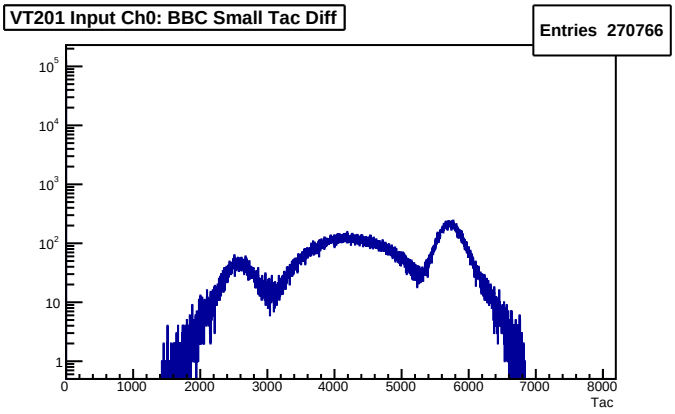

zdcEastTacVsSimu
Entries 504
Data
Simu

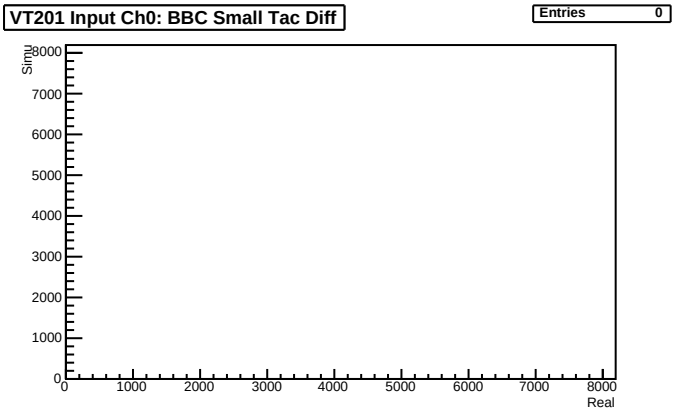

zdcWestTac
Entries 270766

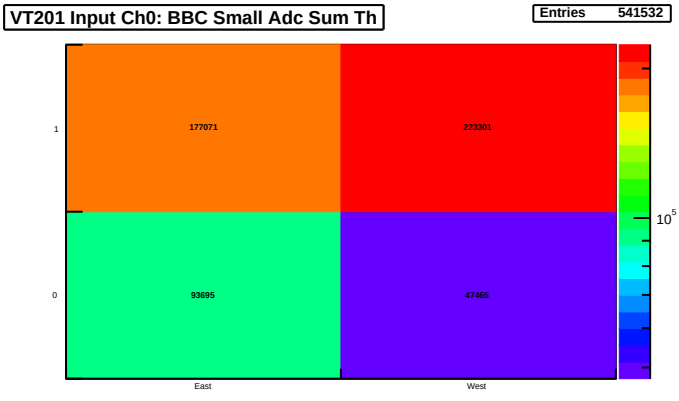

zdcWestTacVsSimu
Entries 1324
Data
Simu

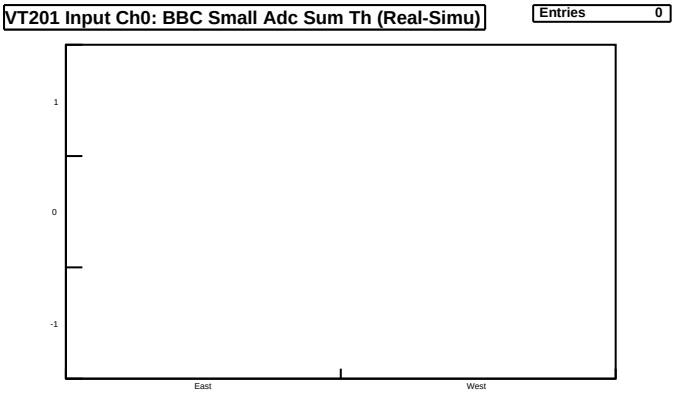

zdcAdcSum
Entries 3249192
16861
2133
11
10
4
4
52841
2579
23
20
16
13
253805
268633
270755
270756
270762
270762
217925
268187
270743
270746
270750
270753
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

