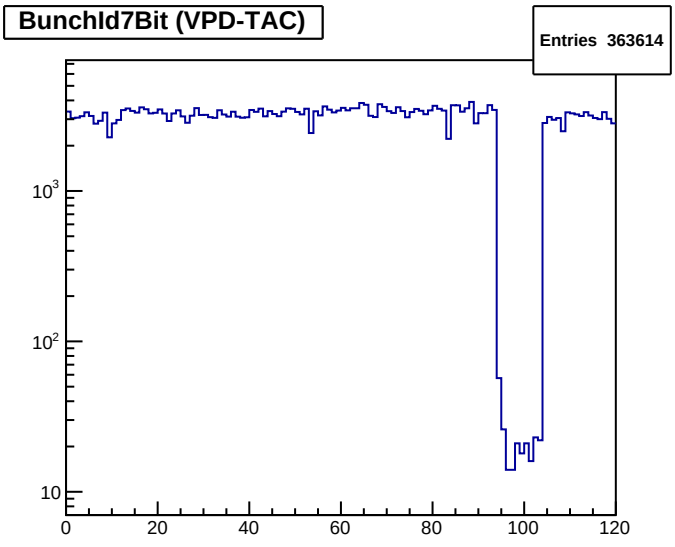
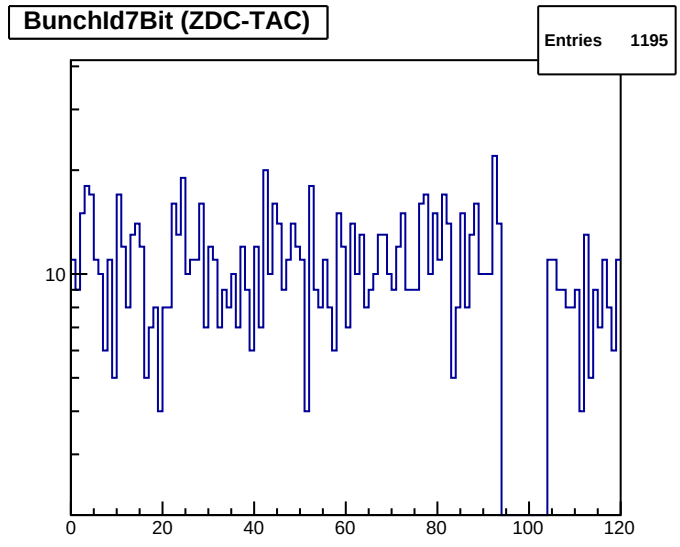
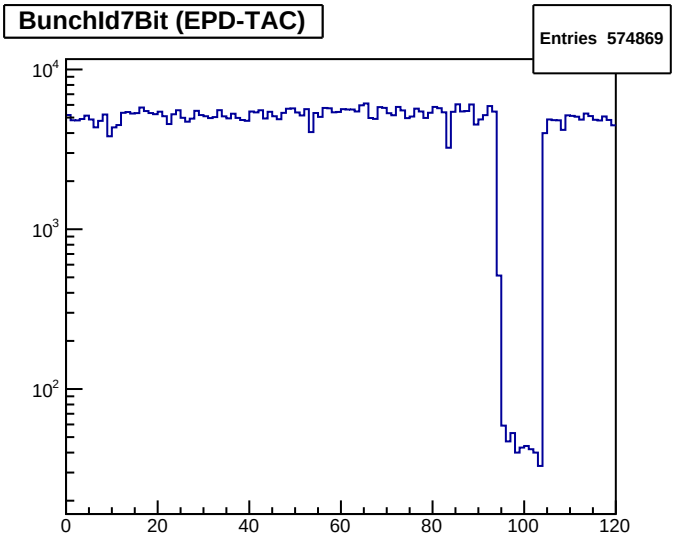
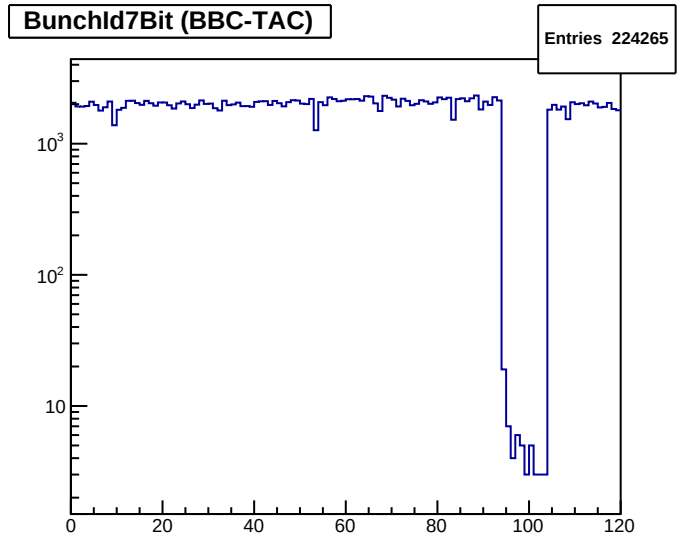
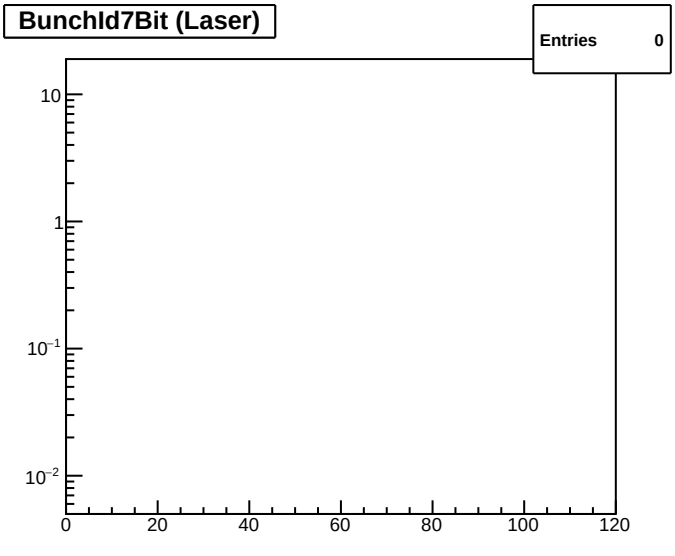
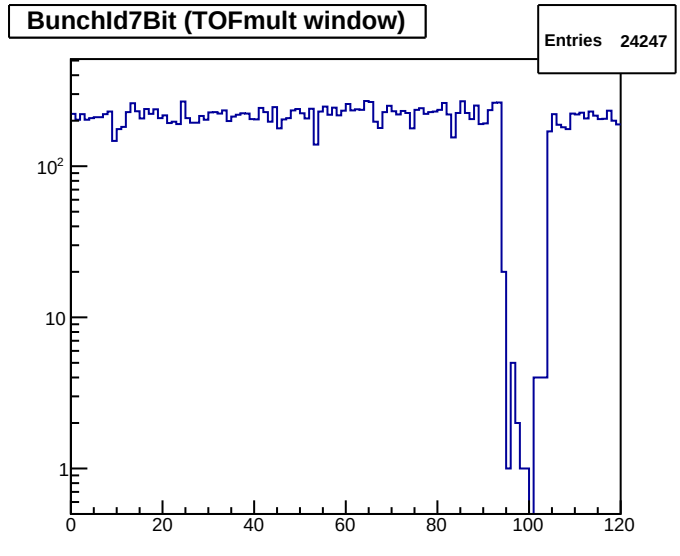

BunchId7Bit (VPD-TAC)
Entries 363614
$10^3$
$10^2$
10
0 20 40 60 80 100 120

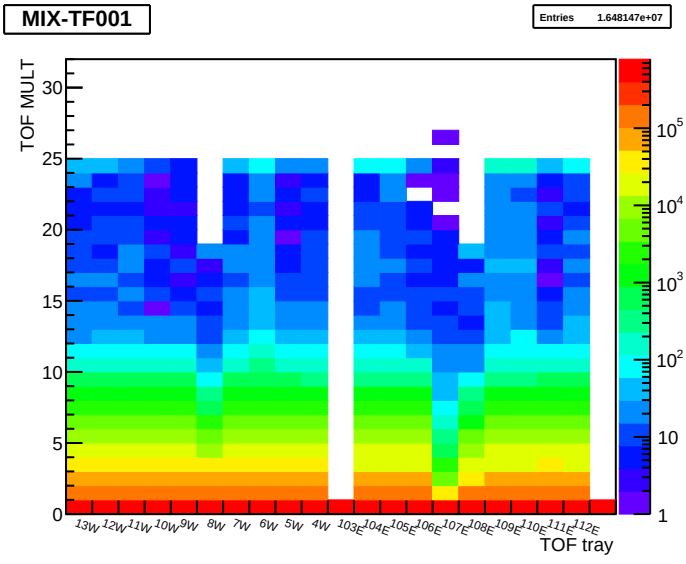

BunchId7Bit (ZDC-TAC)
Entries 1195
10
0 20 40 60 80 100 120

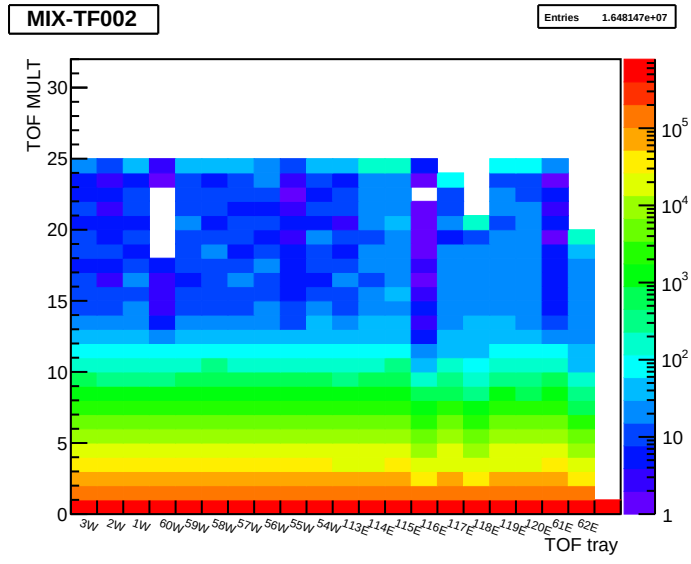

BunchId7Bit (EPD-TAC)
Entries 574869
$10^4$
$10^3$
$10^2$
0 20 40 60 80 100 120

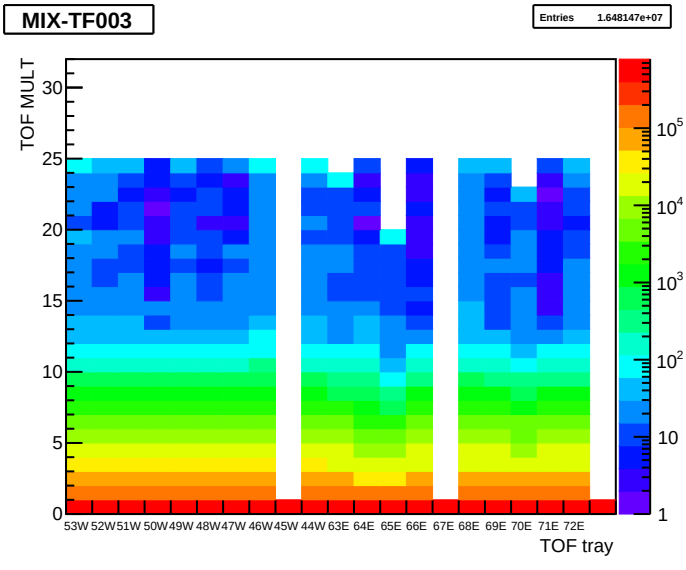

BunchId7Bit (BBC-TAC)
Entries 224265
$10^3$
$10^2$
10
0 20 40 60 80 100 120

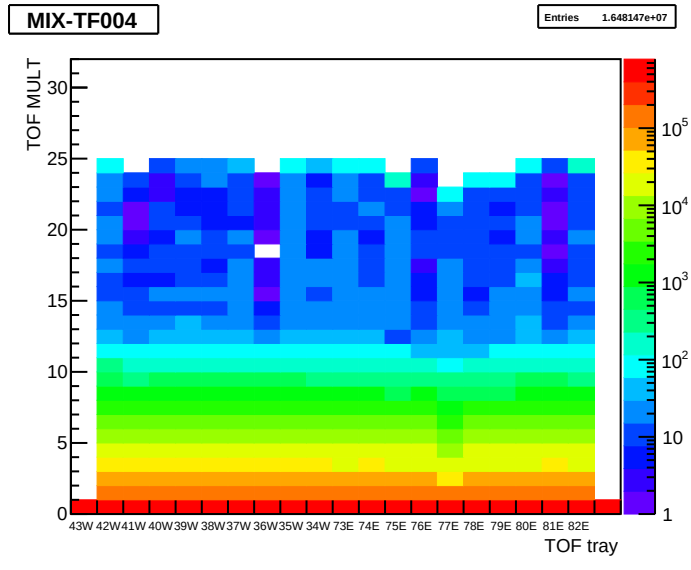

BunchId7Bit (Laser)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0 20 40 60 80 100 120