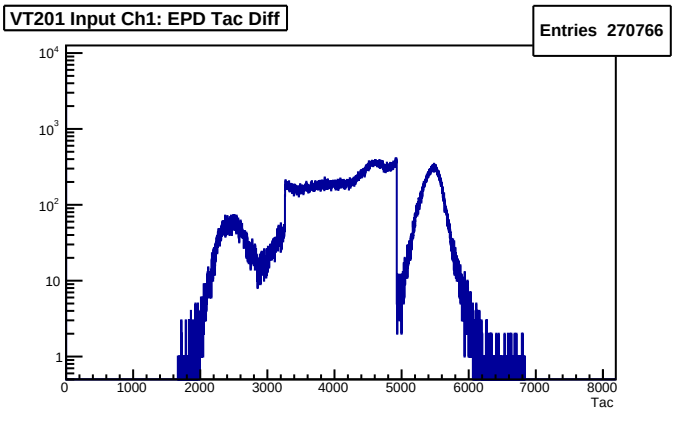

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

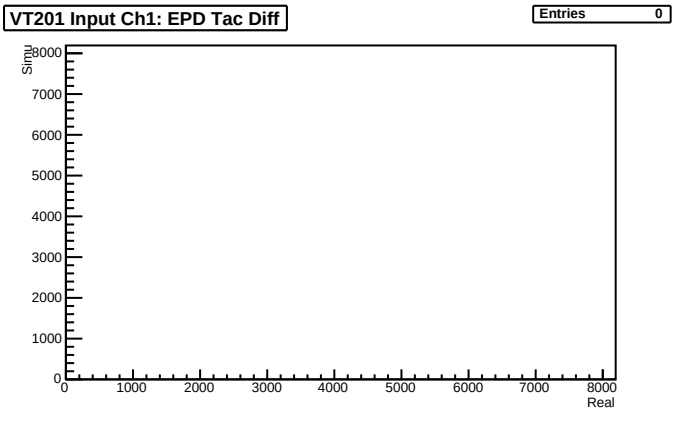

VT201 Input Ch0: BBC Small Tac Diff
Entries 270766
Tac

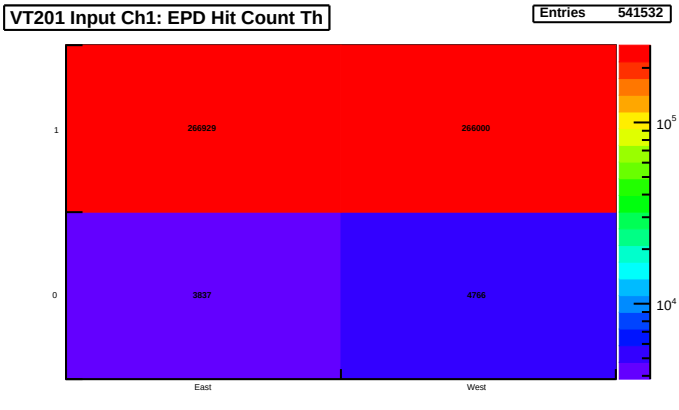

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

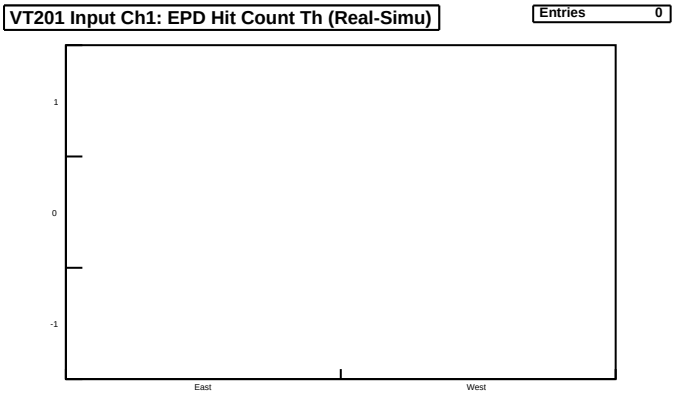

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 541532
177071
223301
93695
47465
East
West

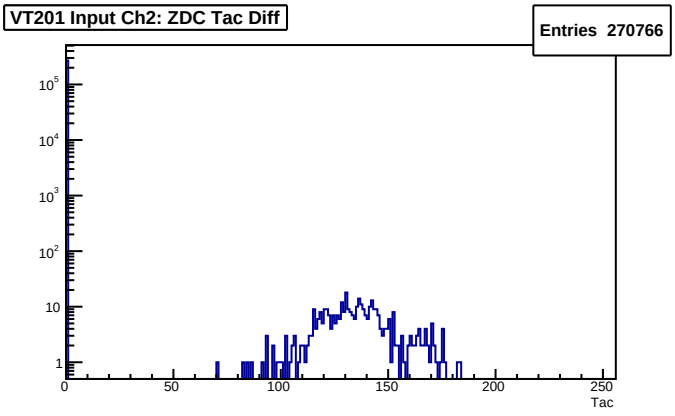

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

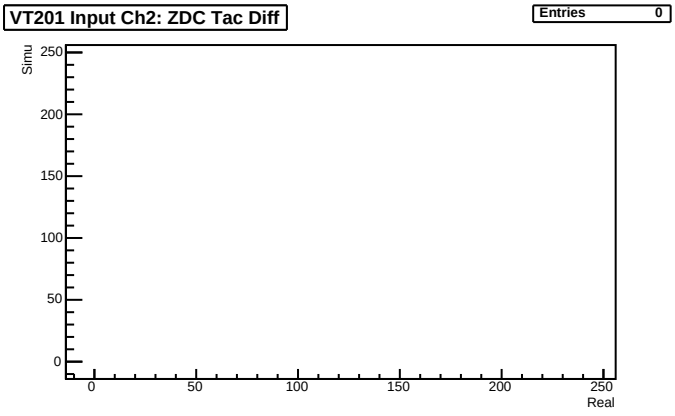

VT201 Input Ch1: EPD Tac Diff
Entries 270766
Tac

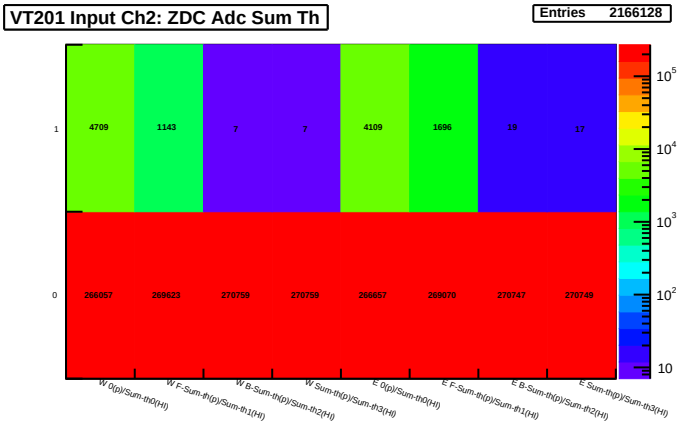

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

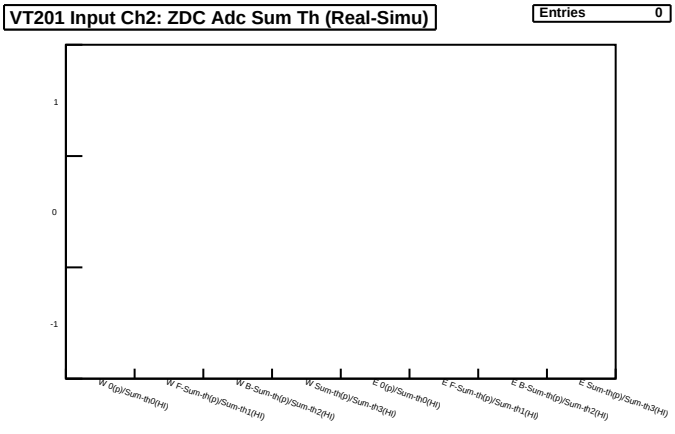

VT201 Input Ch1: EPD Hit Count Th
Entries 541532
266929
266000
3837
4766
East
West

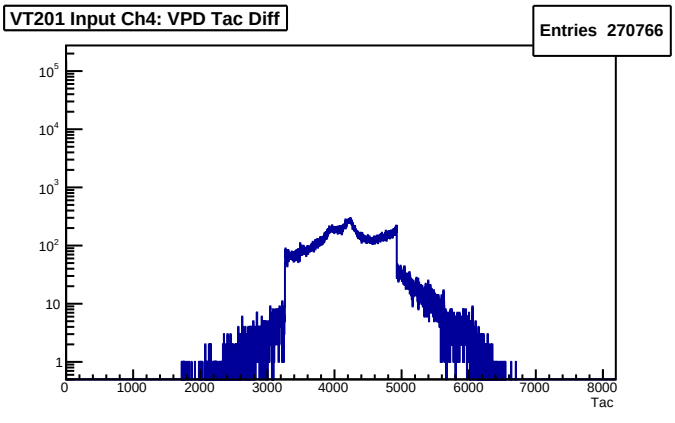

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

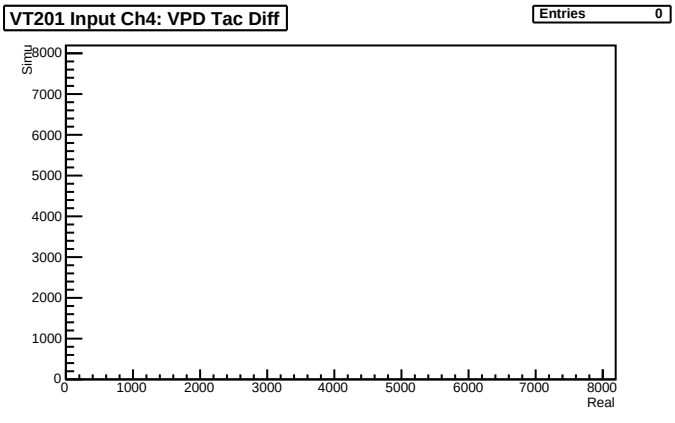

VT201 Input Ch2: ZDC Tac Diff
Entries 270766
Tac

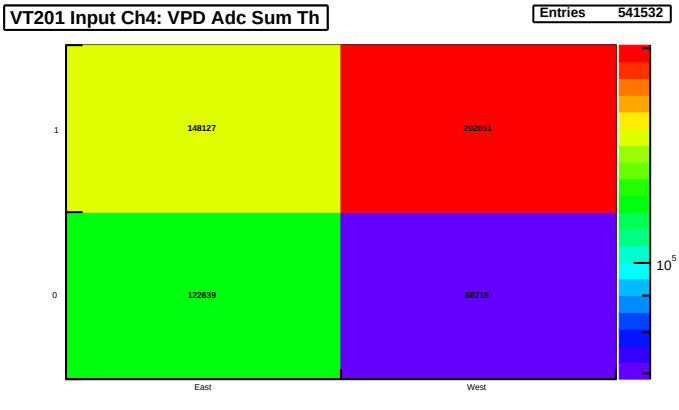

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

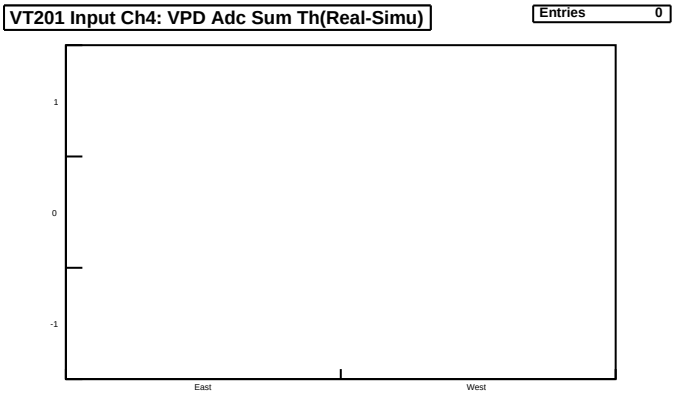

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2166128
4709
1143
7
7
4109
1696
19
17
266057
269623
270759
270759
266657
269070
270747
270749
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

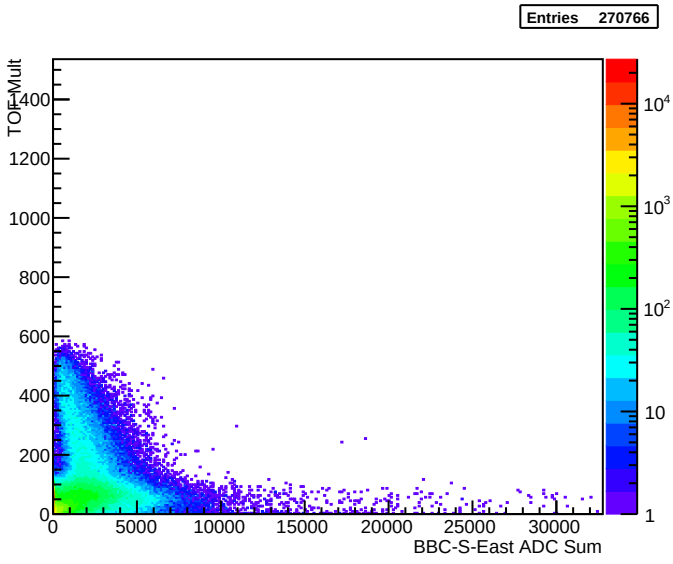

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

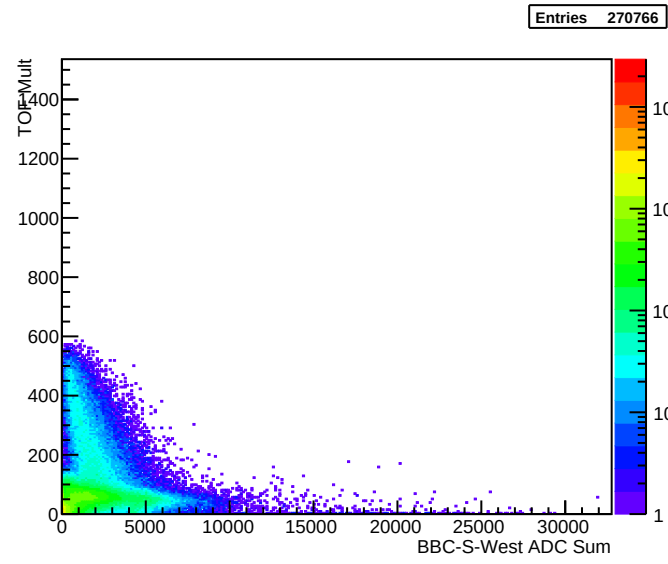

VT201 Input Ch4: VPD Tac Diff
Entries 270766
Tac

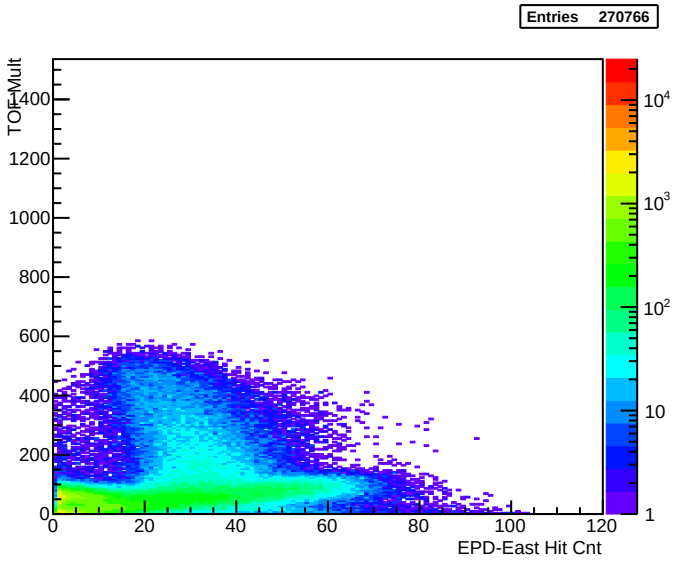

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

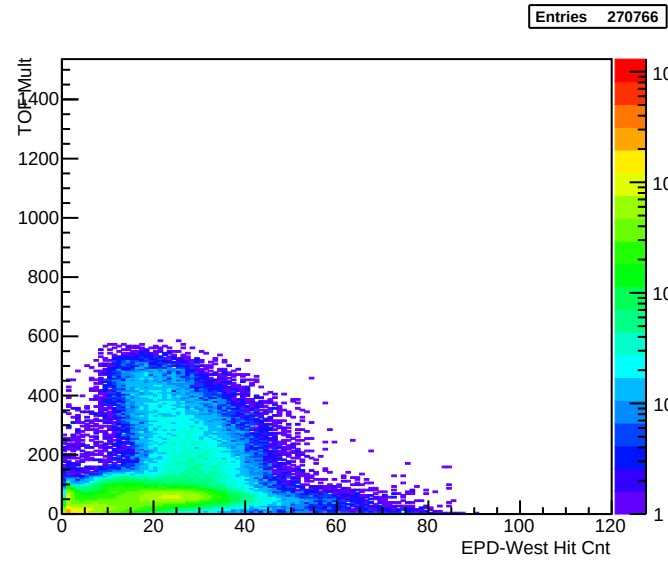

VT201 Input Ch4: VPD Adc Sum Th
Entries 541532
148127
202051
122639
68715
East
West