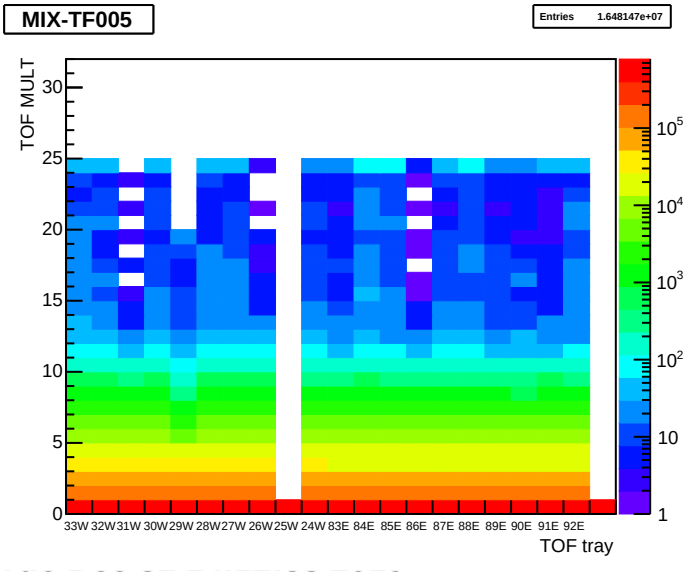

BunchId7Bit (TOFmult window)
Entries 24247
$10^2$
10
1
0 20 40 60 80 100 120

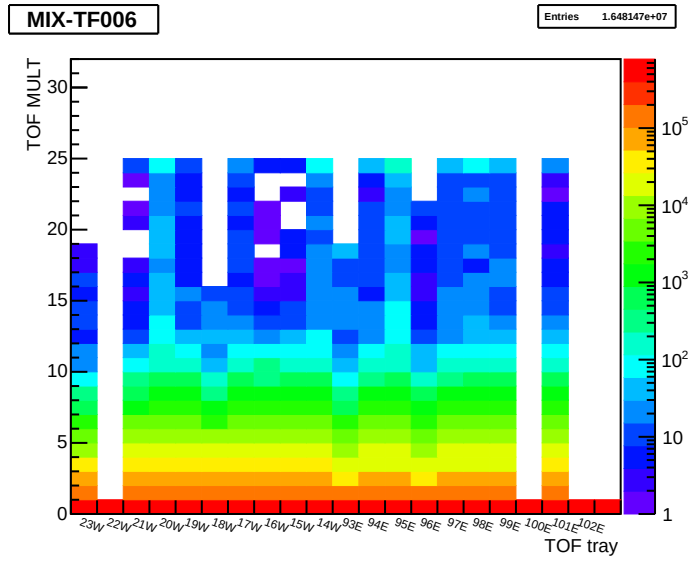

MIX-TF001
Entries 1.648147e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

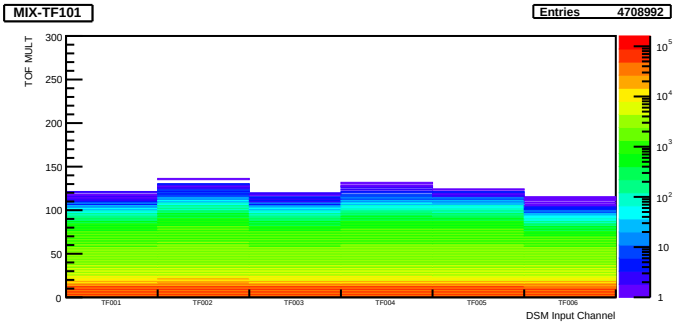

MIX-TF002
Entries 1.648147e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

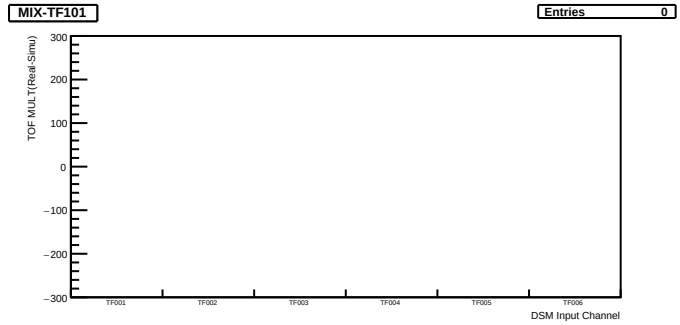

MIX-TF003
Entries 1.648147e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

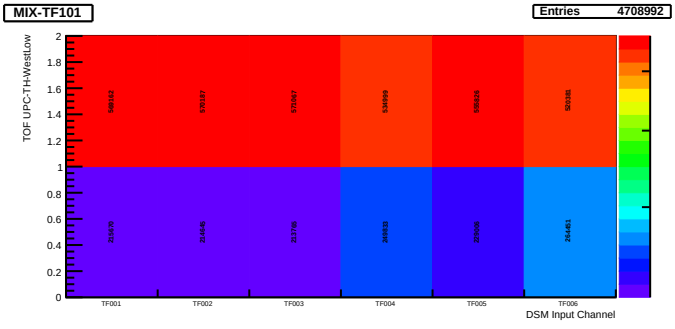

MIX-TF004
Entries 1.648147e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

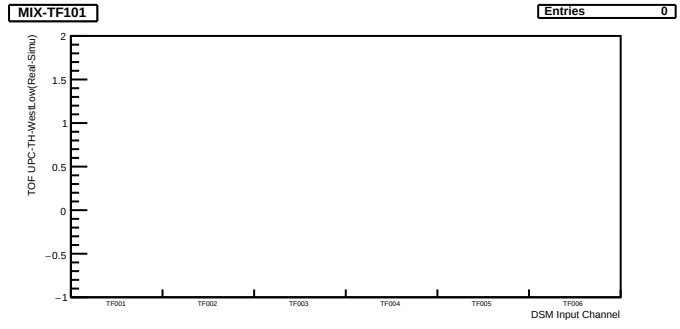

MIX-TF005
Entries 1.648147e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

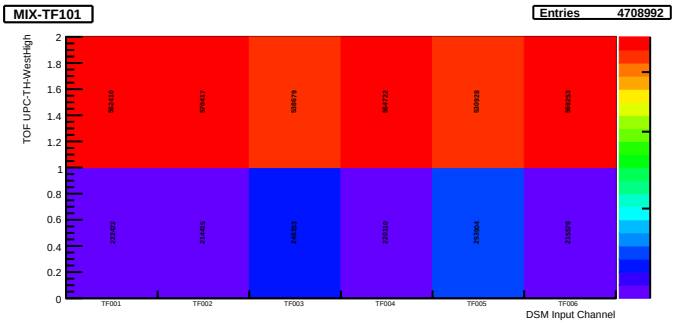

MIX-TF006
Entries 1.648147e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

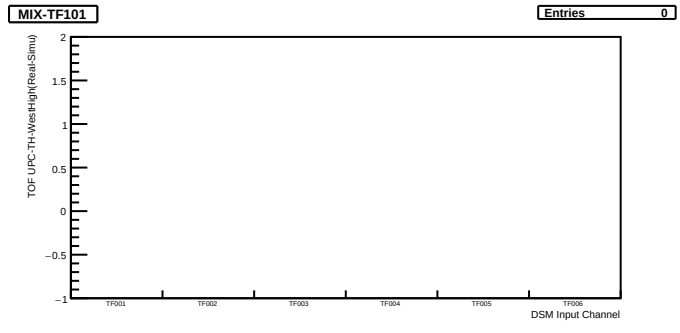

MIX-TF101
Entries 4708992
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

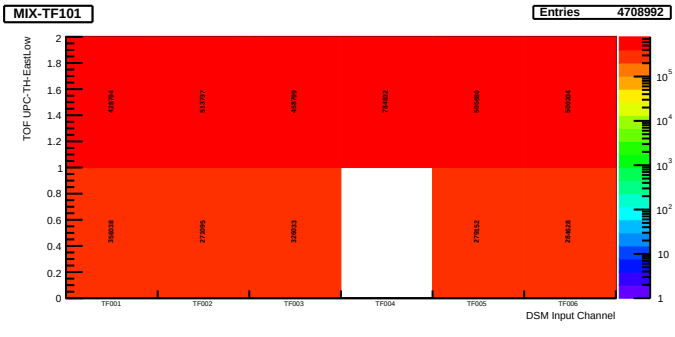

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

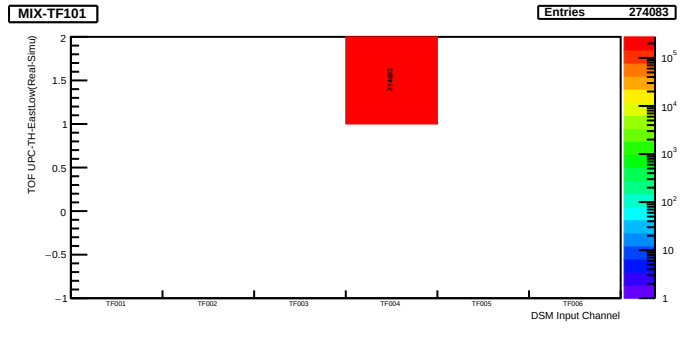

MIX-TF101
Entries 4708992
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

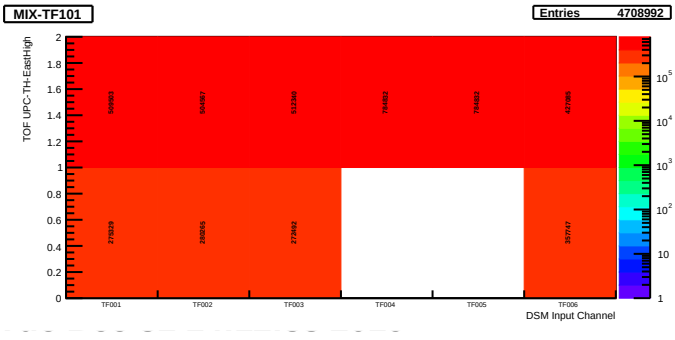

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

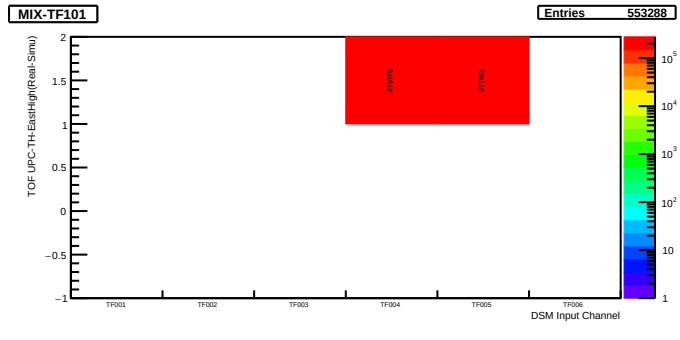

MIX-TF101
Entries 4708992
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

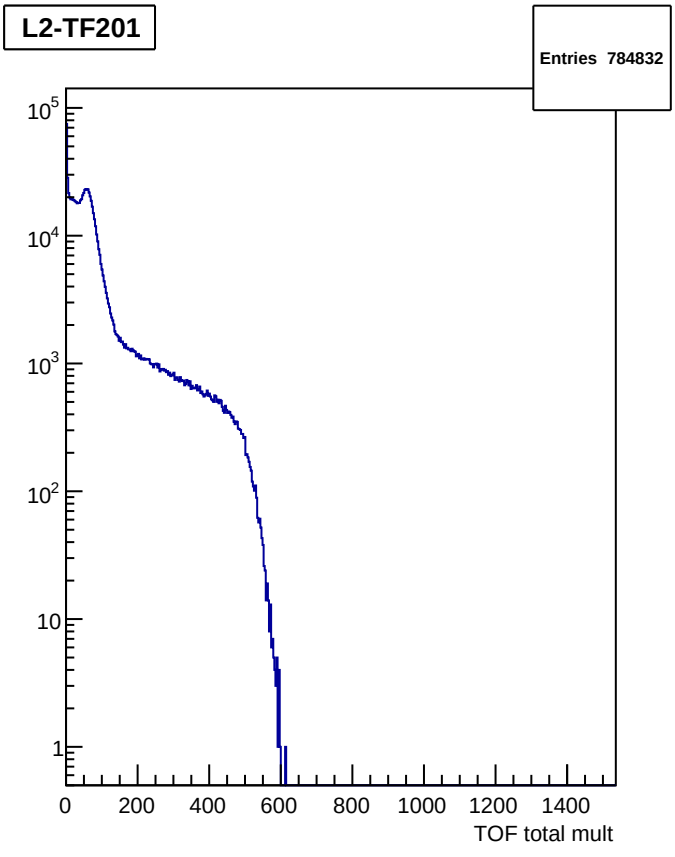

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

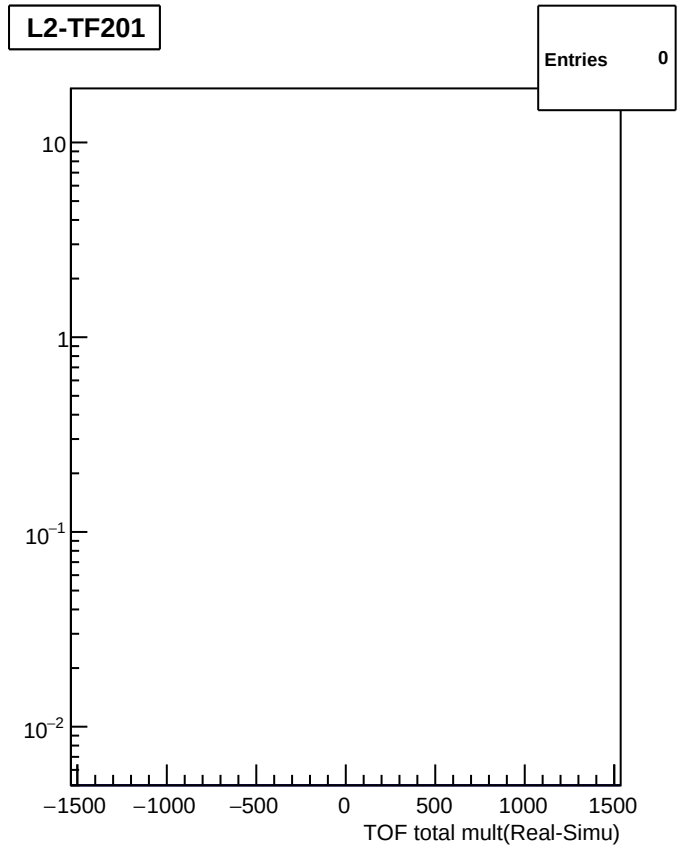

MIX-TF101
Entries 4708992
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

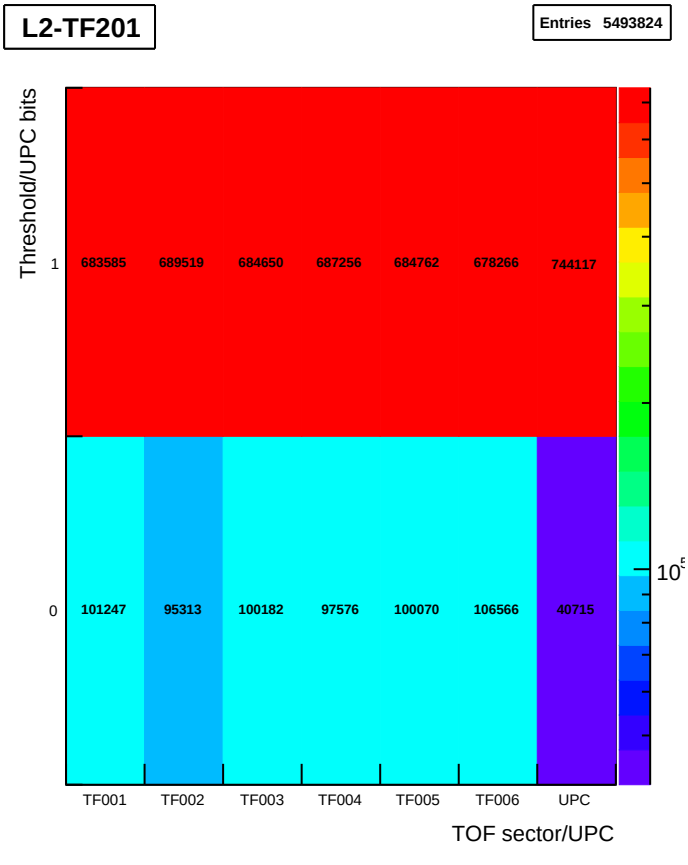

MIX-TF101
Entries 274083
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

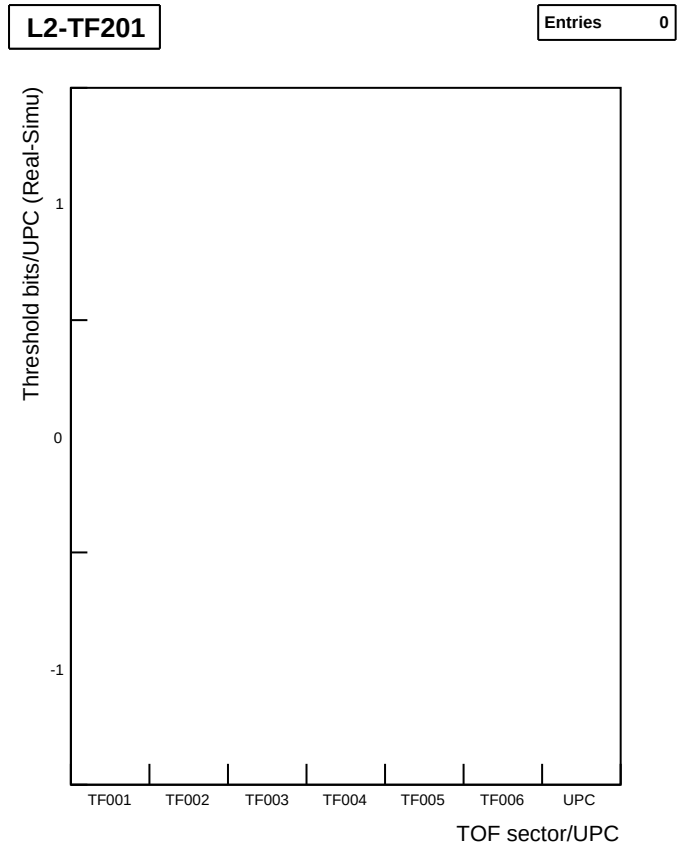

MIX-TF101
Entries 4708992
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

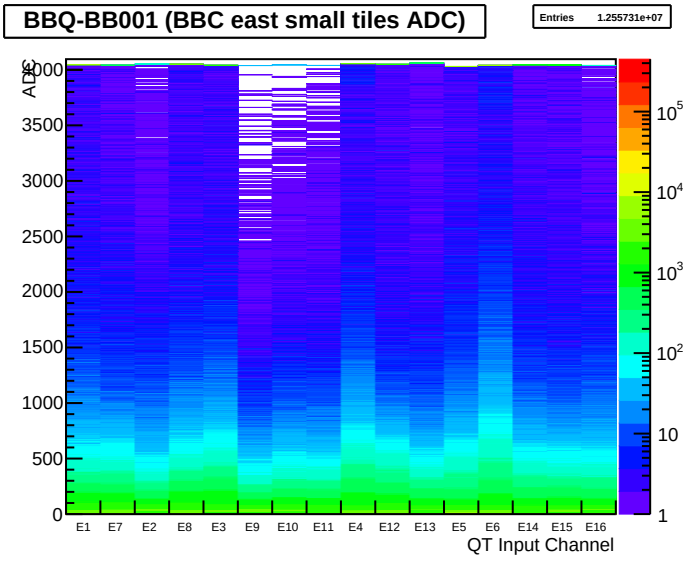

MIX-TF101
Entries 553288
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

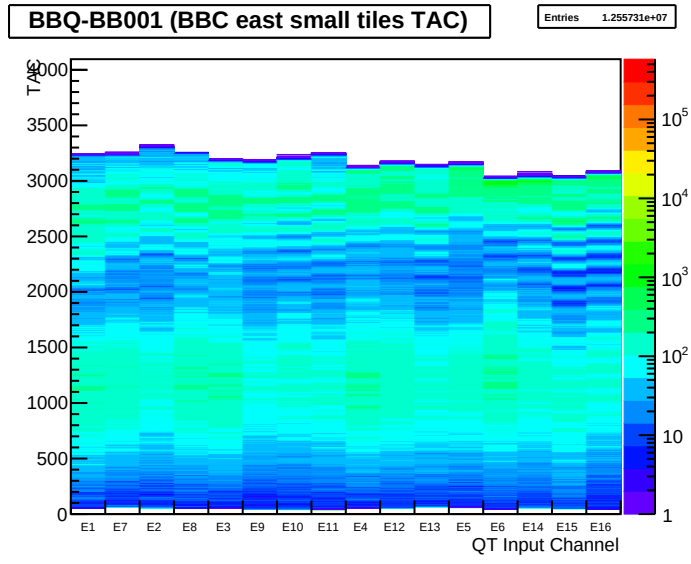

L2-TF201
Entries 784832
TOF total mult

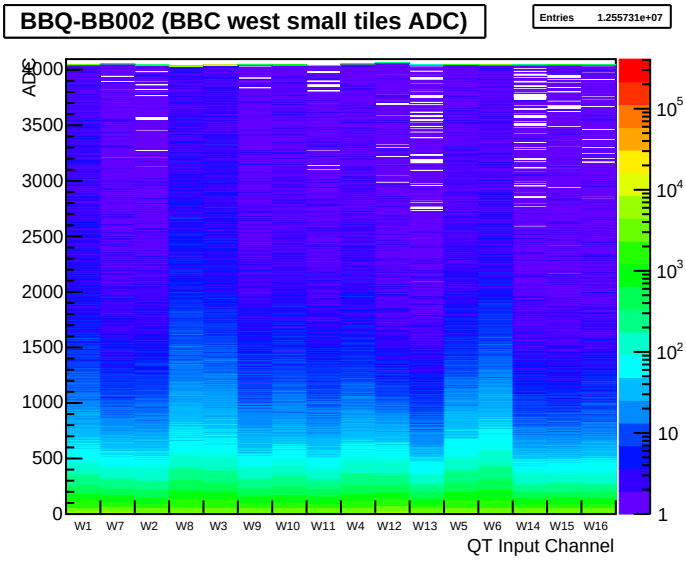

L2-TF201
Entries 0
TOF total mult(Real-Simu)

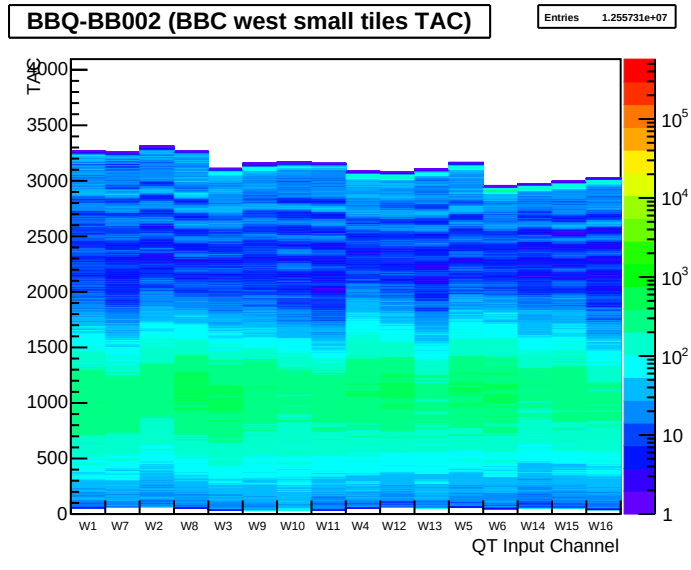

L2-TF201
Entries 5493824
Threshold/UPC bits
683585
689519
684650
687256
684762
678266
744117
101247
95313
100182
97576
100070
106566
40715
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

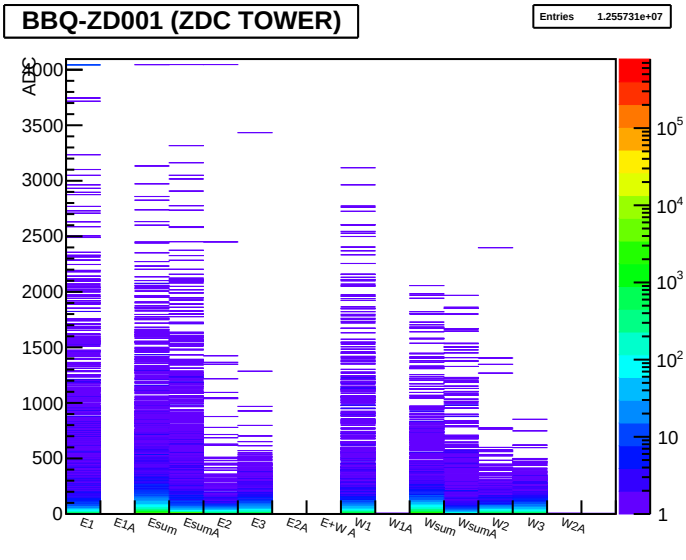

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

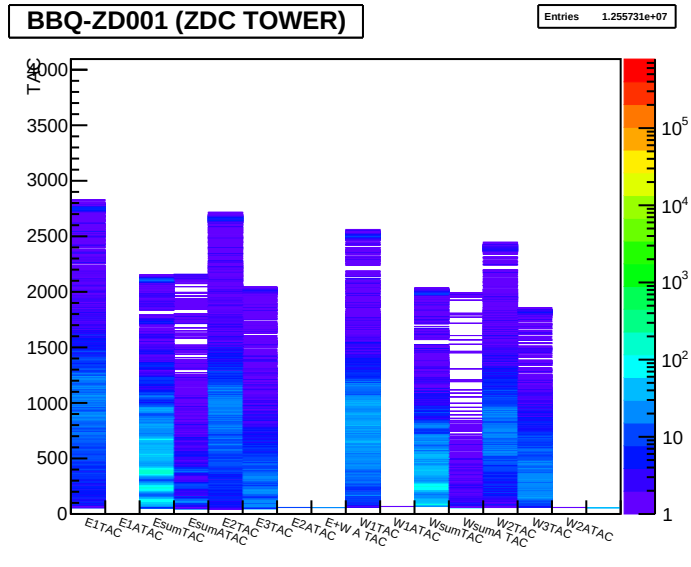

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.255731e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

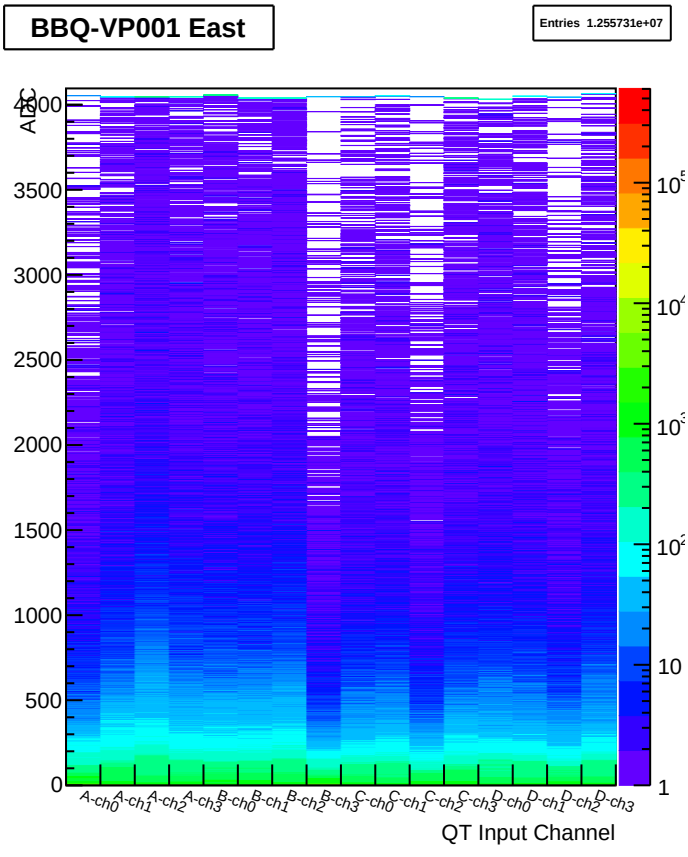

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.255731e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

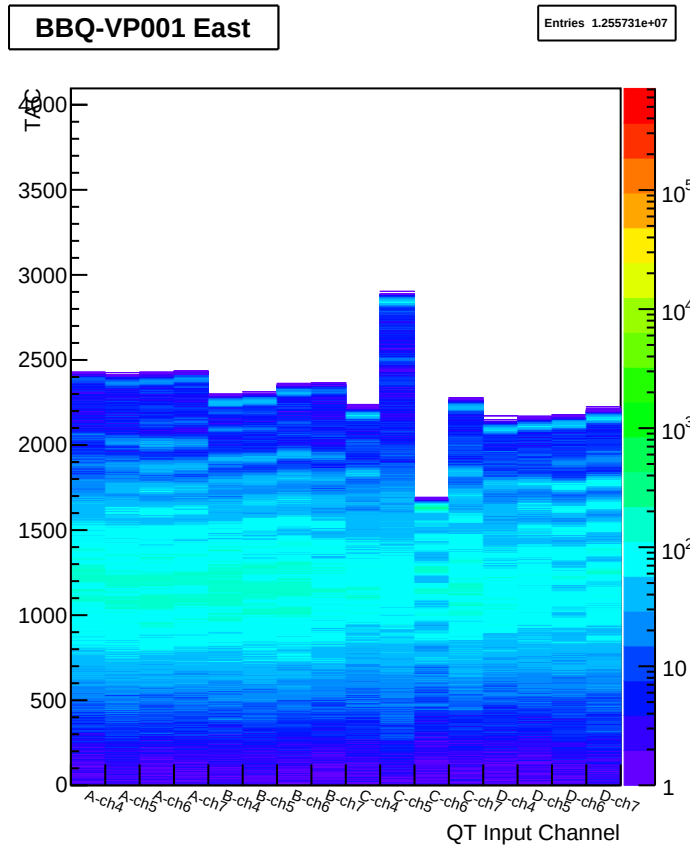

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.255731e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

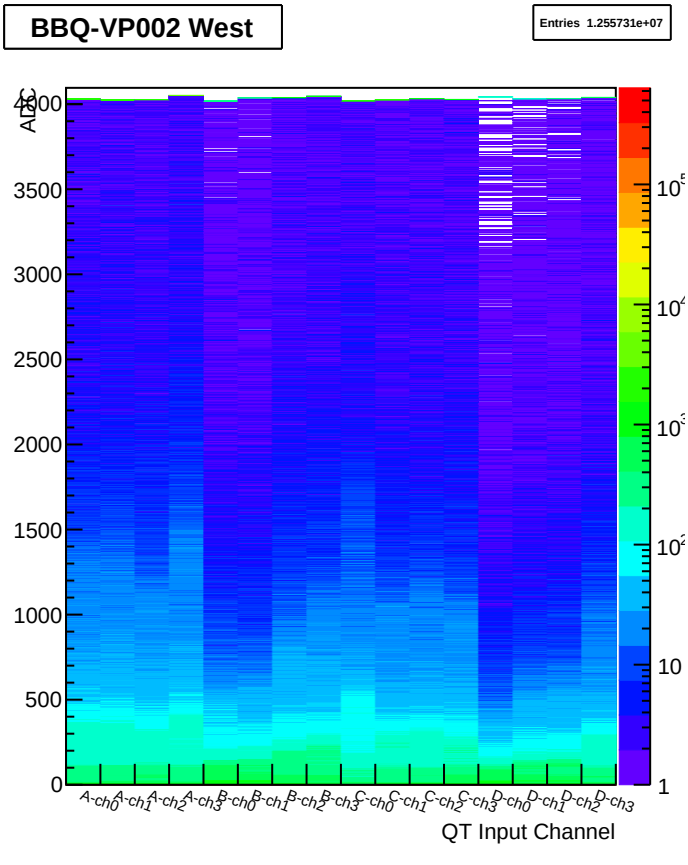

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.255731e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

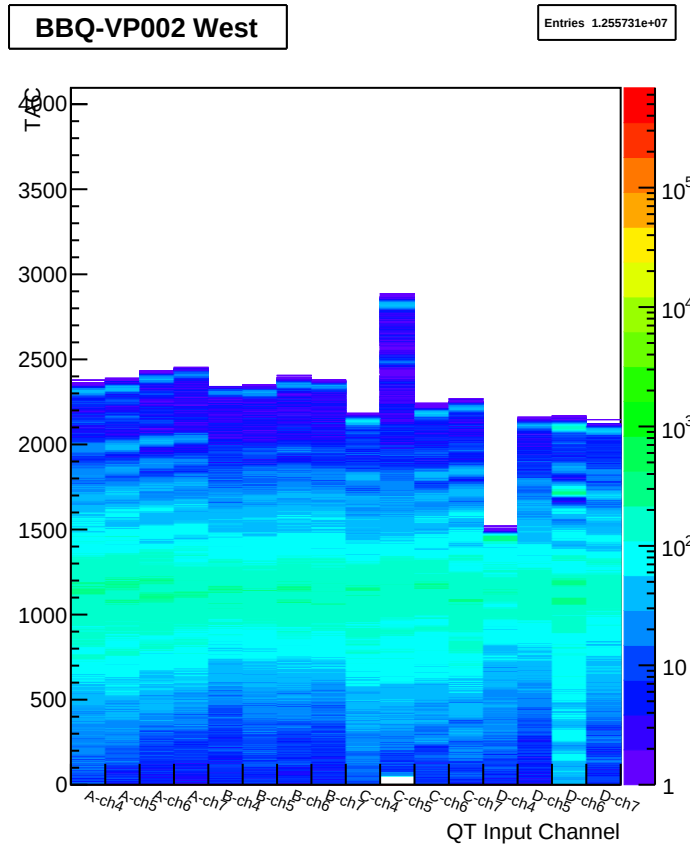

BBQ-ZD001 (ZDC TOWER)
Entries 1.255731e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

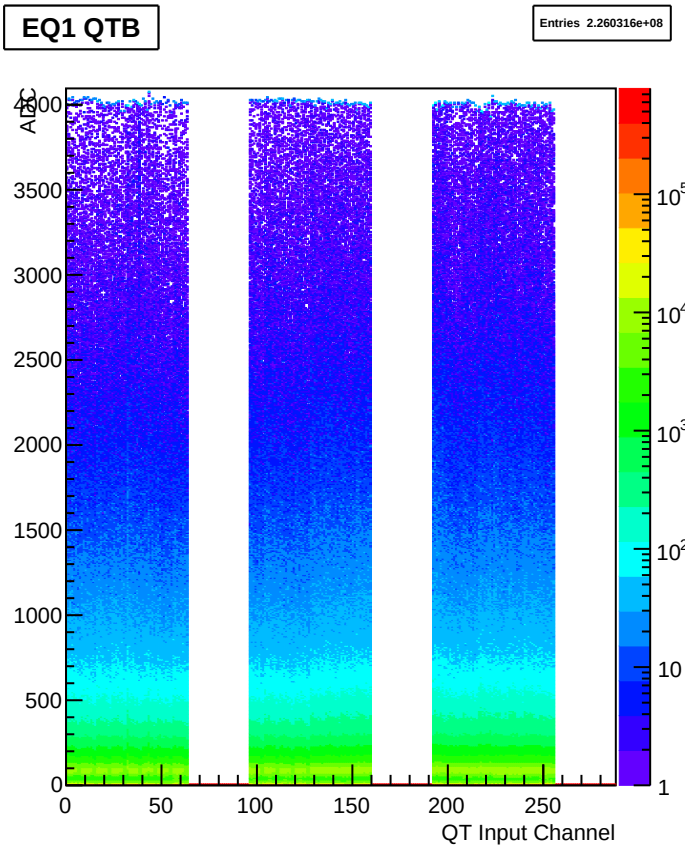

BBQ-ZD001 (ZDC TOWER)
Entries 1.255731e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