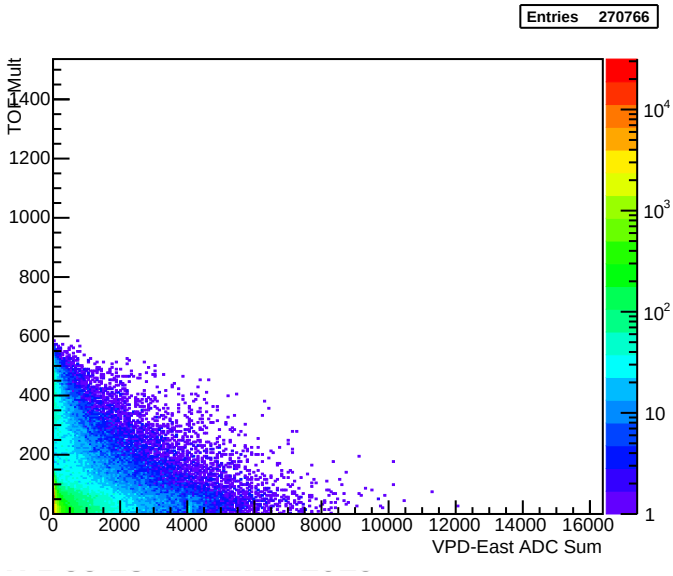

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

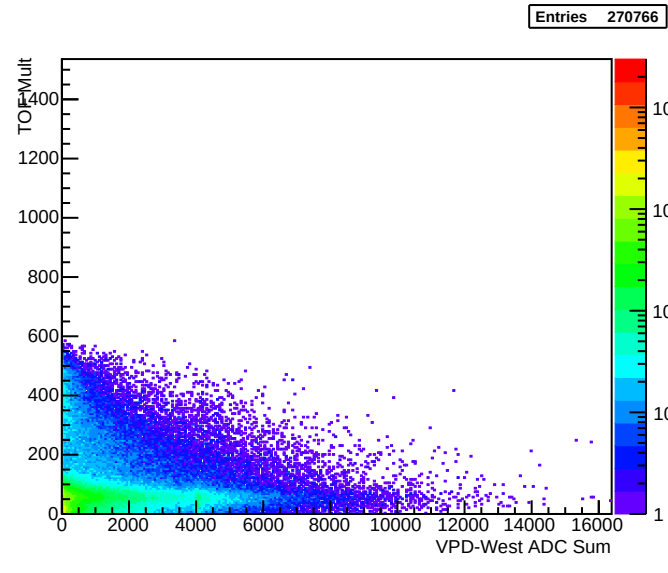

Entries 270766
TOF-Mult
BBC-S-East ADC Sum

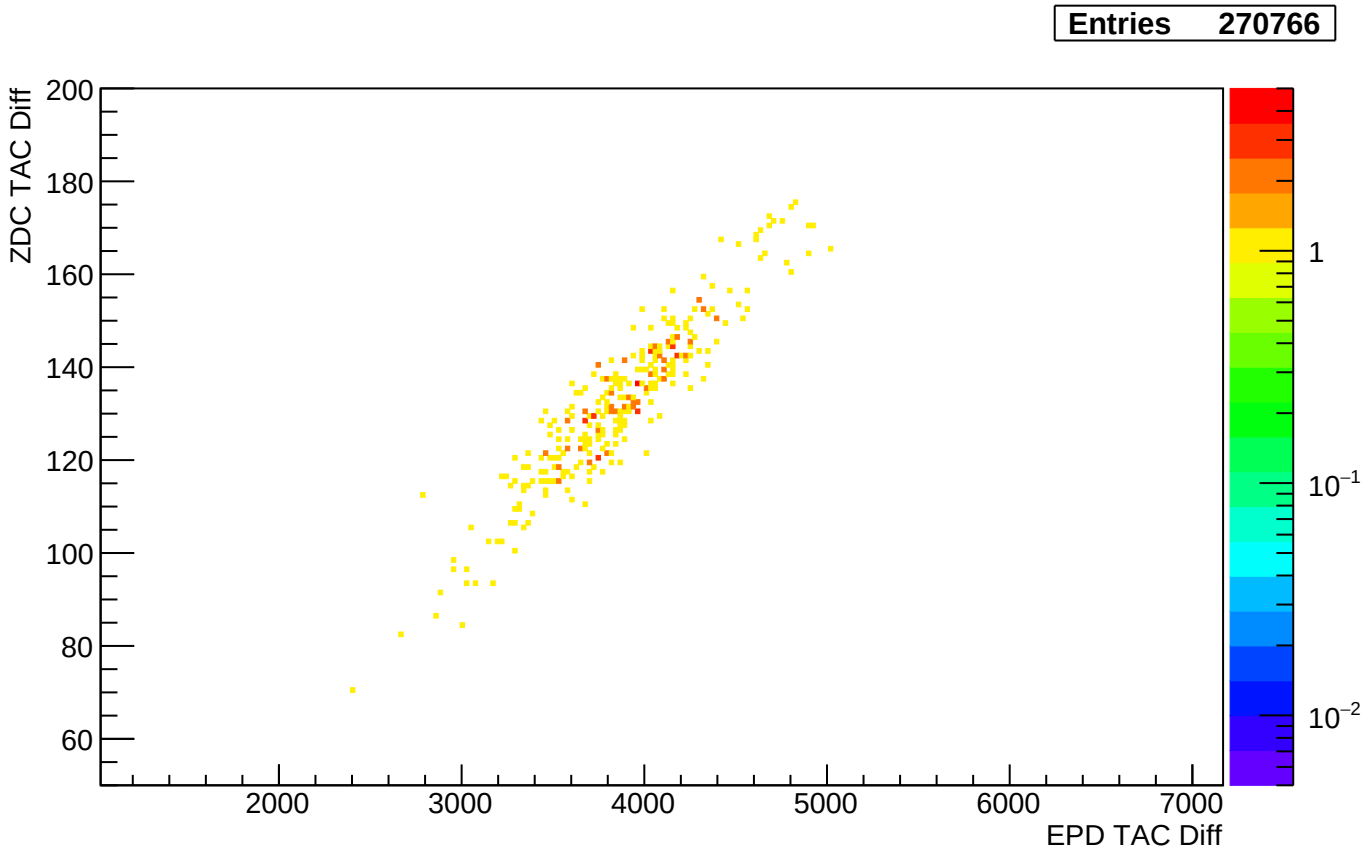

Entries 270766
TOF-Mult
BBC-S-West ADC Sum

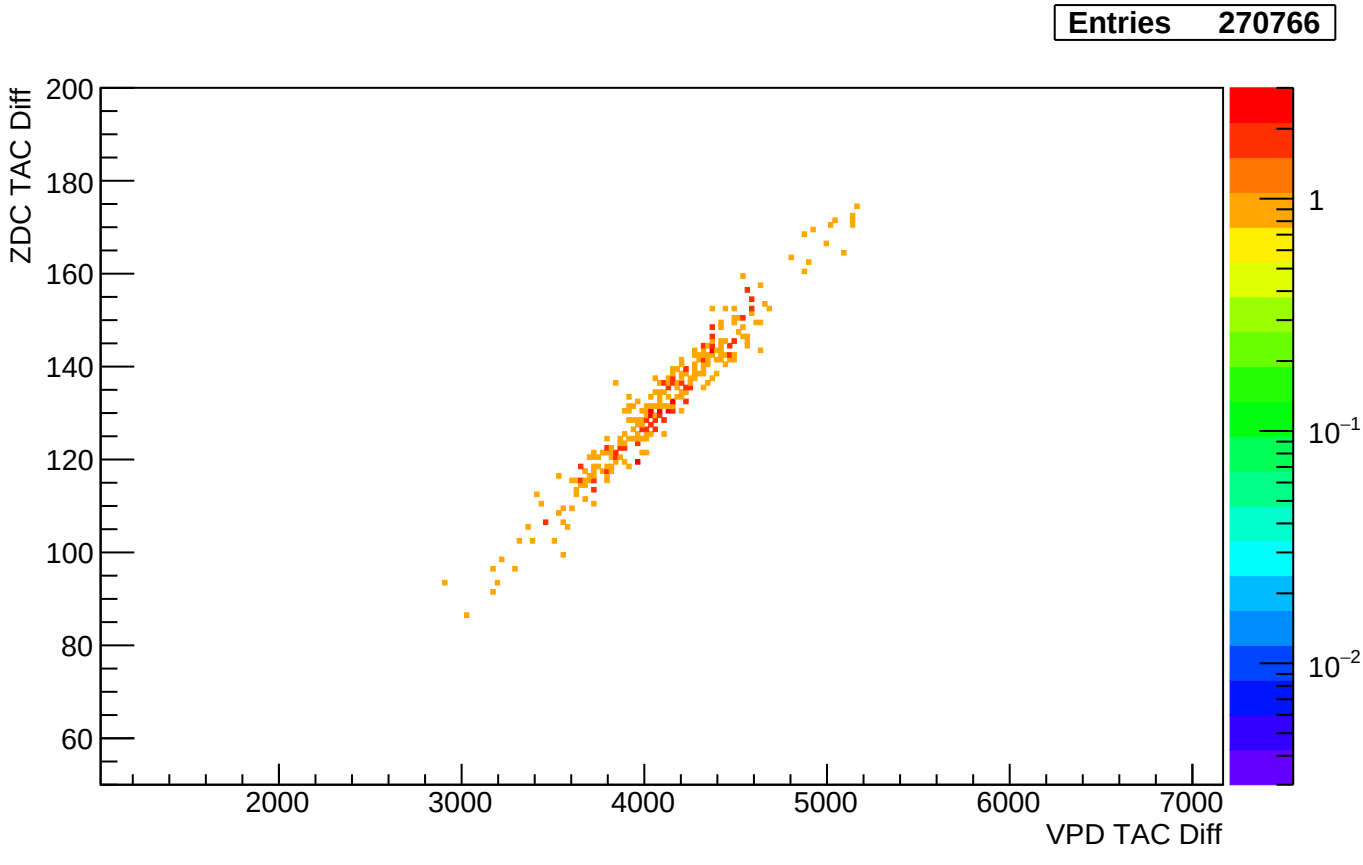

Entries 270766
TOF-Mult
EPD-East Hit Cnt

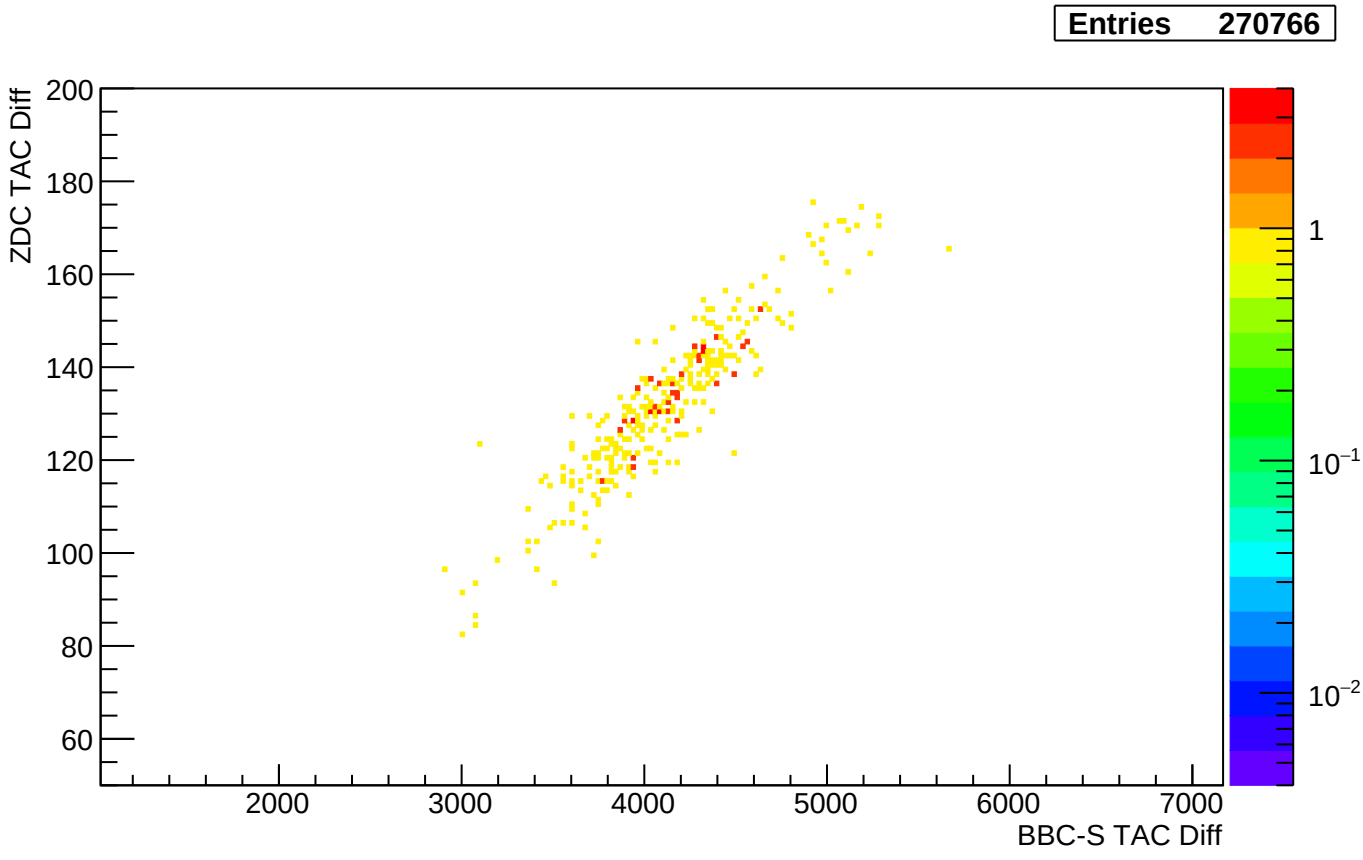

Entries 270766
TOF-Mult
EPD-West Hit Cnt