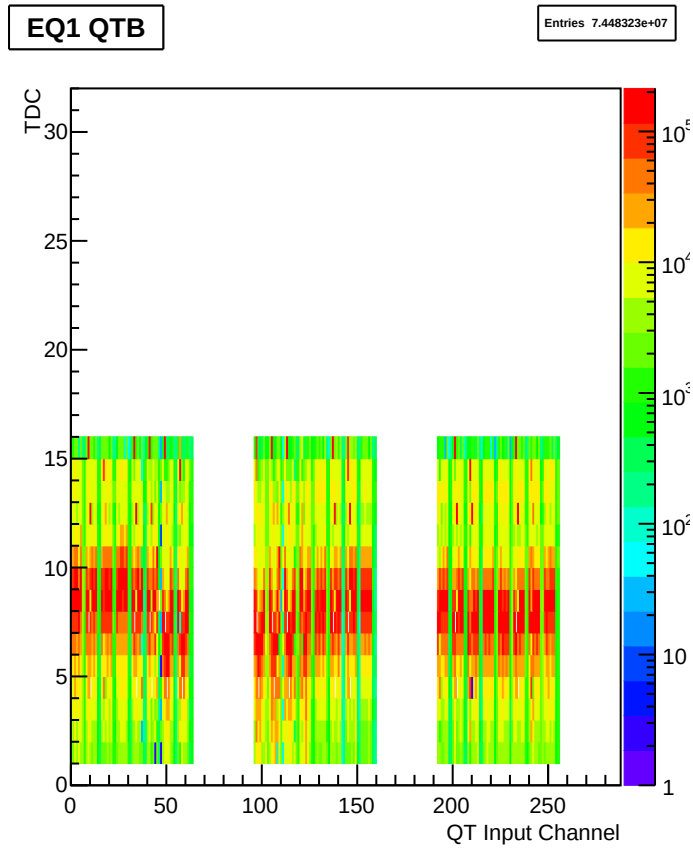

BBQ-VP001 East
Entries 1.255731e+07
ADC
QT Input Channel

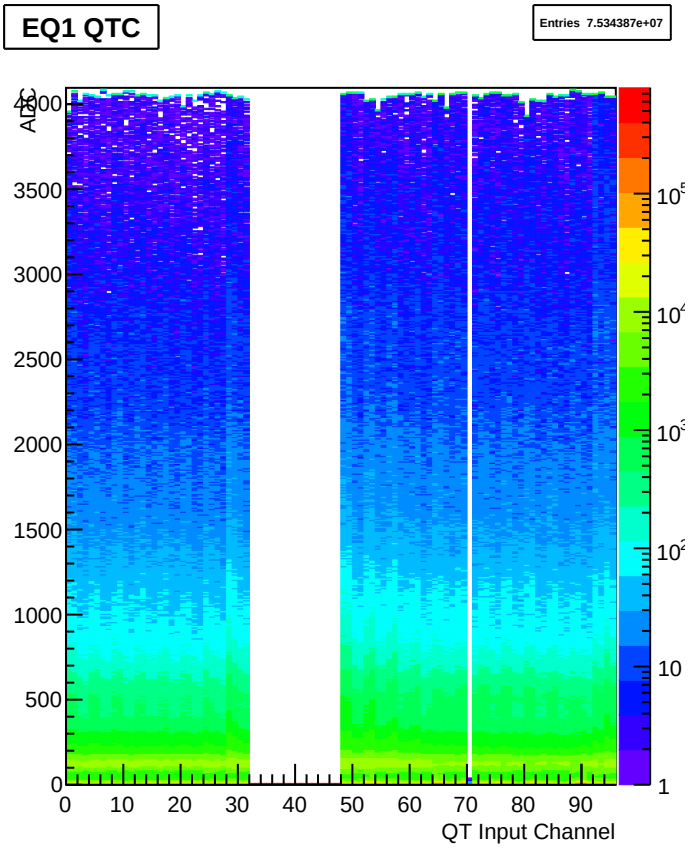

BBQ-VP001 East
Entries 1.255731e+07
ADC
QT Input Channel

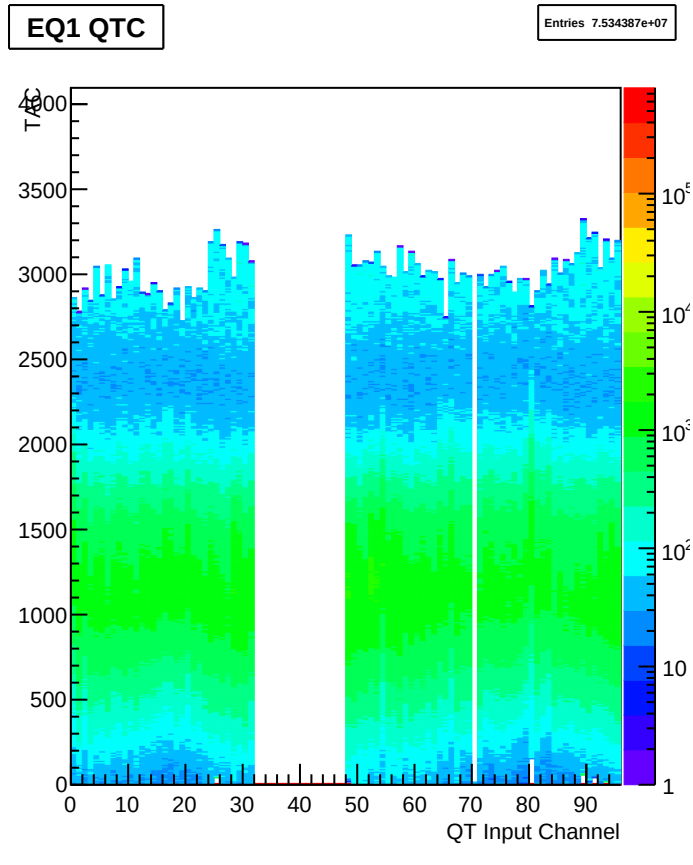

BBQ-VP002 West
Entries 1.255731e+07
ADC
QT Input Channel

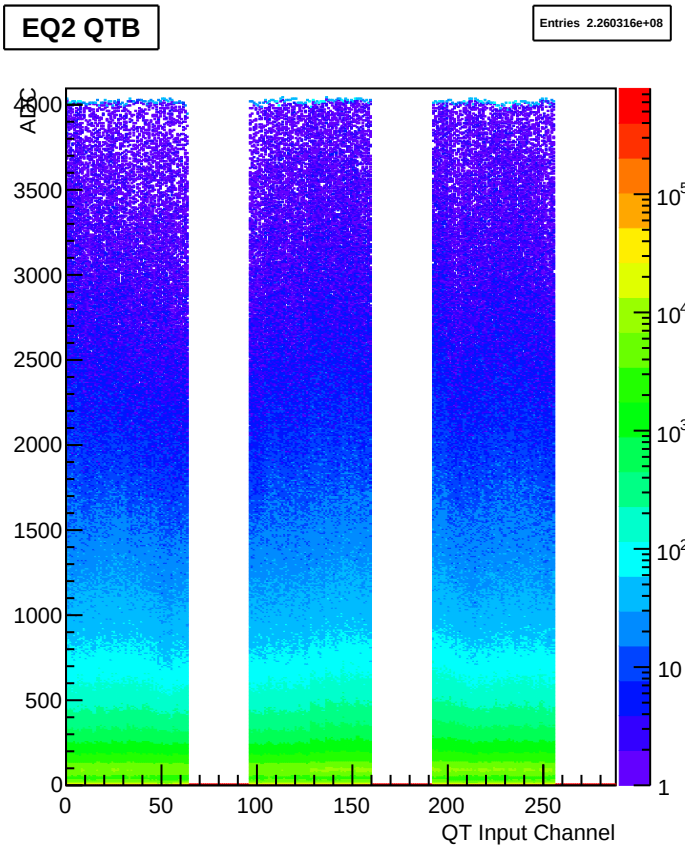

BBQ-VP002 West
Entries 1.255731e+07
ADC
QT Input Channel

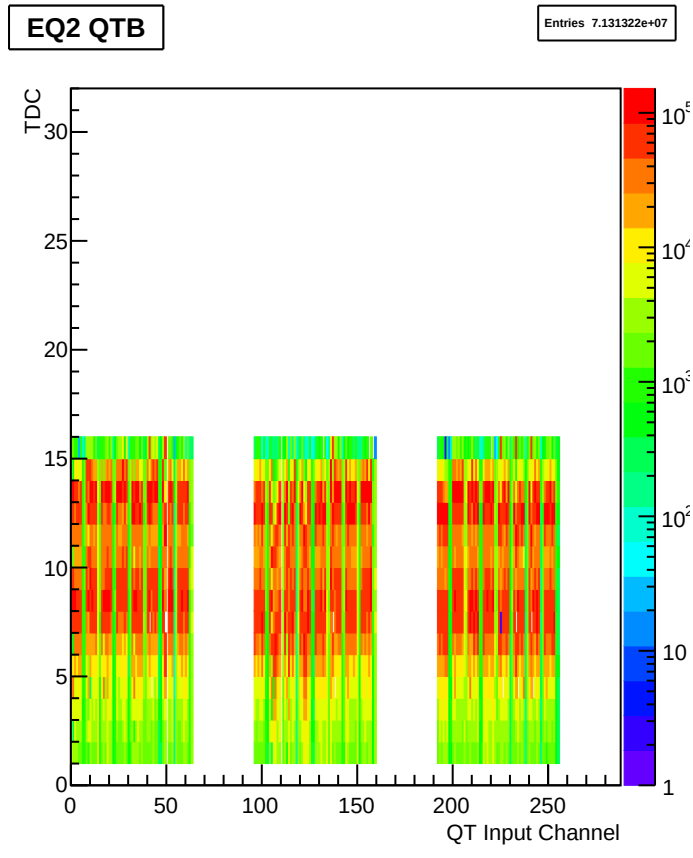

EQ1 QTB
Entries 2.260316e+08
ADC
QT Input Channel

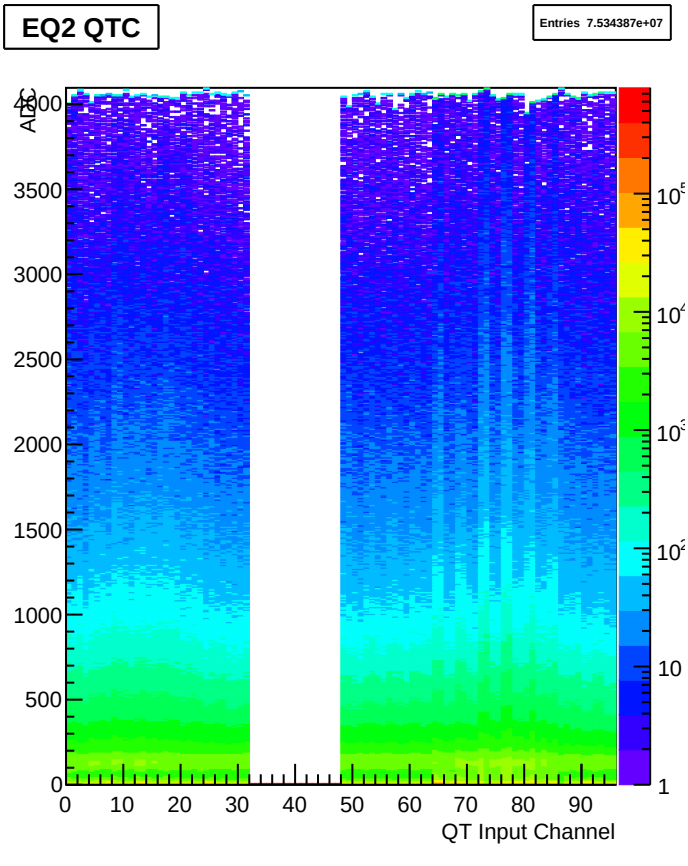

EQ1 QTB
Entries 7.448323e+07
TDC
QT Input Channel

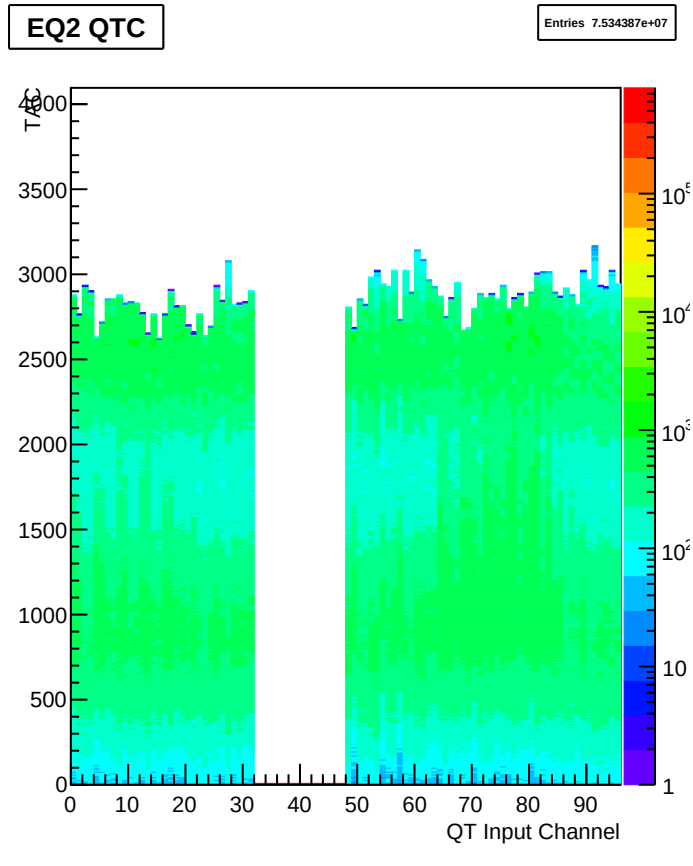

EQ1 QTC
Entries 7.534387e+07
ADC
QT Input Channel

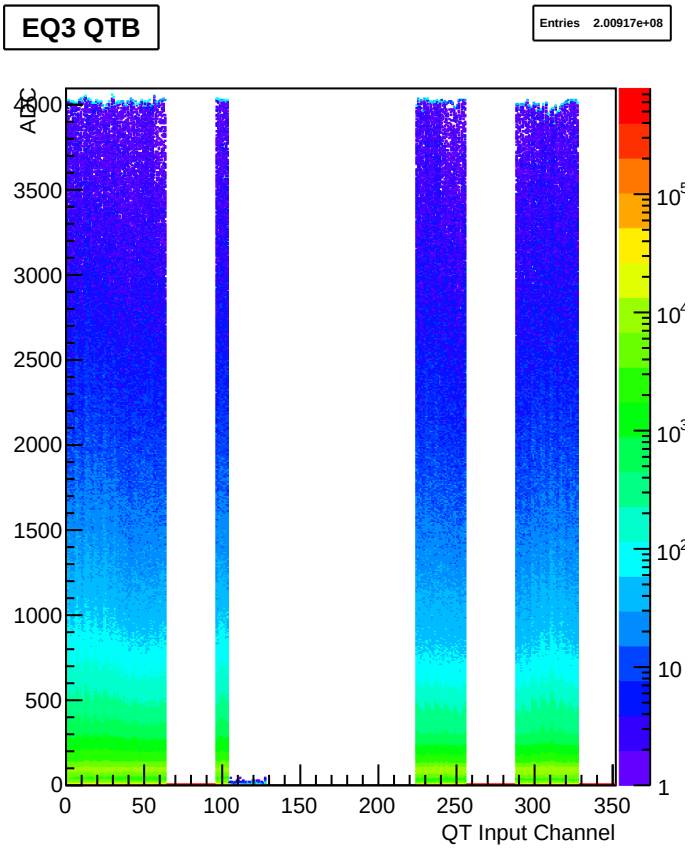

EQ1 QTC
Entries 7.534387e+07
TADC
QT Input Channel

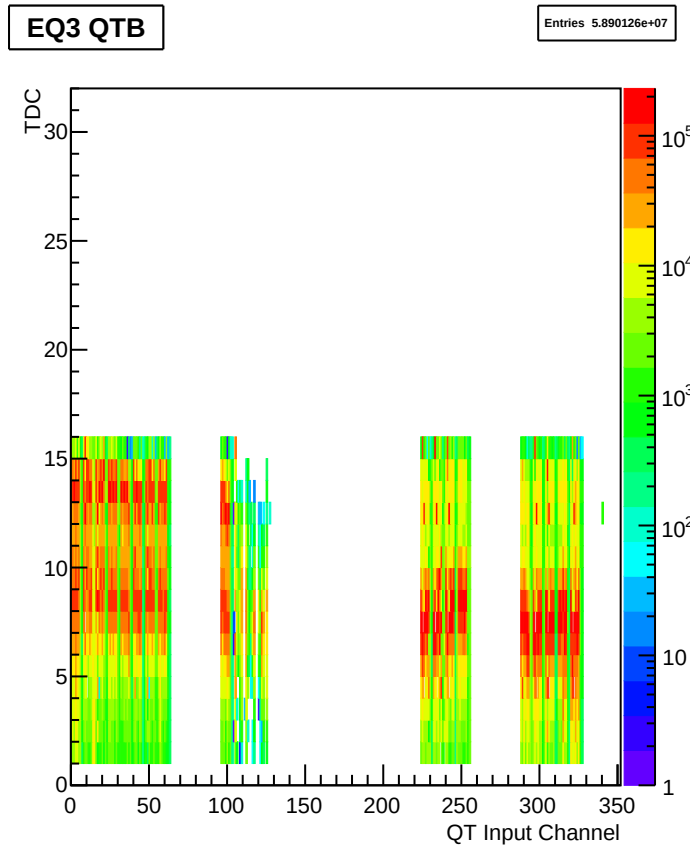

EQ2 QTB
Entries 2.260316e+08
ADC
QT Input Channel

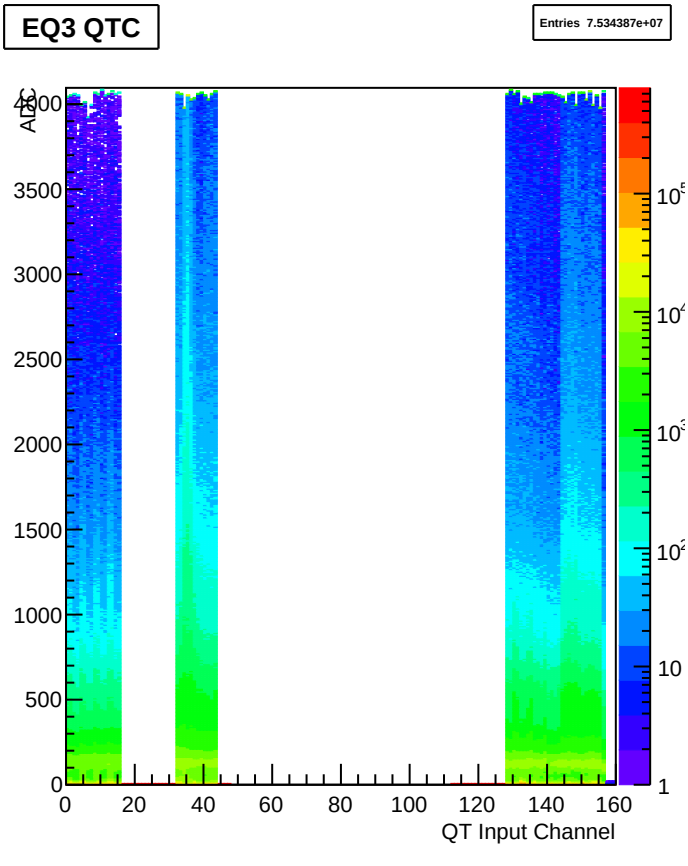

EQ2 QTB
Entries 7.131322e+07
TDC
QT Input Channel

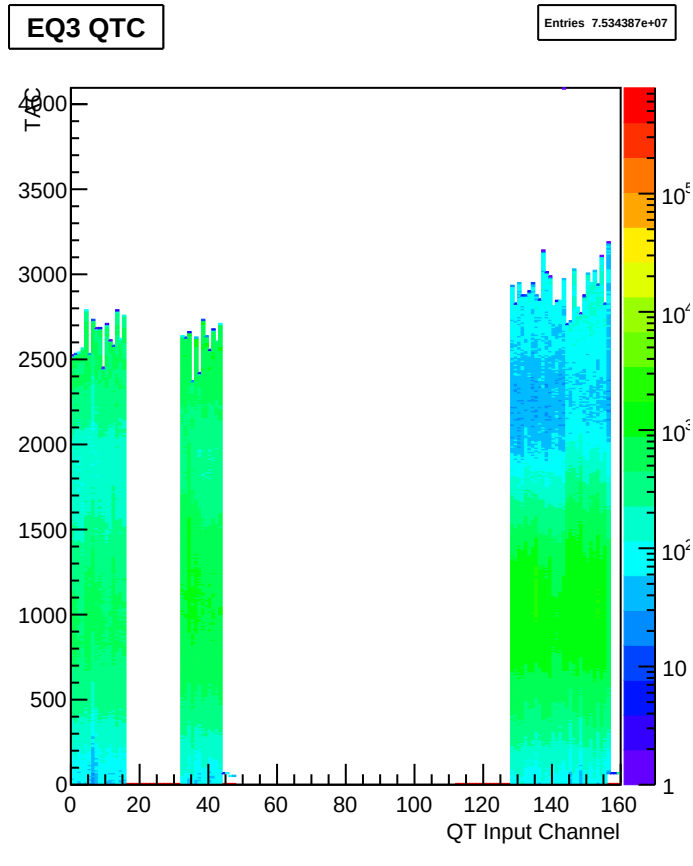

EQ2 QTC
Entries 7.534387e+07
ADC
QT Input Channel

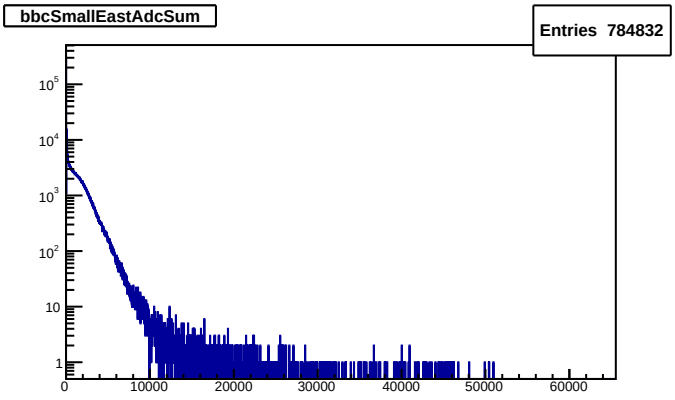

EQ2 QTC
Entries 7.534387e+07
TADC
QT Input Channel

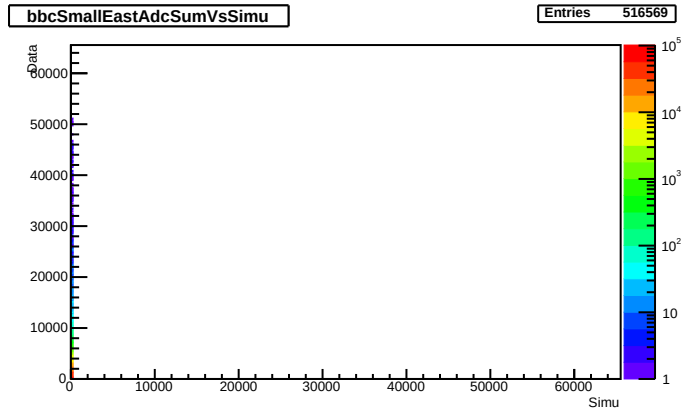

EQ3 QTB
Entries 2.00917e+08
ADC
QT Input Channel

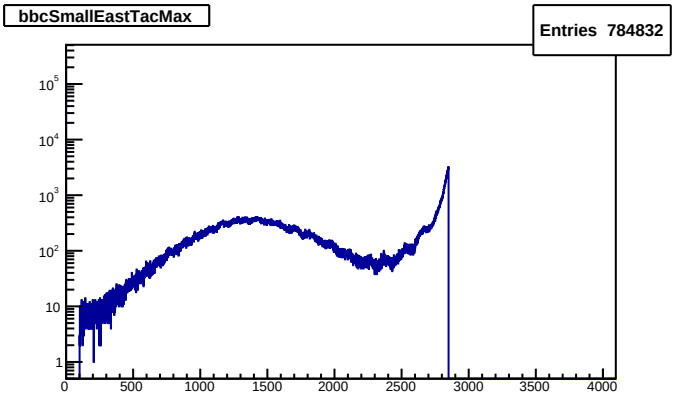

EQ3 QTB
Entries 5.890126e+07
TDC
QT Input Channel

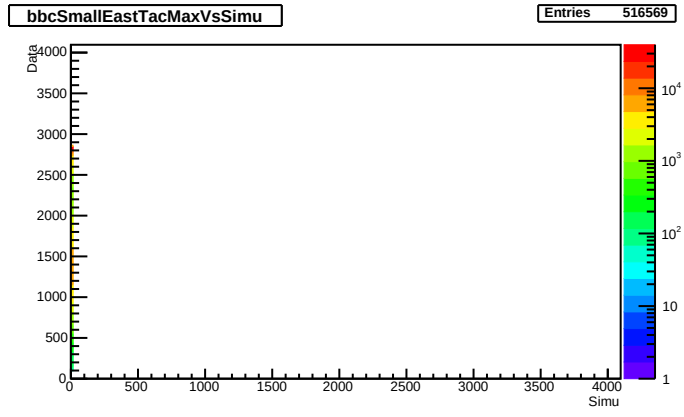

EQ3 QTC
Entries 7.534387e+07
ADC
QT Input Channel


EQ3 QTC
Entries 7.534387e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 784832


bbcSmallEastAdcSumVsSimu
Entries 516569
Data
Simu


bbcSmallEastTacMax
Entries 784832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Entries 516569
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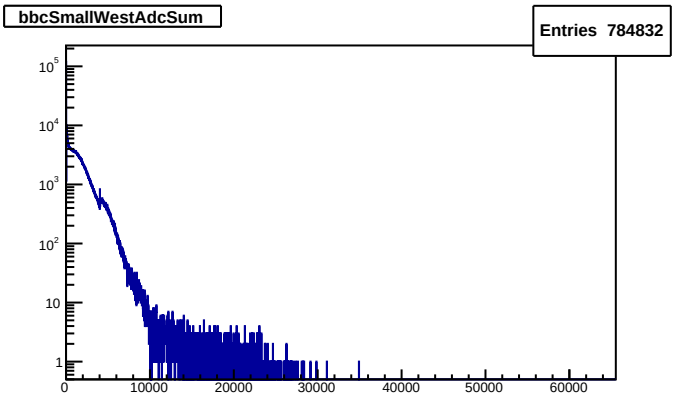
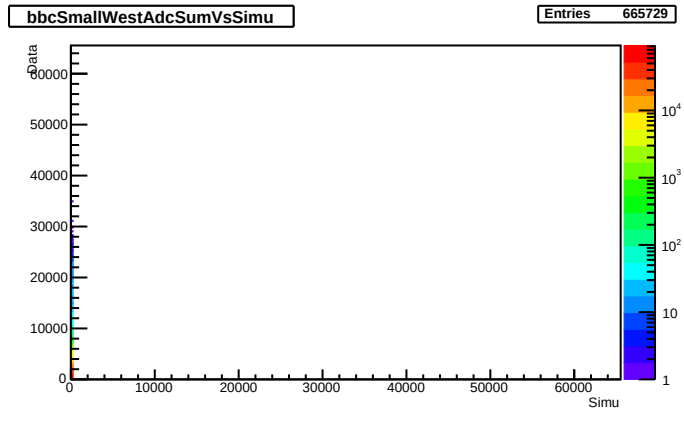