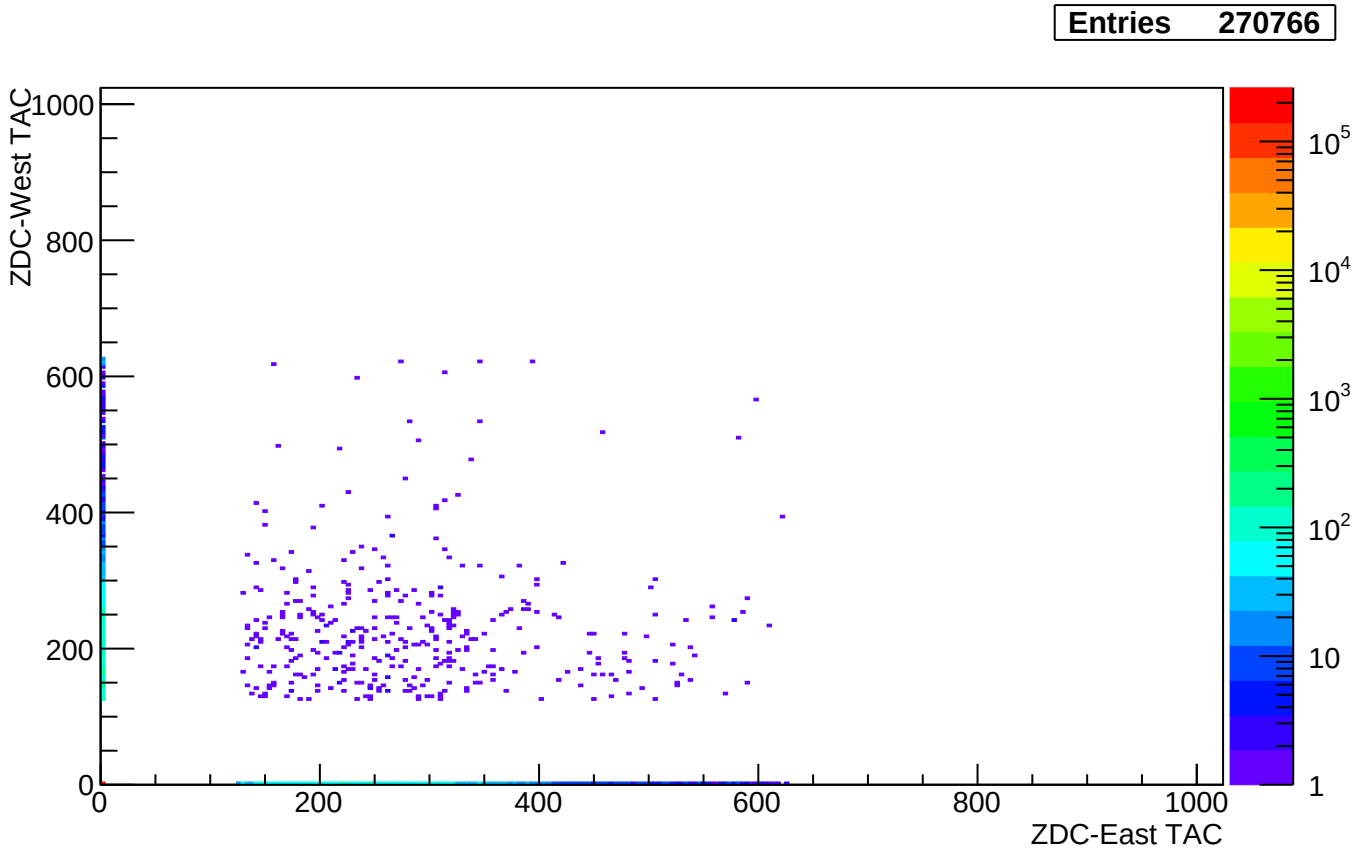

Entries 270766
TOF-Mult
VPD-East ADC Sum

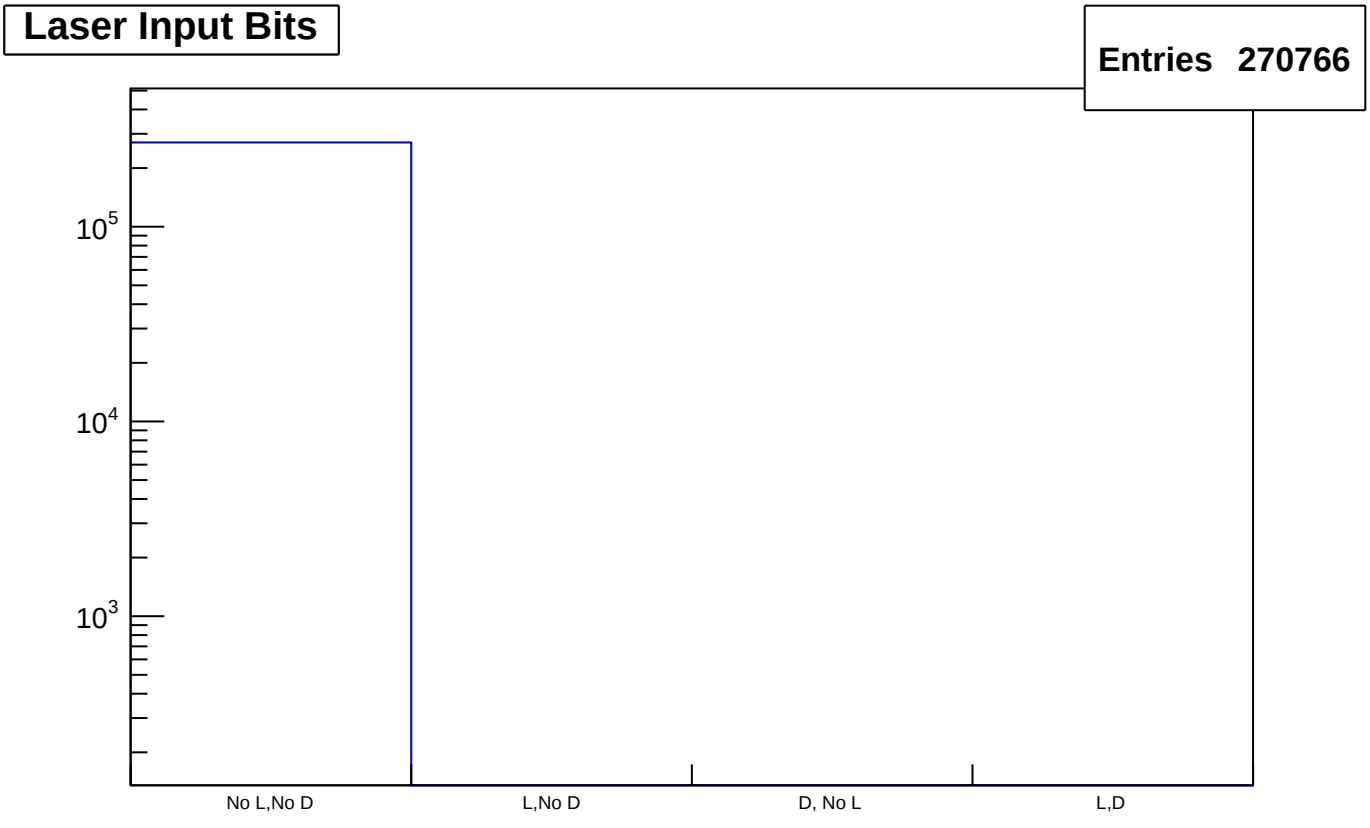

Entries 270766
TOF-Mult
VPD-West ADC Sum

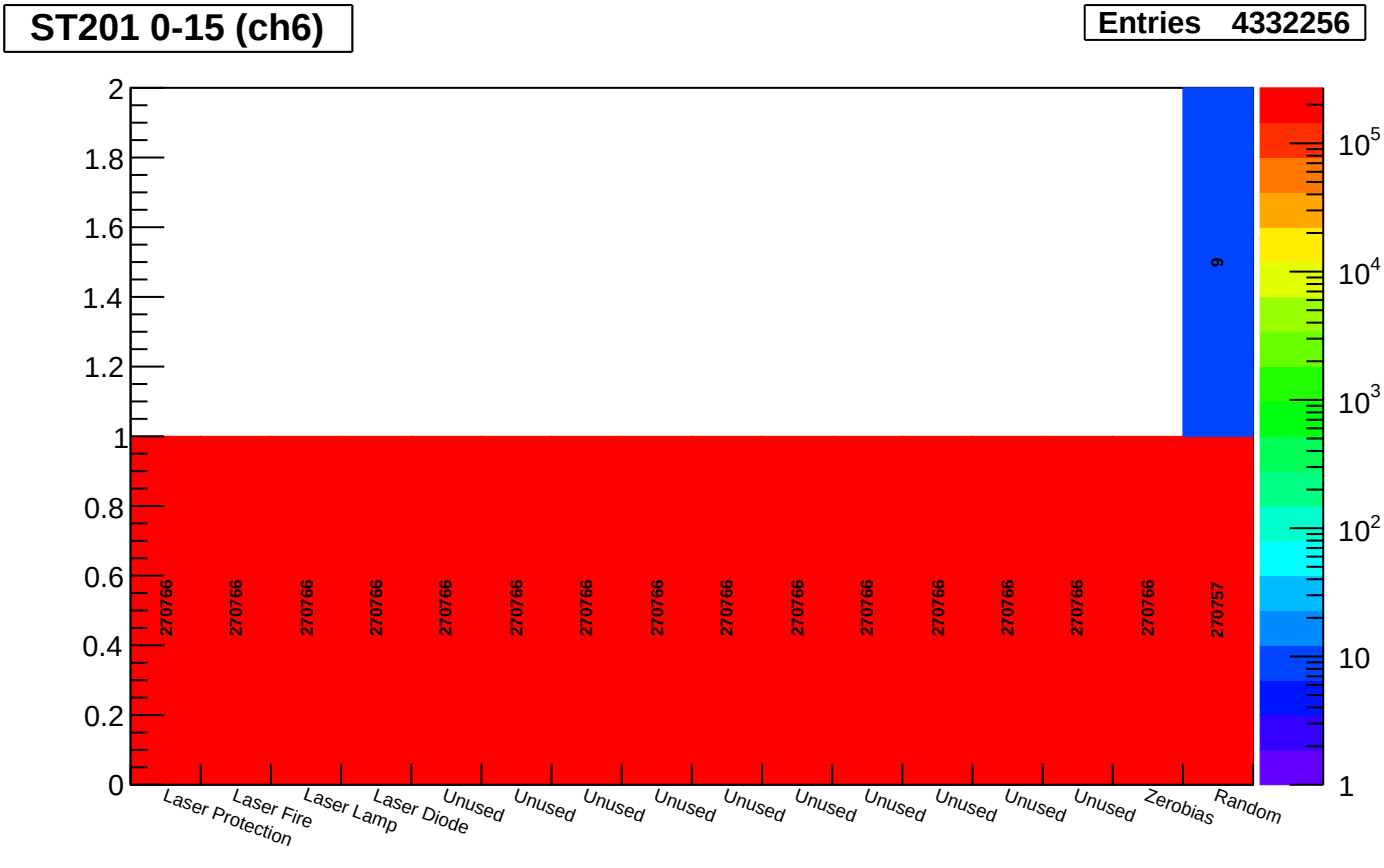

Entries 270766
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

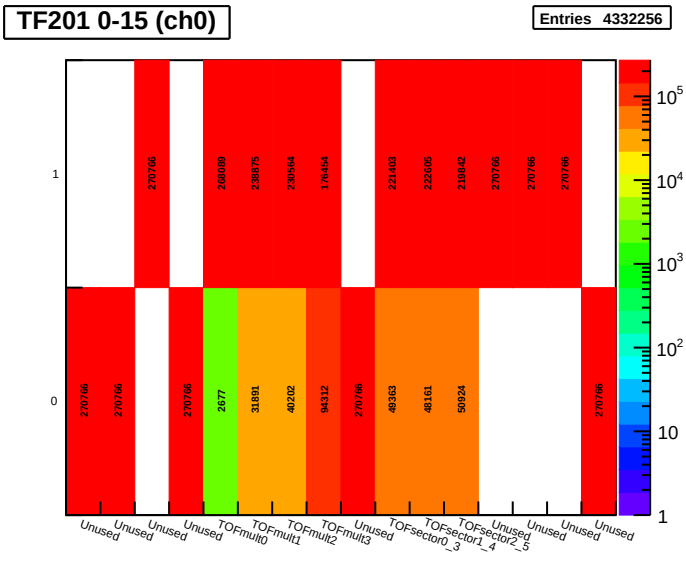

Entries 270766
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

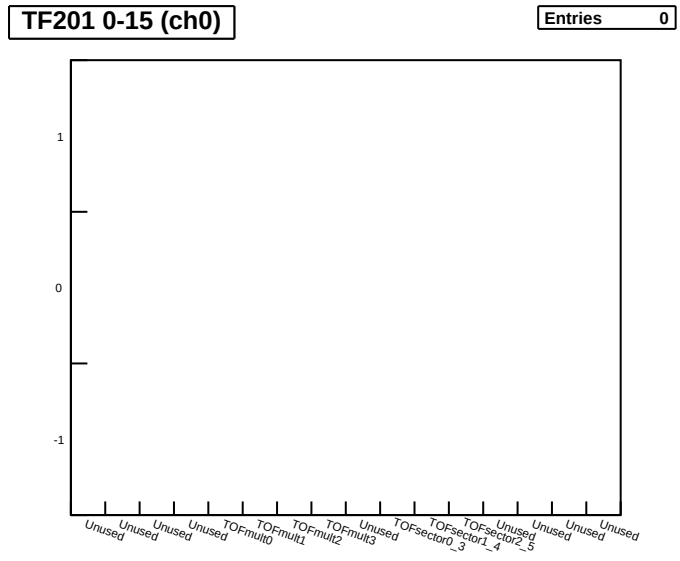

Entries 270766
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

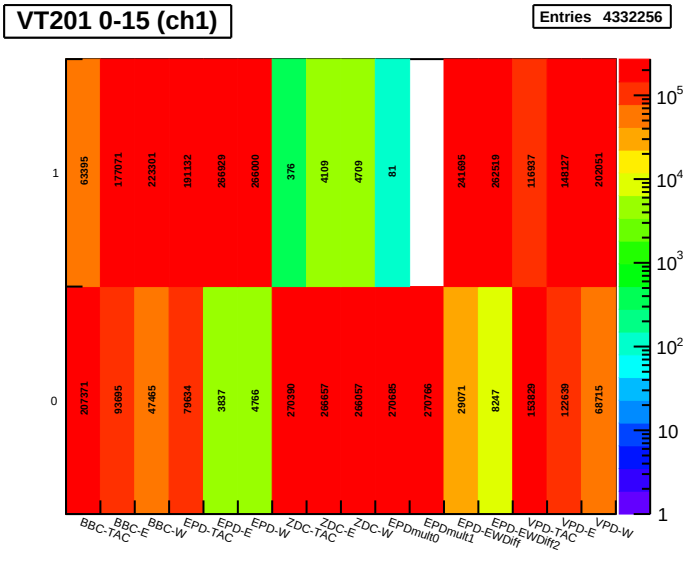

Entries 270766
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
$10^5$
$10^4$
$10^3$
$10^2$
10
1

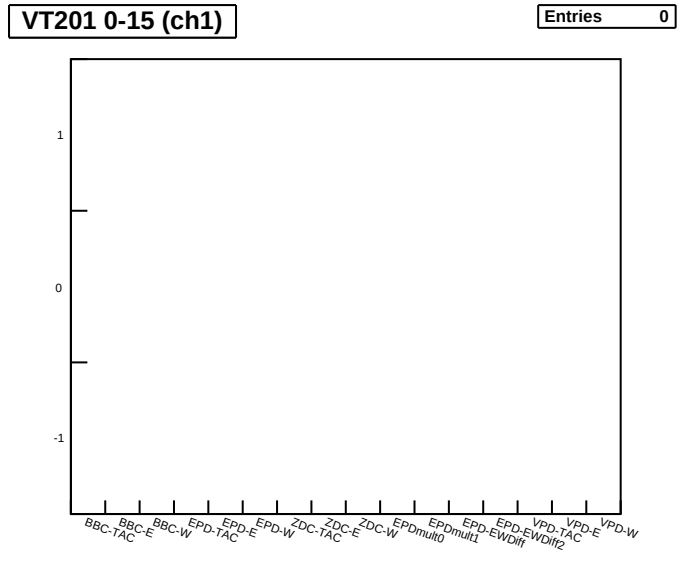

Laser Input Bits
Entries 270766
$10^5$
$10^4$
$10^3$
No L,No D
L,No D
D, No L
L,D

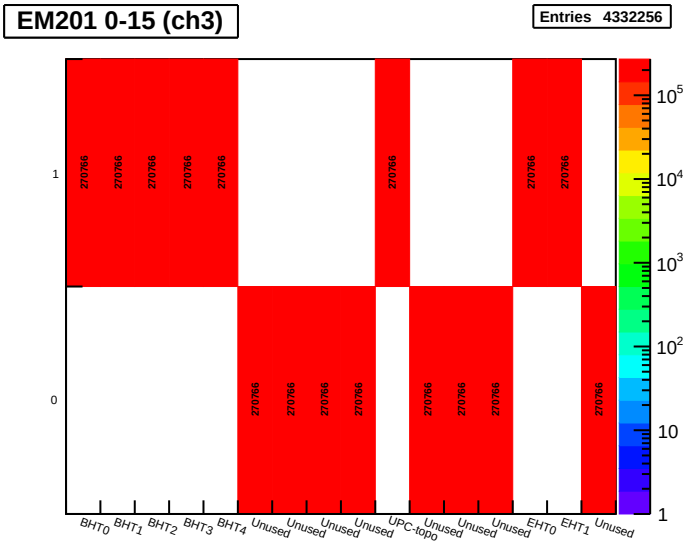

ST201 0-15 (ch6)
Entries 4332256
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
270766