bbcSmallWestAdcSum
Entries 784832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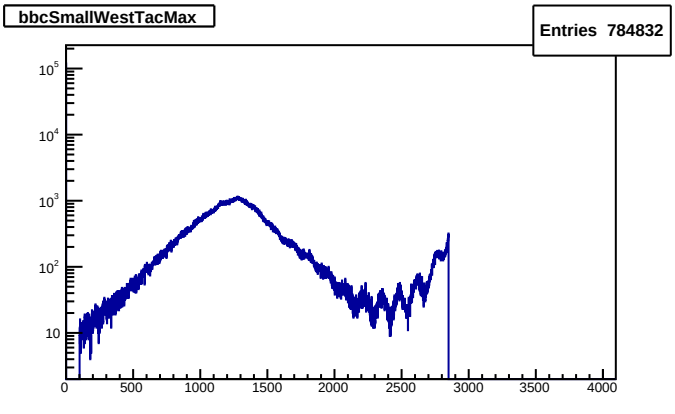
Entries 665729
Data
Simu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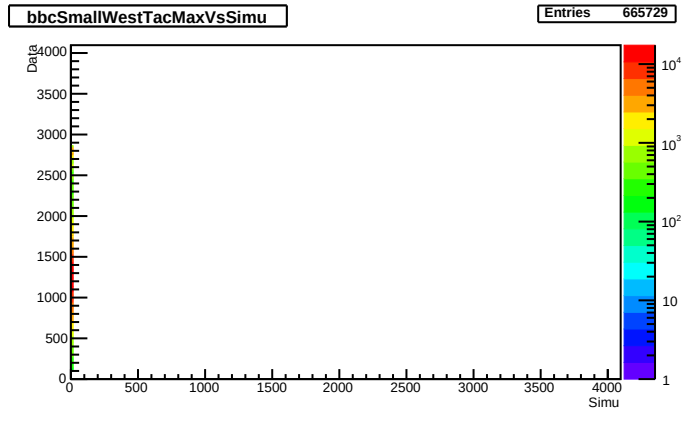
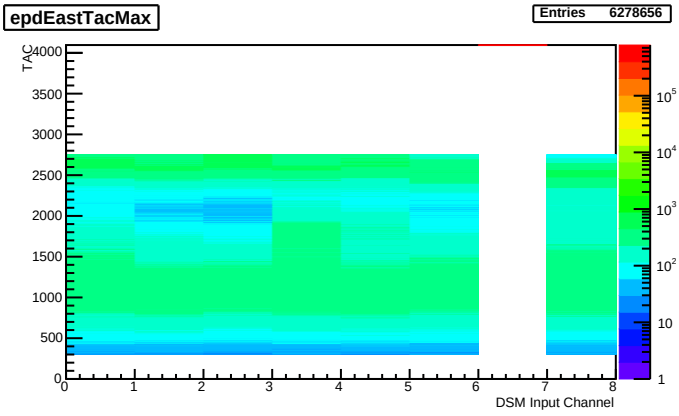
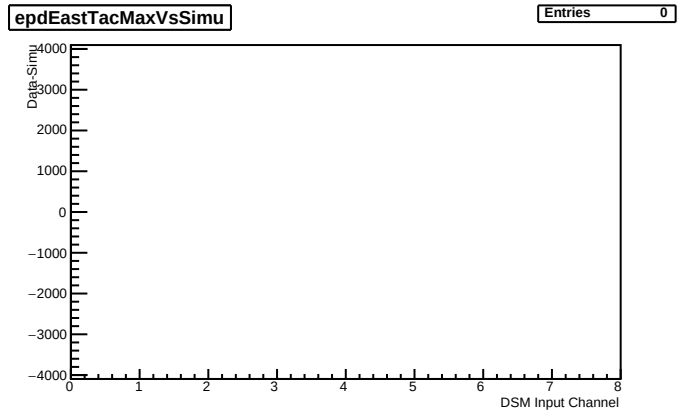
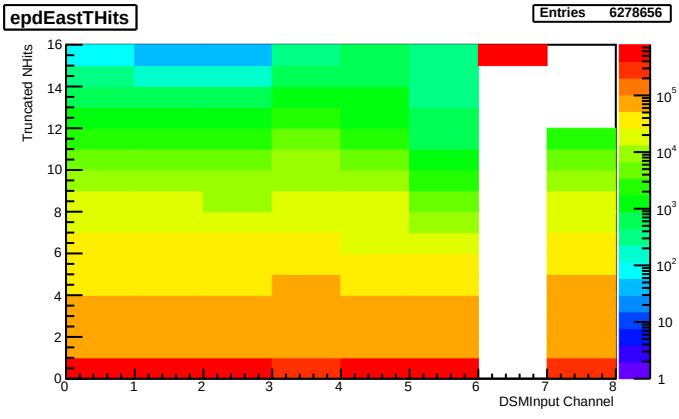
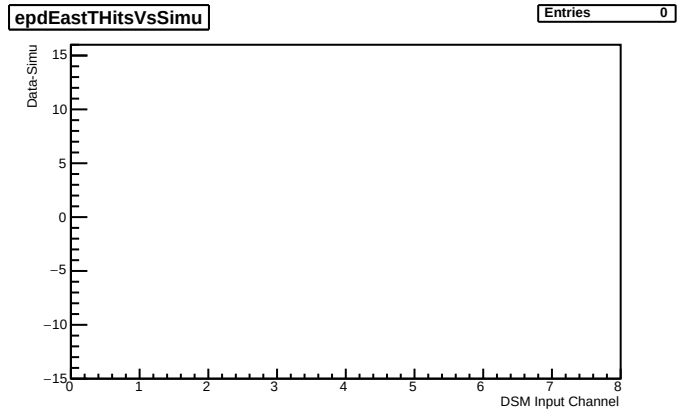
Entries 784832


bbcSmallWestTacMaxVsSimu
Entries 665729
Data
Simu


epdEastTacMax
Entries 6278656
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 6278656
Truncated NHits
DSMInput Channel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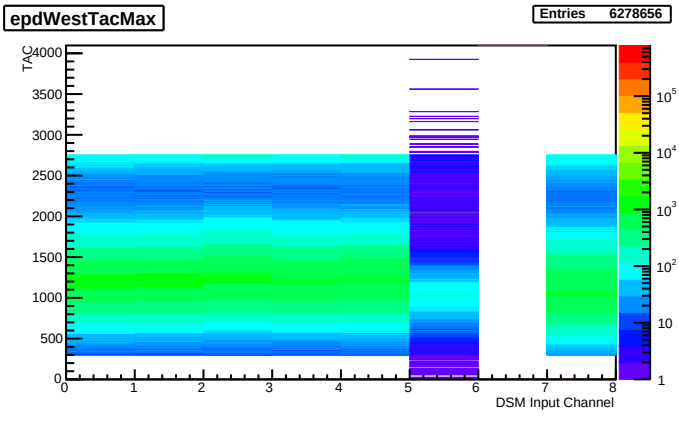
Data-Simu
DSM Input Channel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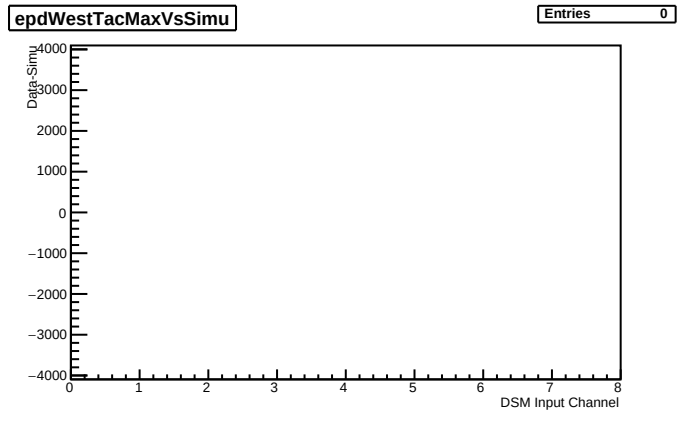
Entries 6278656
TAC
DSM Input Channel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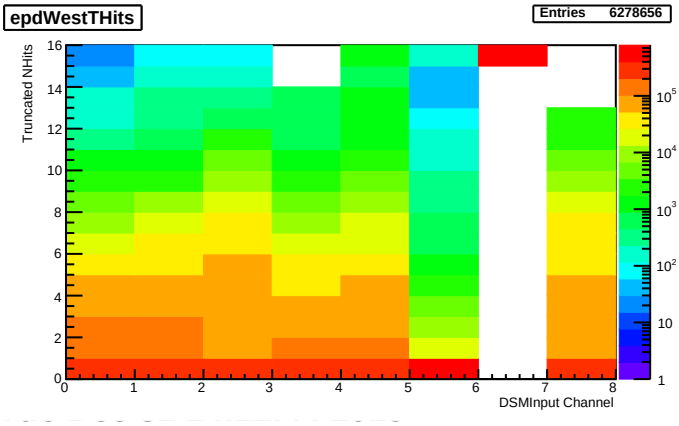
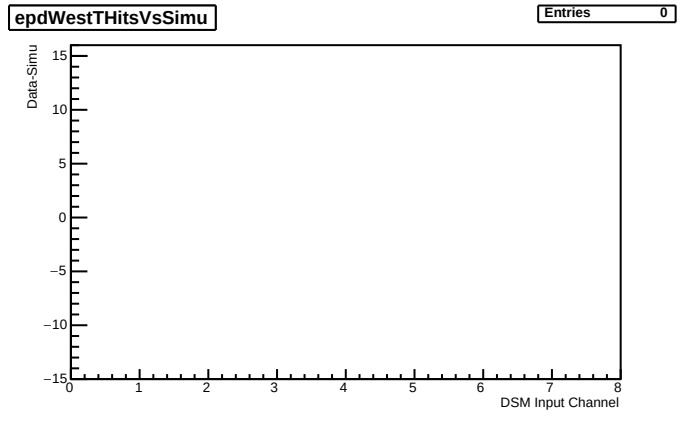
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 6278656
Truncated NHits
DSMInput Channel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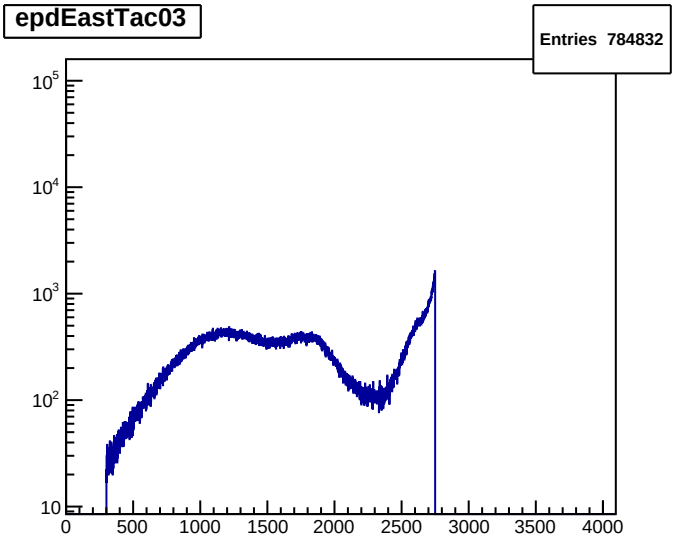
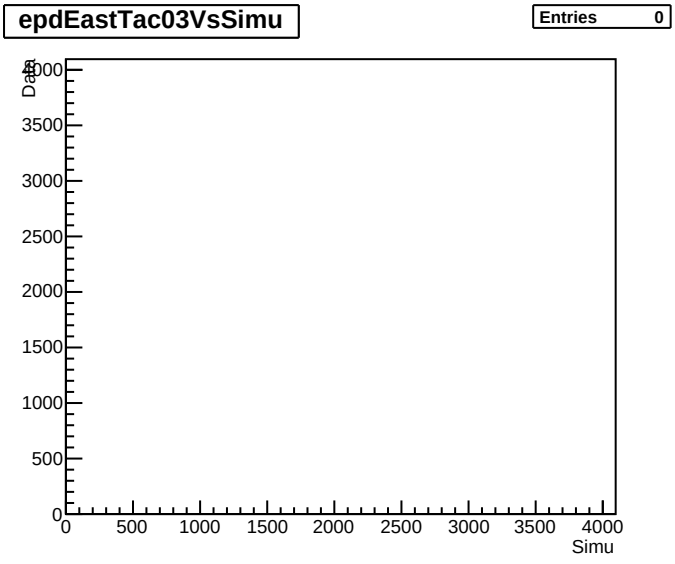
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 784832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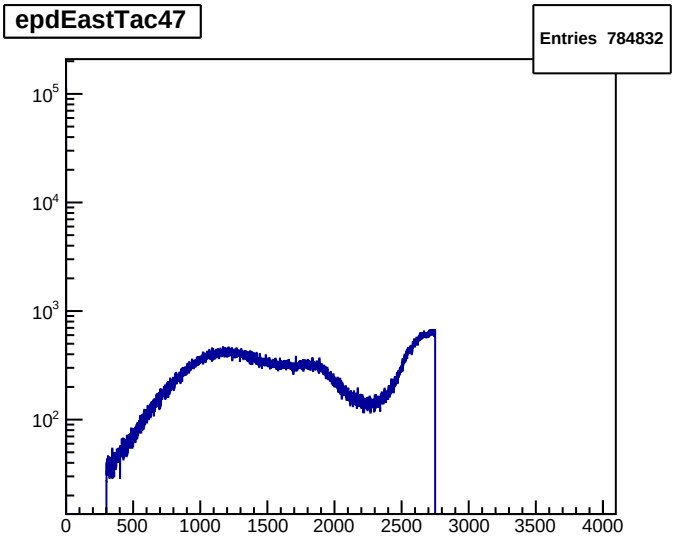
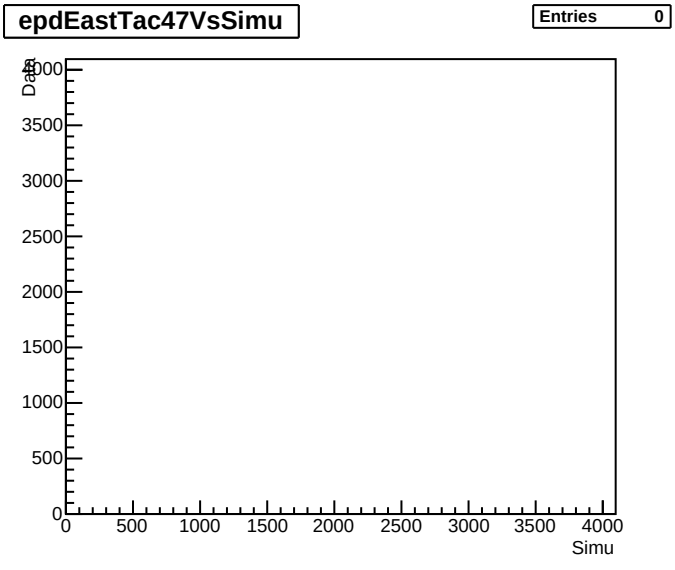
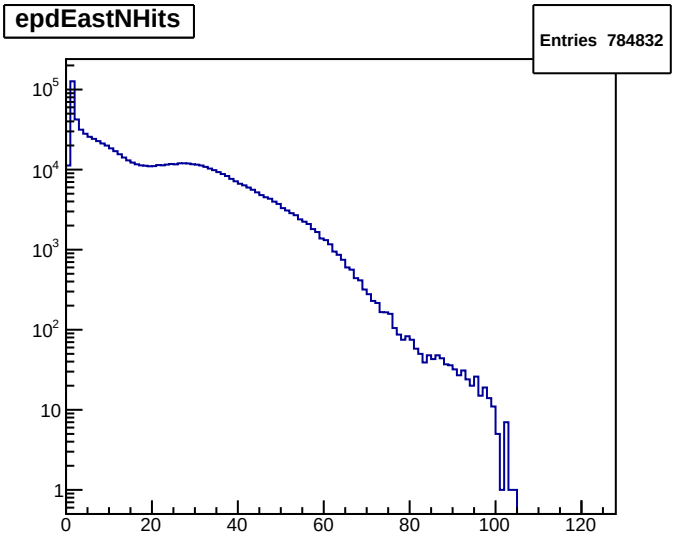
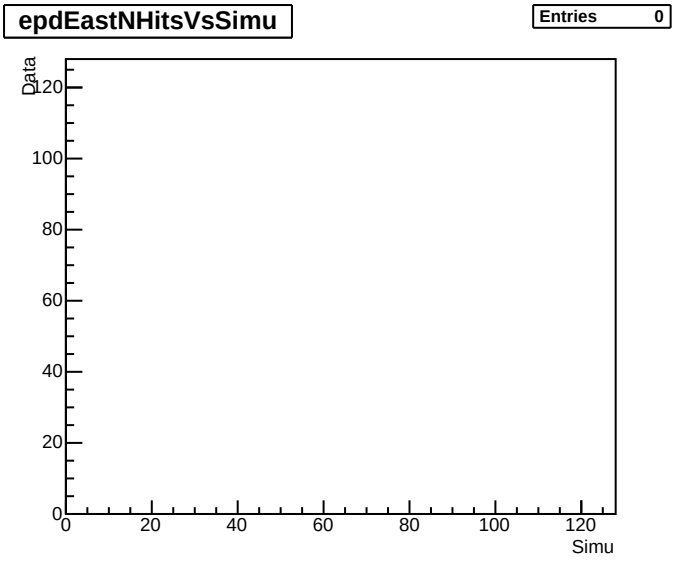
Entries 0
Data
Simu


epdEastTac47
Entries 784832


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 784832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Entries 0
Data
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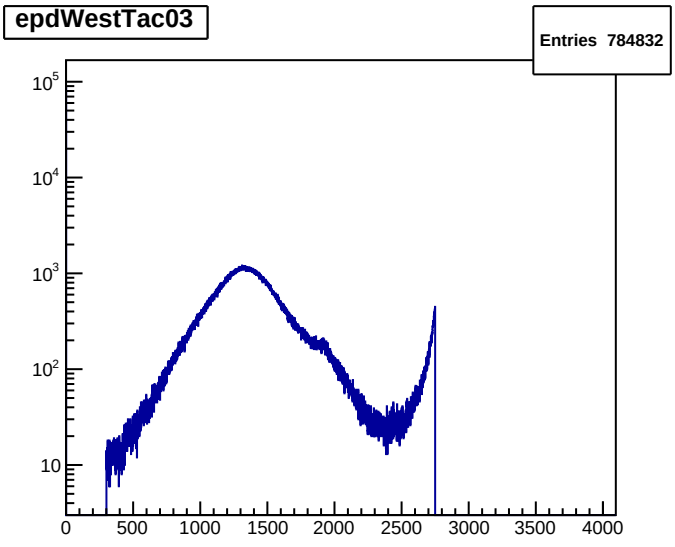
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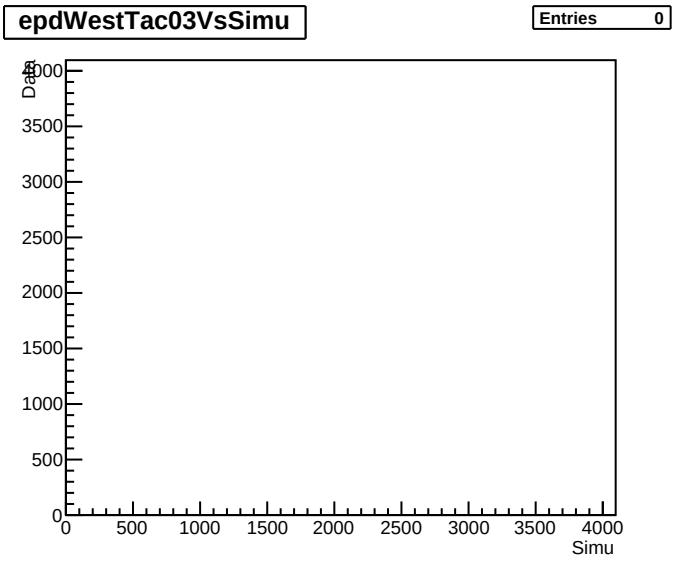
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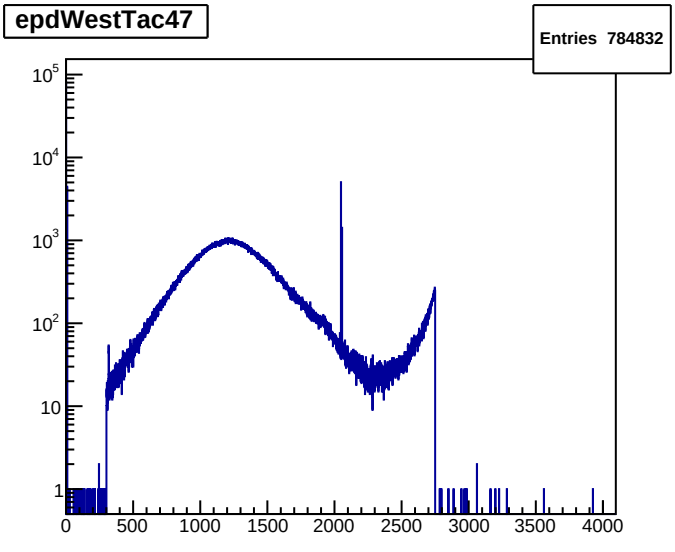
Entries 0
Data
Simu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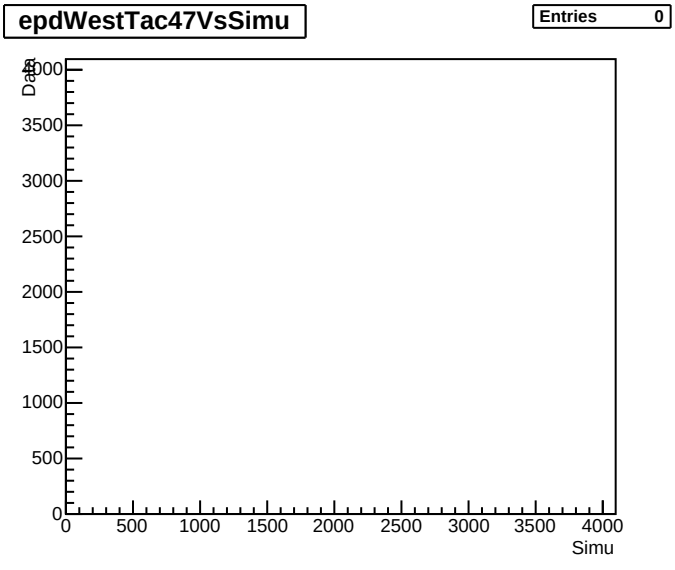
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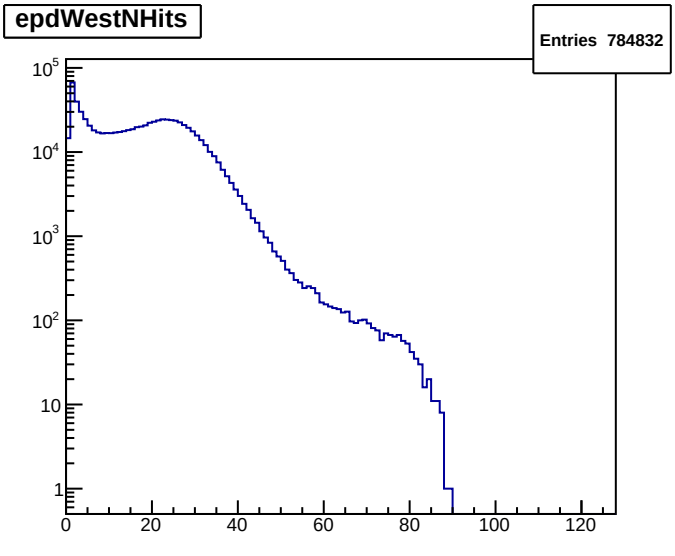
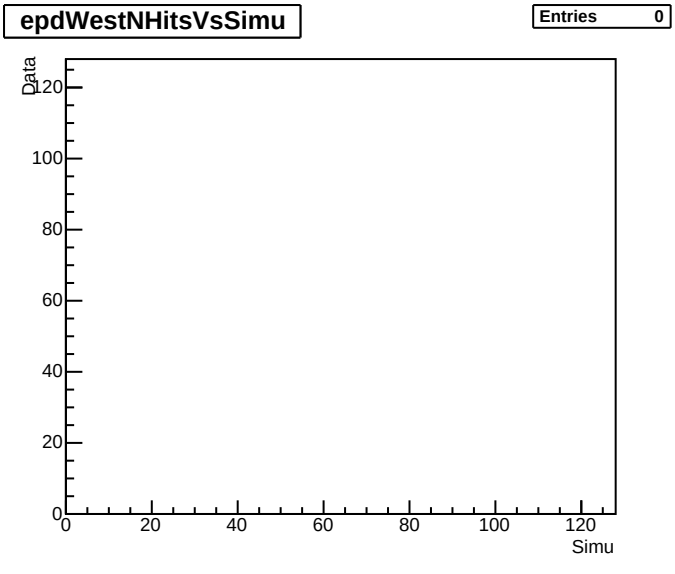
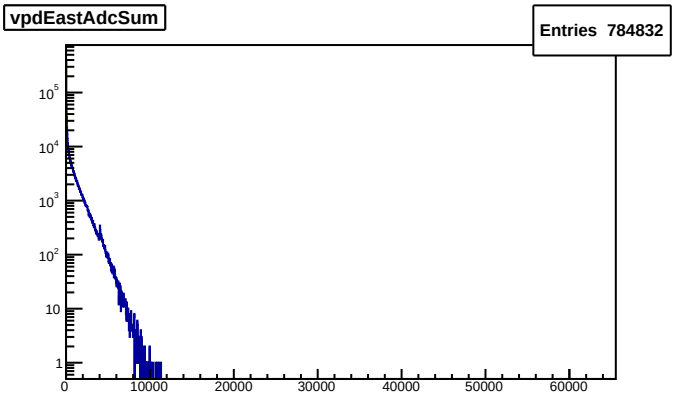
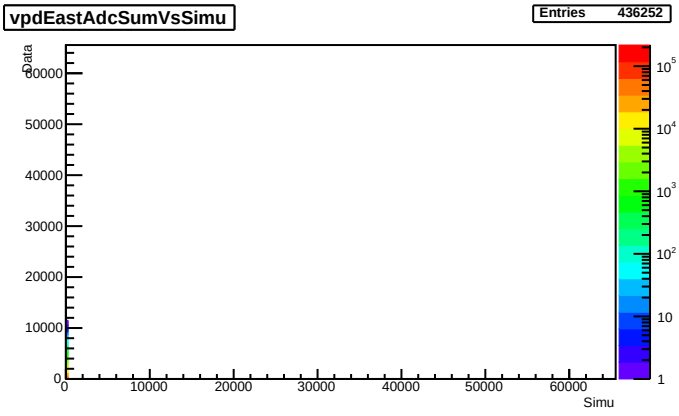
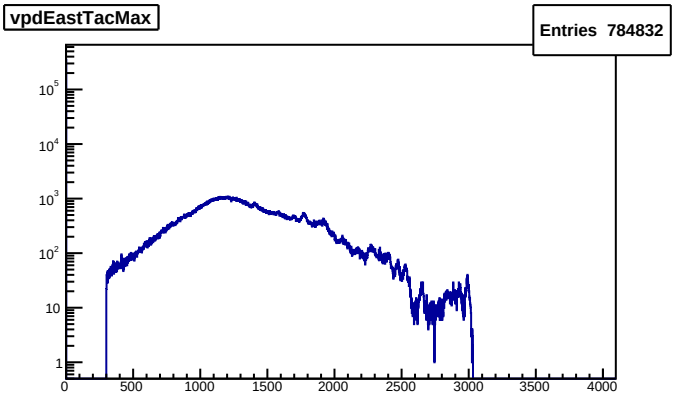
Data
Simu

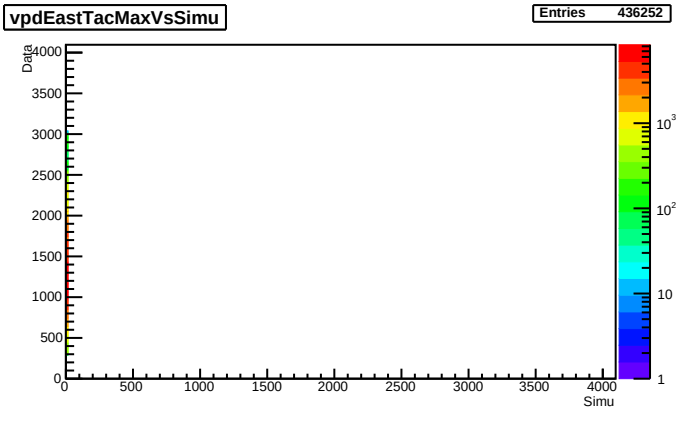

epdWestNHits
Entries 784832


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 784832


vpdEastAdcSumVsSimu
Entries 436252
Data
Simu


vpdEastTacMax
Entries 784832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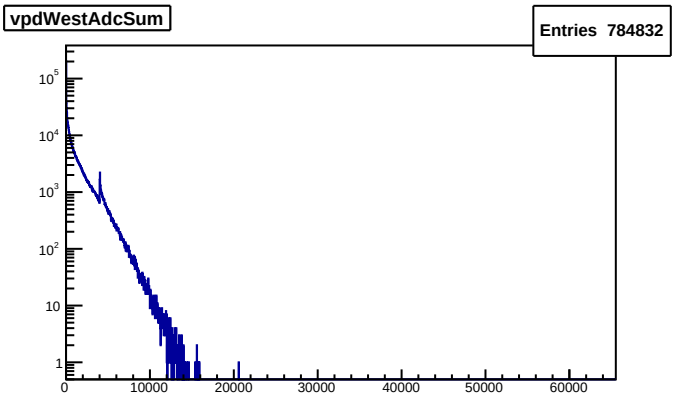
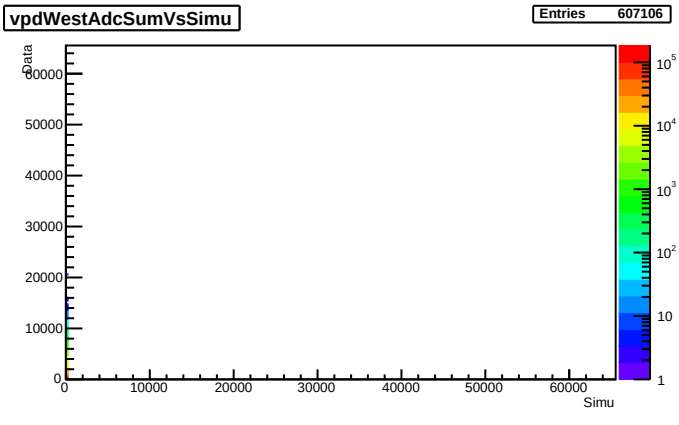
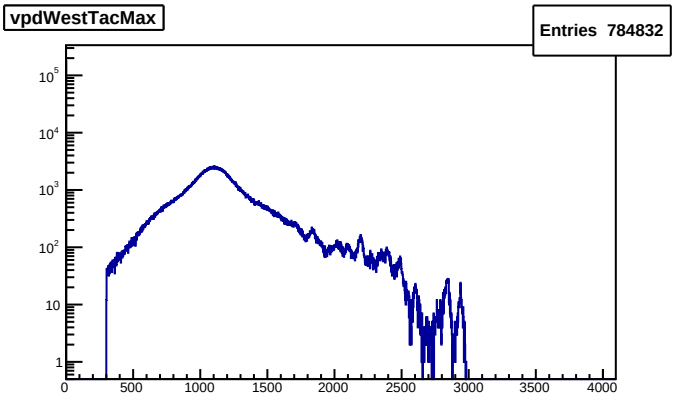
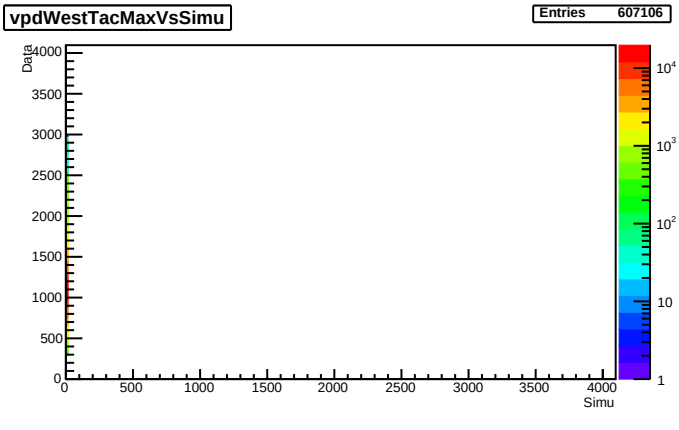
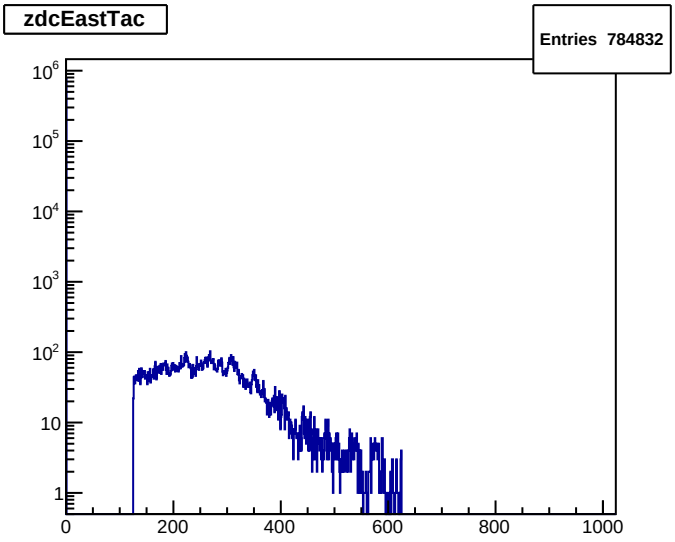
Entries 436252
Data
Simu