270757
9
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

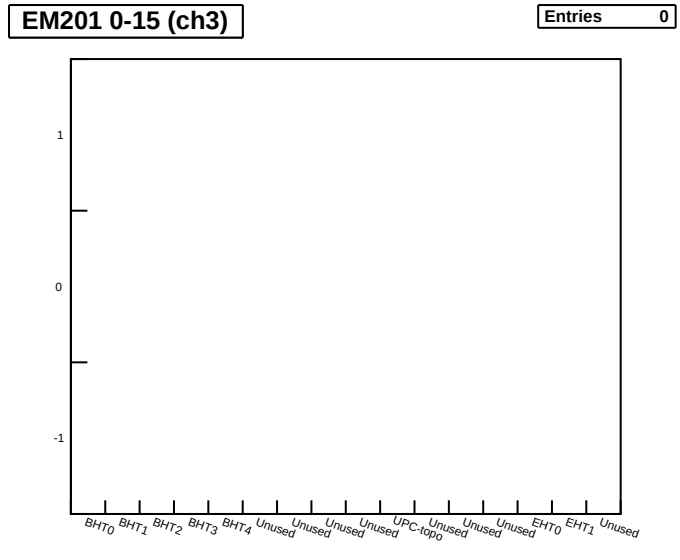

TF201 0-15 (ch0)
Entries 4332256
1
0
270766 268089 238875 230564 176454 221403 222605 219842 270766 270766 270766
270766 270766 270766 2677 31891 40202 94312 270766 49363 48161 50924 270766
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
$10^5$ $10^4$ $10^3$ $10^2$ 10 1


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


VT201 0-15 (ch1)
Entries 4332256
1
0
63395 177071 223301 191132 265929 266000 376 4109 4709 81 241695 262519 116937 148127 202051
207371 93695 47465 79634 3837 4766 270390 266657 266057 270685 270766 29071 8247 153829 122639 68715
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 4332256
1
0
270766 270766 270766 270766 270766 270766 270766 270766
270766 270766 270766 270766 270766 270766 270766 270766
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