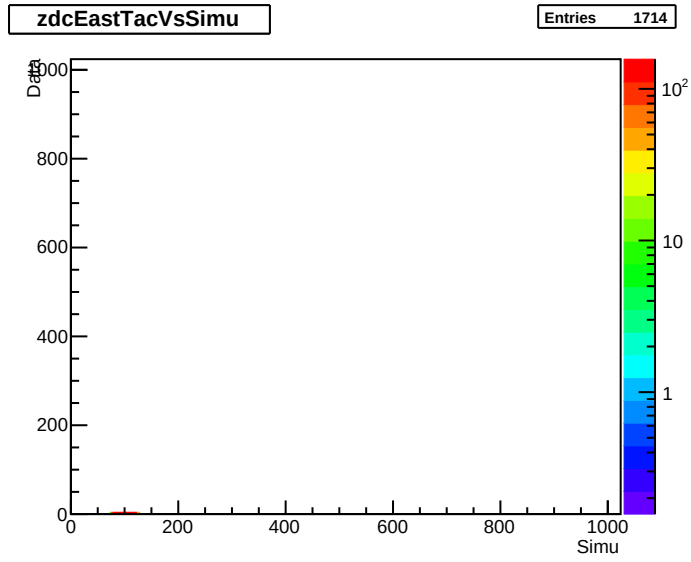

vpdWestAdcSum
Entries 784832

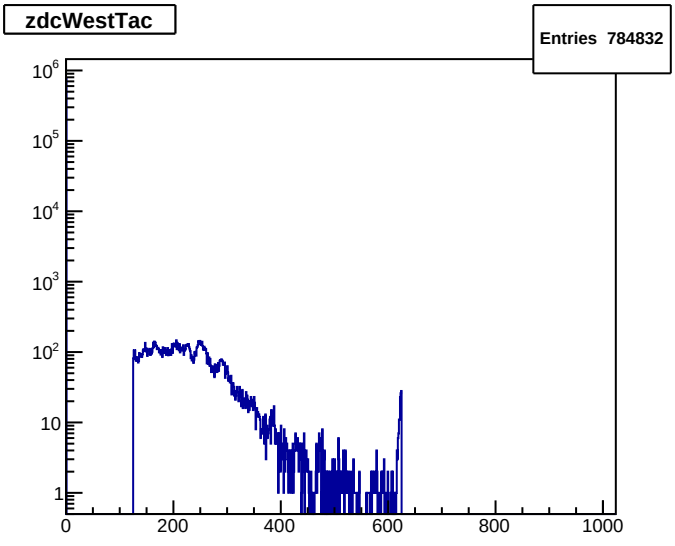

vpdWestAdcSumVsSimu
Entries 607106
Data
Simu

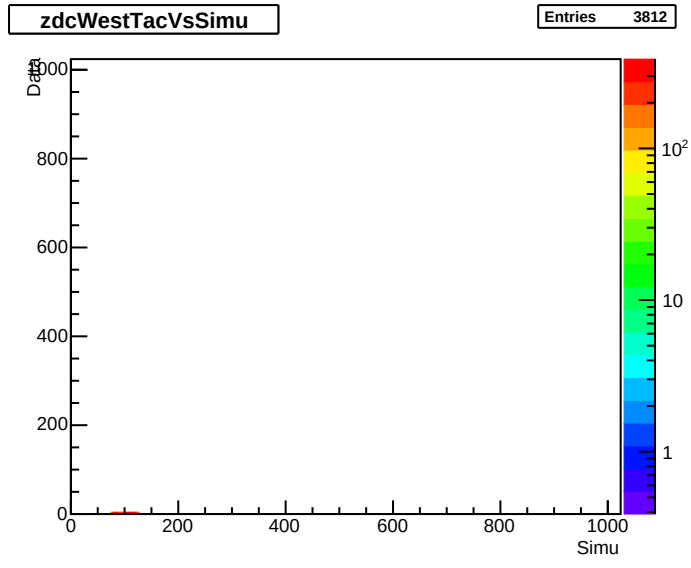

vpdWestTacMax
Entries 784832

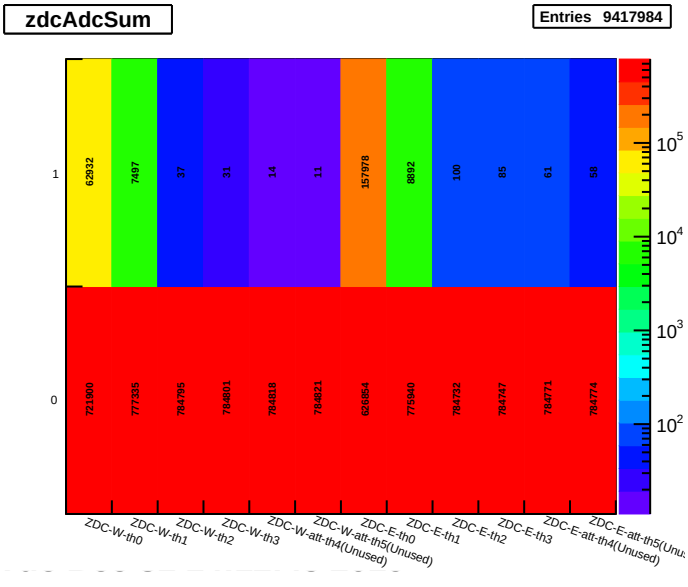

vpdWestTacMaxVsSimu
Entries 607106
Data
Simu

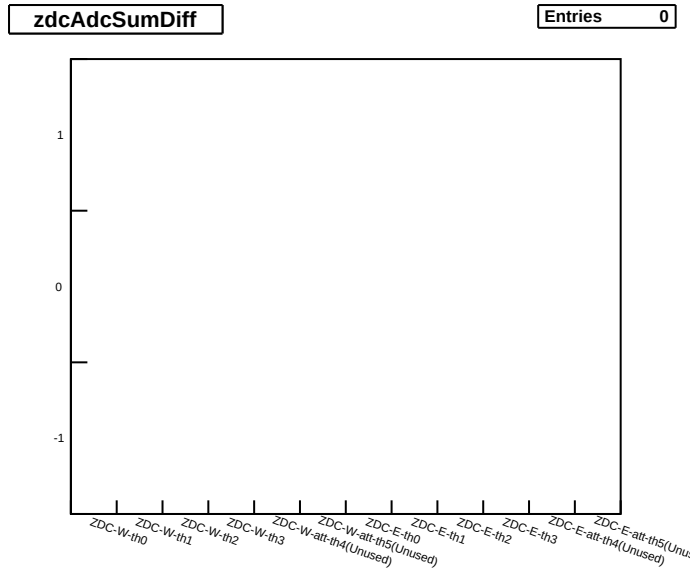

zdcEastTac
Entries 784832

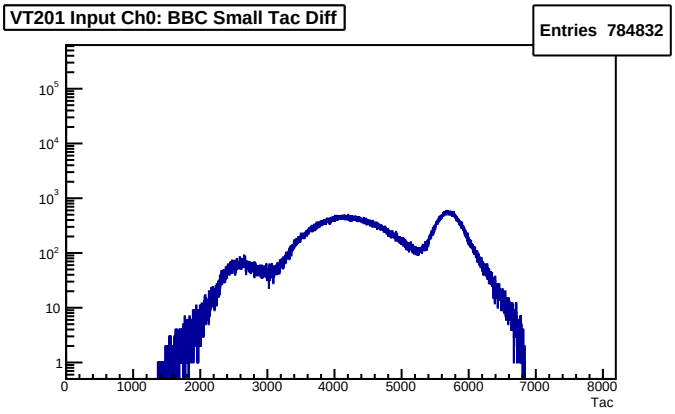

zdcEastTacVsSimu
Entries 1714
Data
Simu

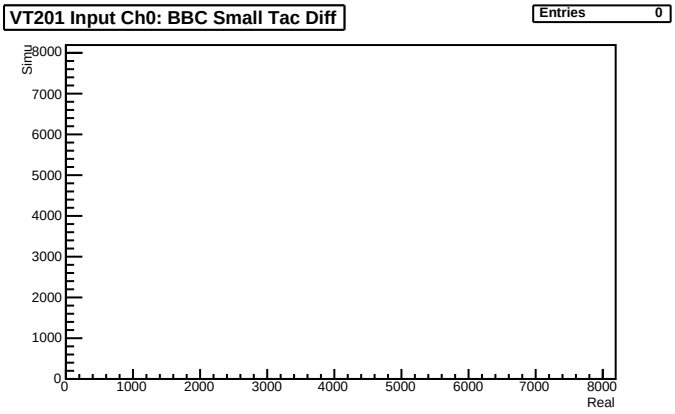

zdcWestTac
Entries 784832

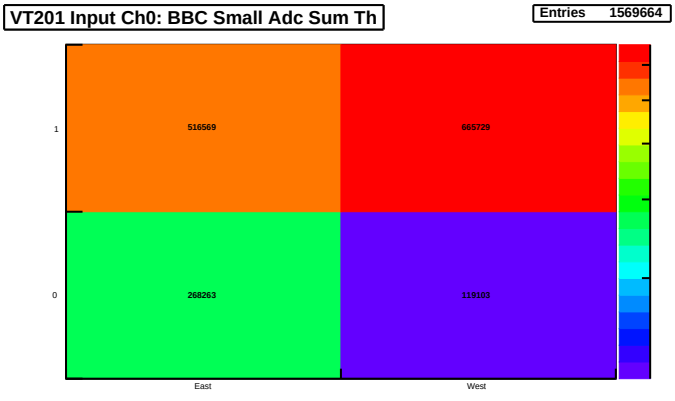

zdcWestTacVsSimu
Entries 3812
Data
Simu

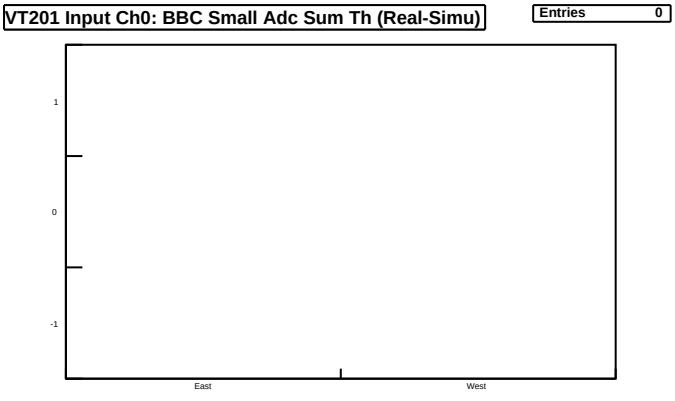

zdcAdcSum
Entries 9417984
62932
7497
37
31
14
11
157978
8892
100
85
61
58
721900
777335
784795
784801
784818
784821
626854
775940
784732
784747
784771
784774
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

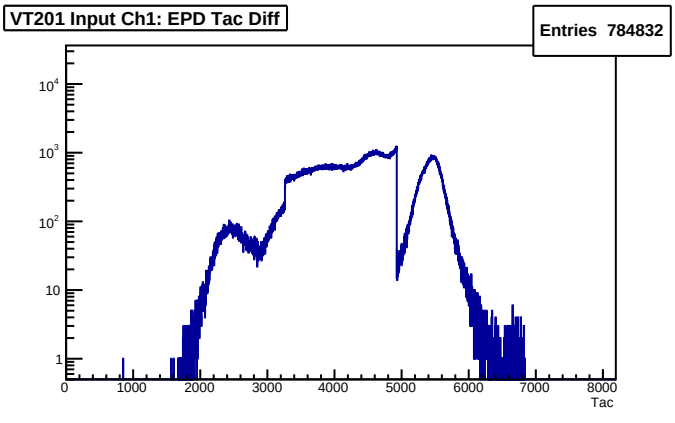

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

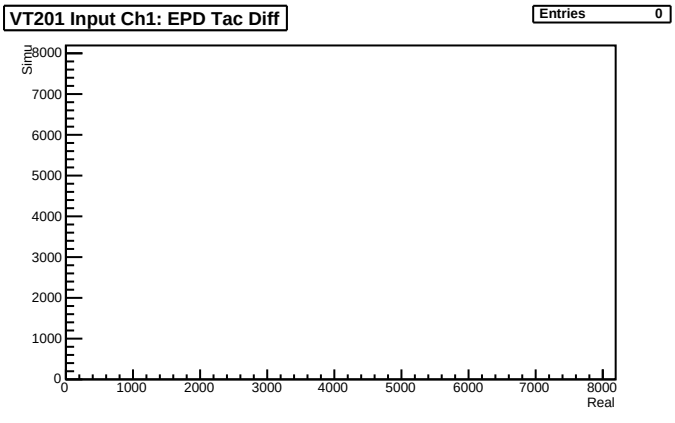

VT201 Input Ch0: BBC Small Tac Diff
Entries 784832
Tac

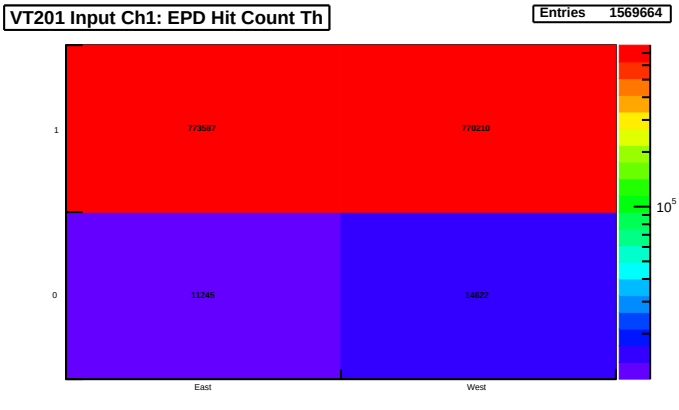

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

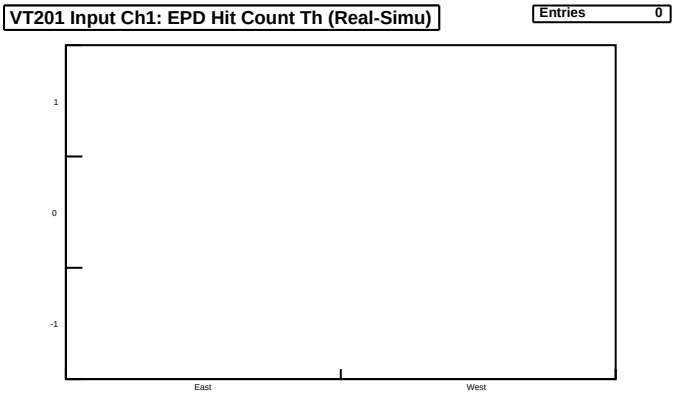

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1569664
516569
665729
268263
119103
East
West

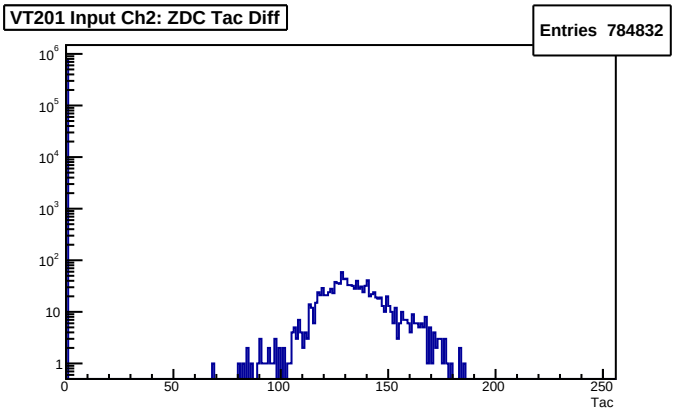

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

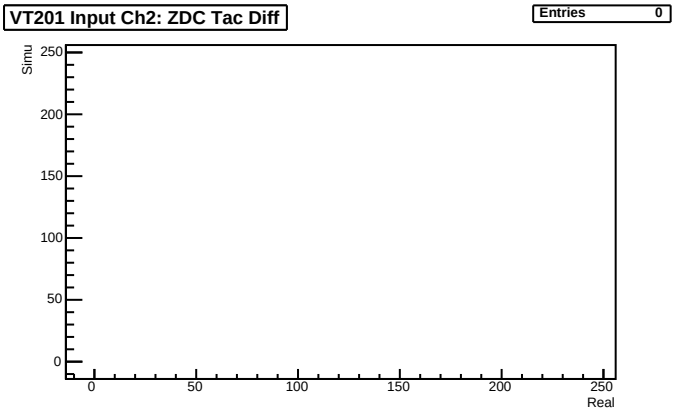

VT201 Input Ch1: EPD Tac Diff
Entries 784832
Tac

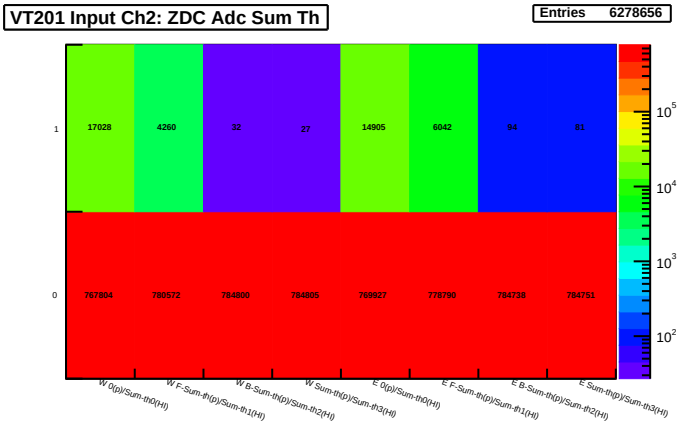

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

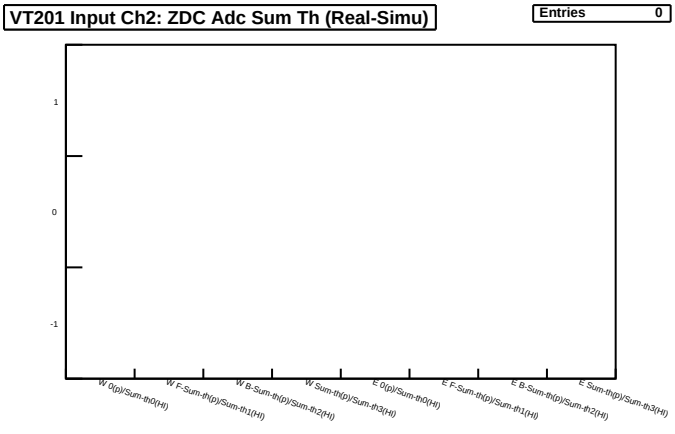

VT201 Input Ch1: EPD Hit Count Th
Entries 1569664
773587
770210
11245
14622
East
West

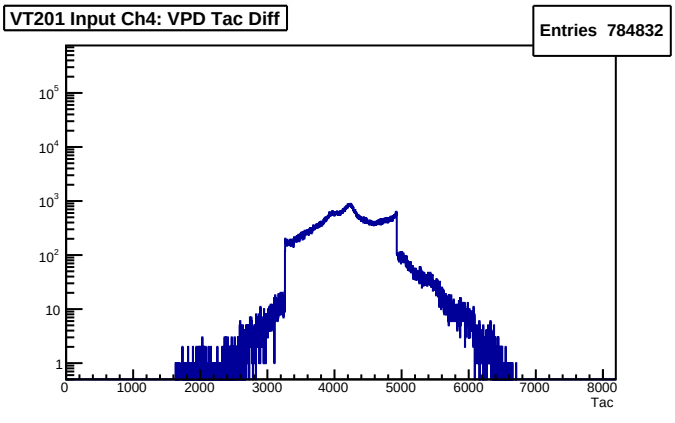

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

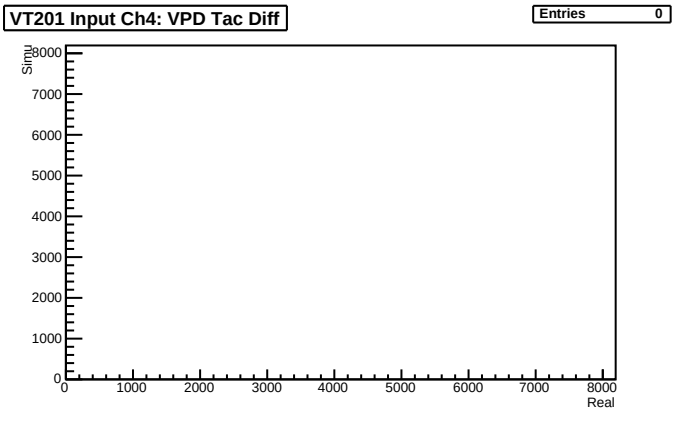

VT201 Input Ch2: ZDC Tac Diff
Entries 784832
Tac

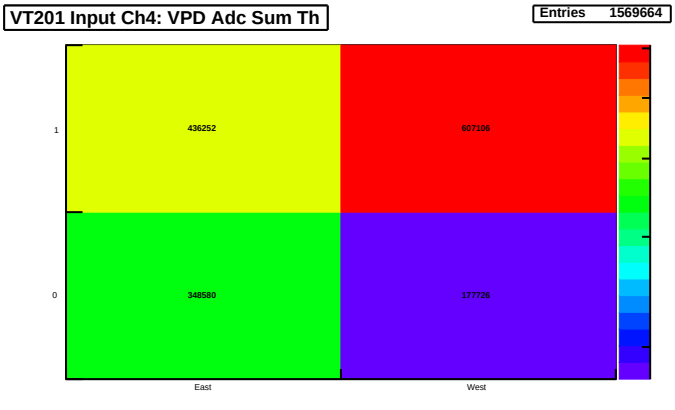

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

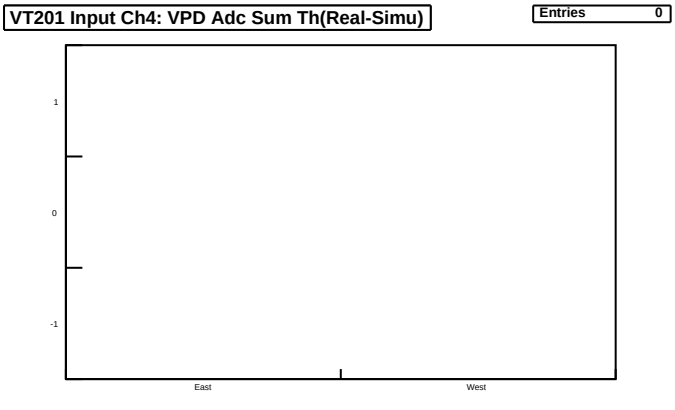

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6278656
17028
4260
32
27
14905
6042
94
81
767804
780572
784800
784805
769927
778790
784738
784751
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

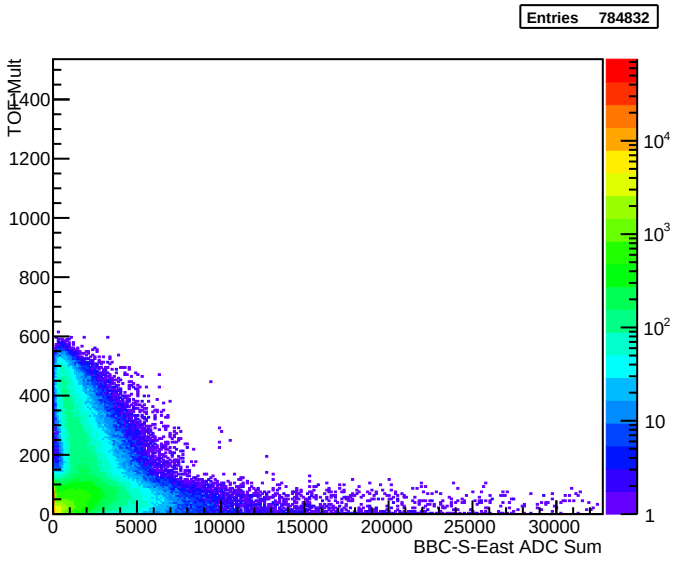

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

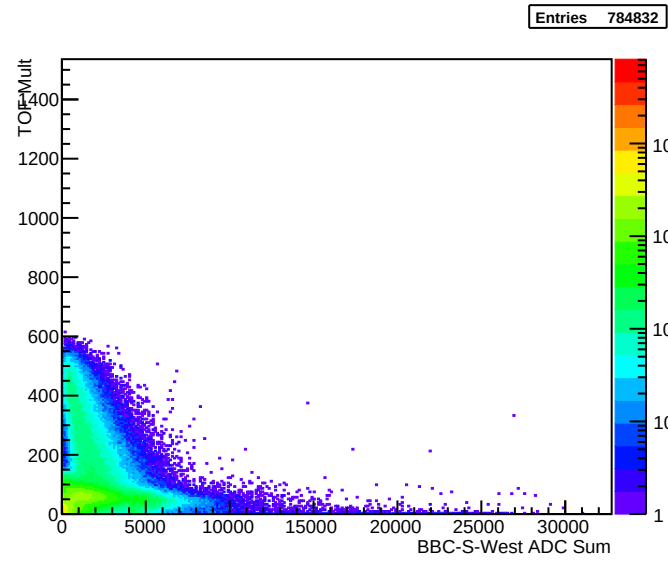

VT201 Input Ch4: VPD Tac Diff
Entries 784832
Tac

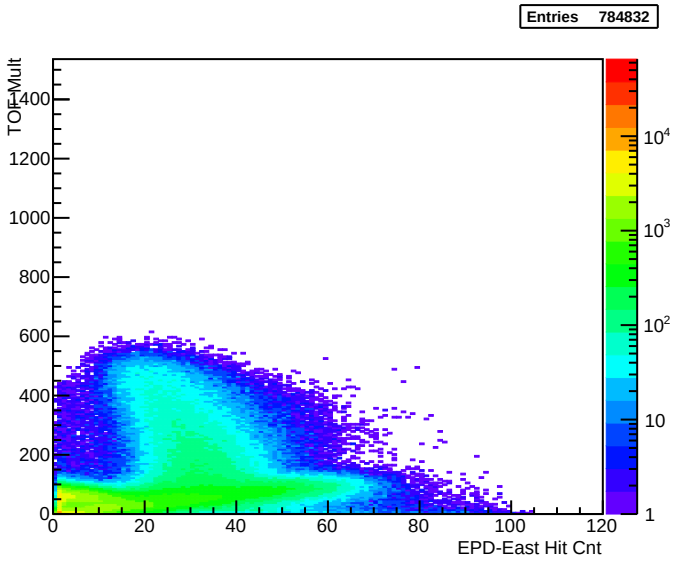

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

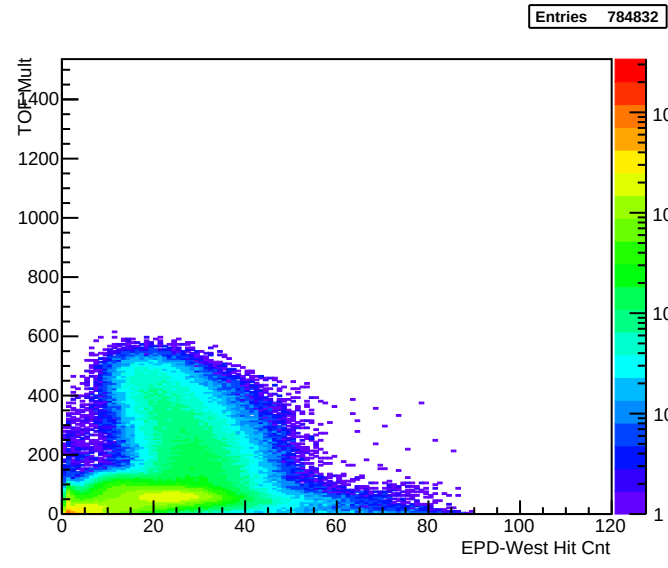

VT201 Input Ch4: VPD Adc Sum Th
Entries 1569664
436252
607106
348580
177726
East
West

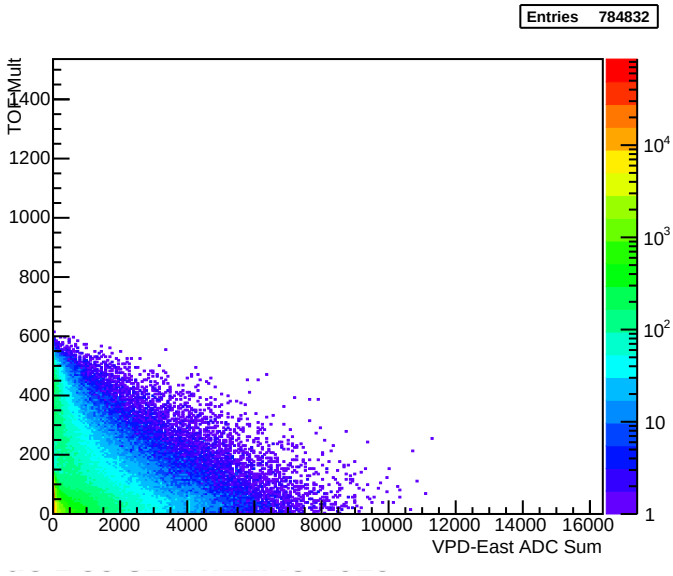

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

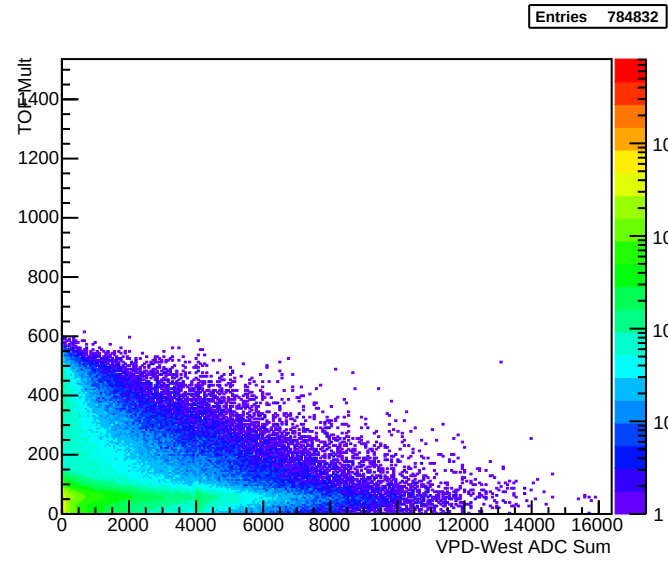

Entries 784832
TOF-Mult
BBC-S-East ADC Sum

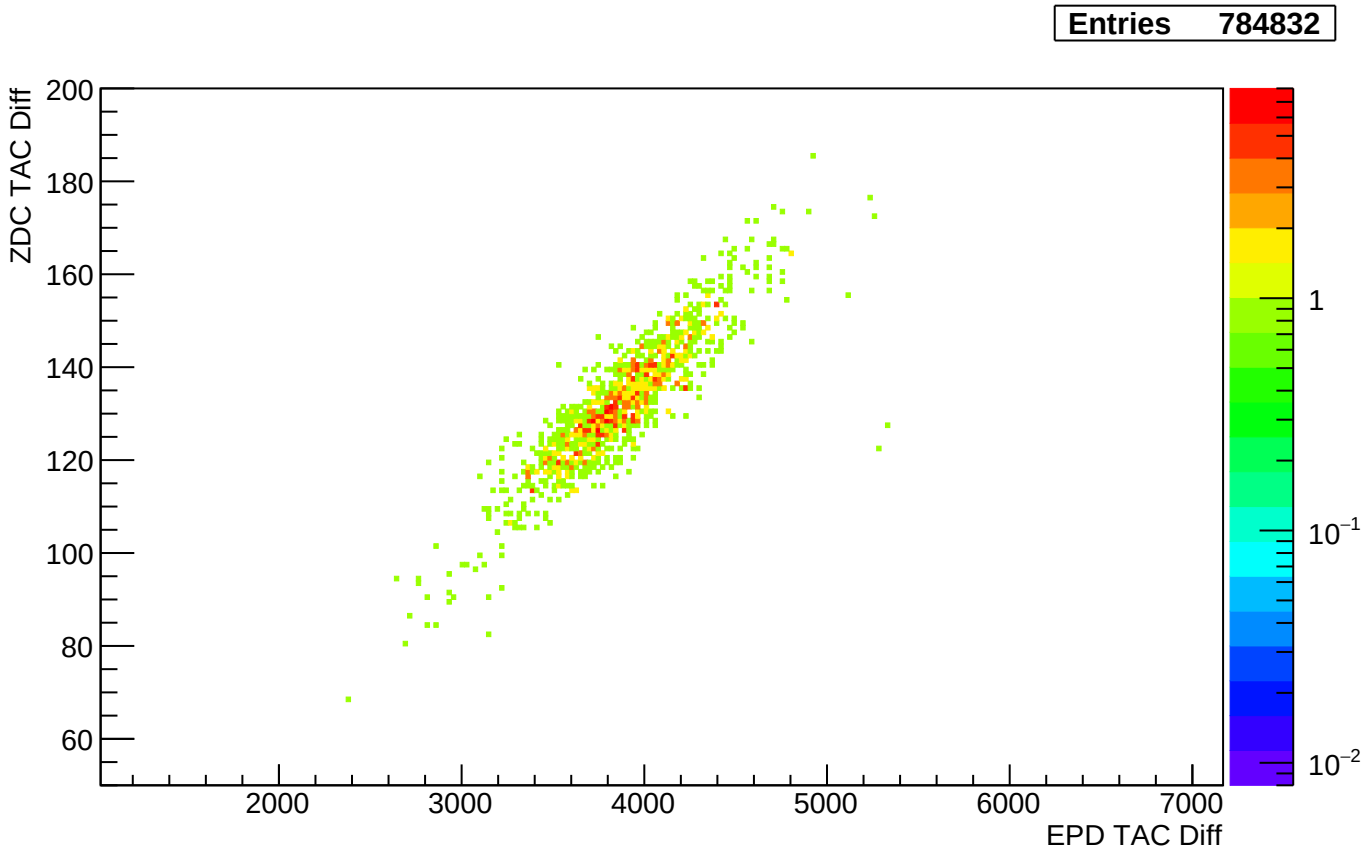

Entries 784832
TOF-Mult
BBC-S-West ADC Sum

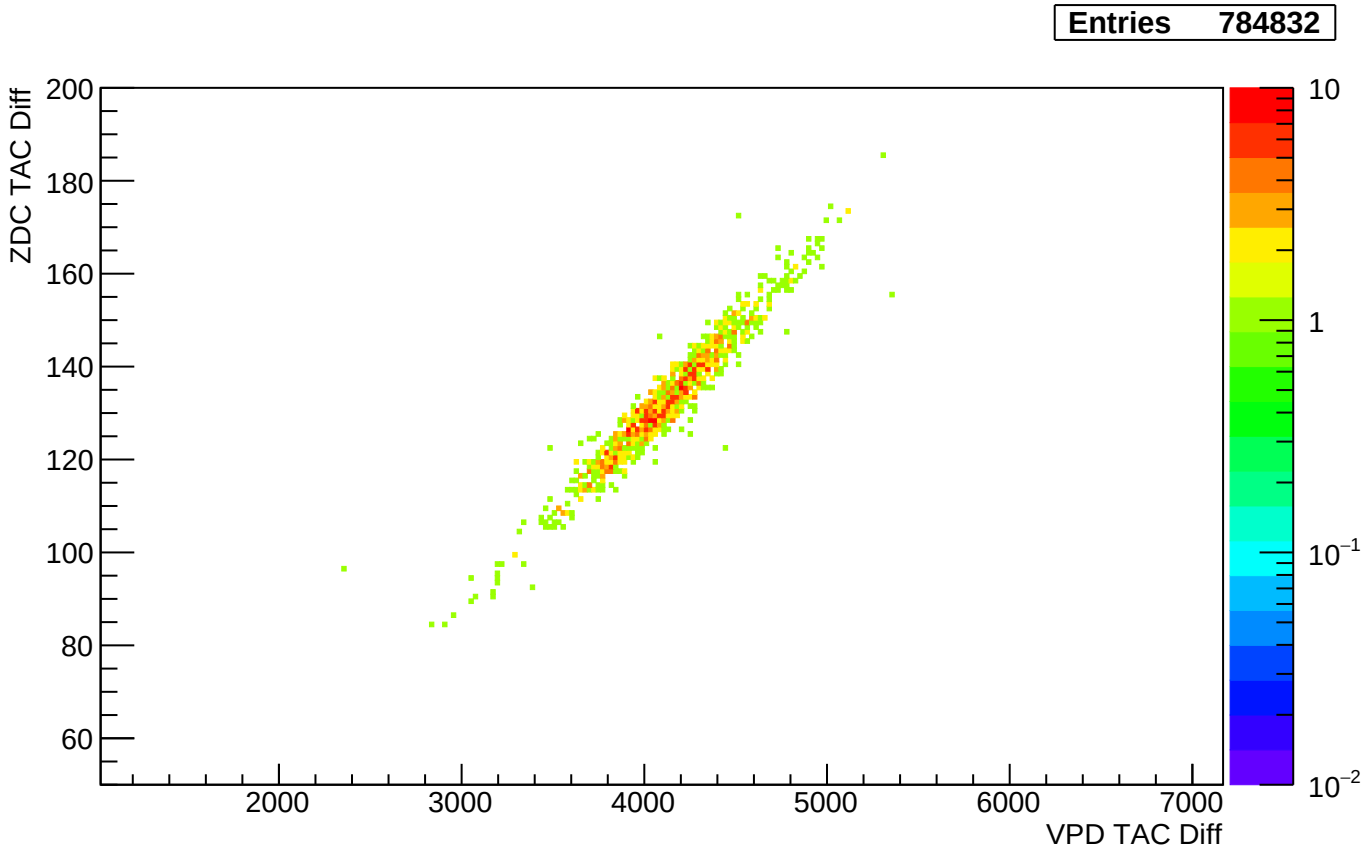

Entries 784832
TOF-Mult
EPD-East Hit Cnt

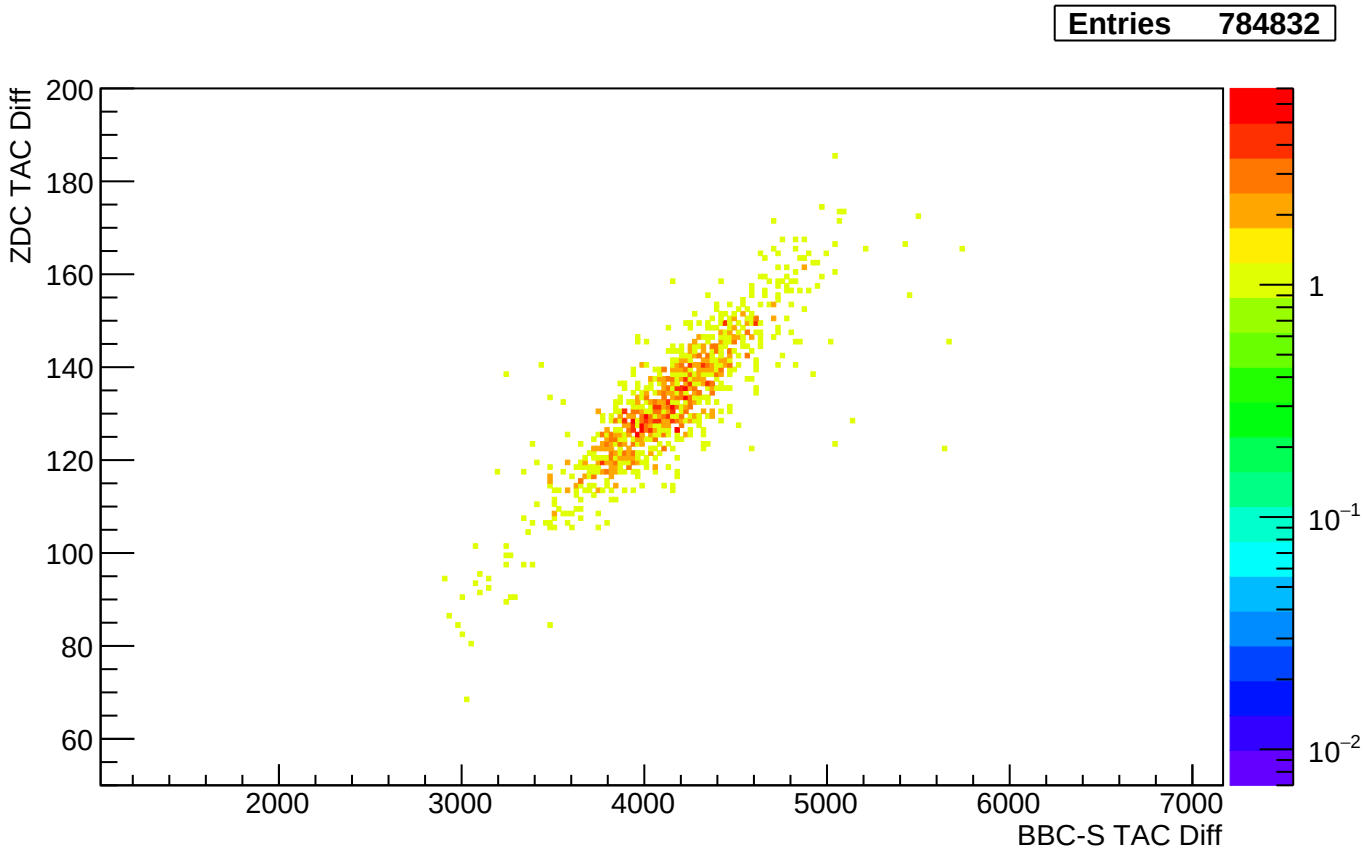

Entries 784832
TOF-Mult
EPD-West Hit Cnt

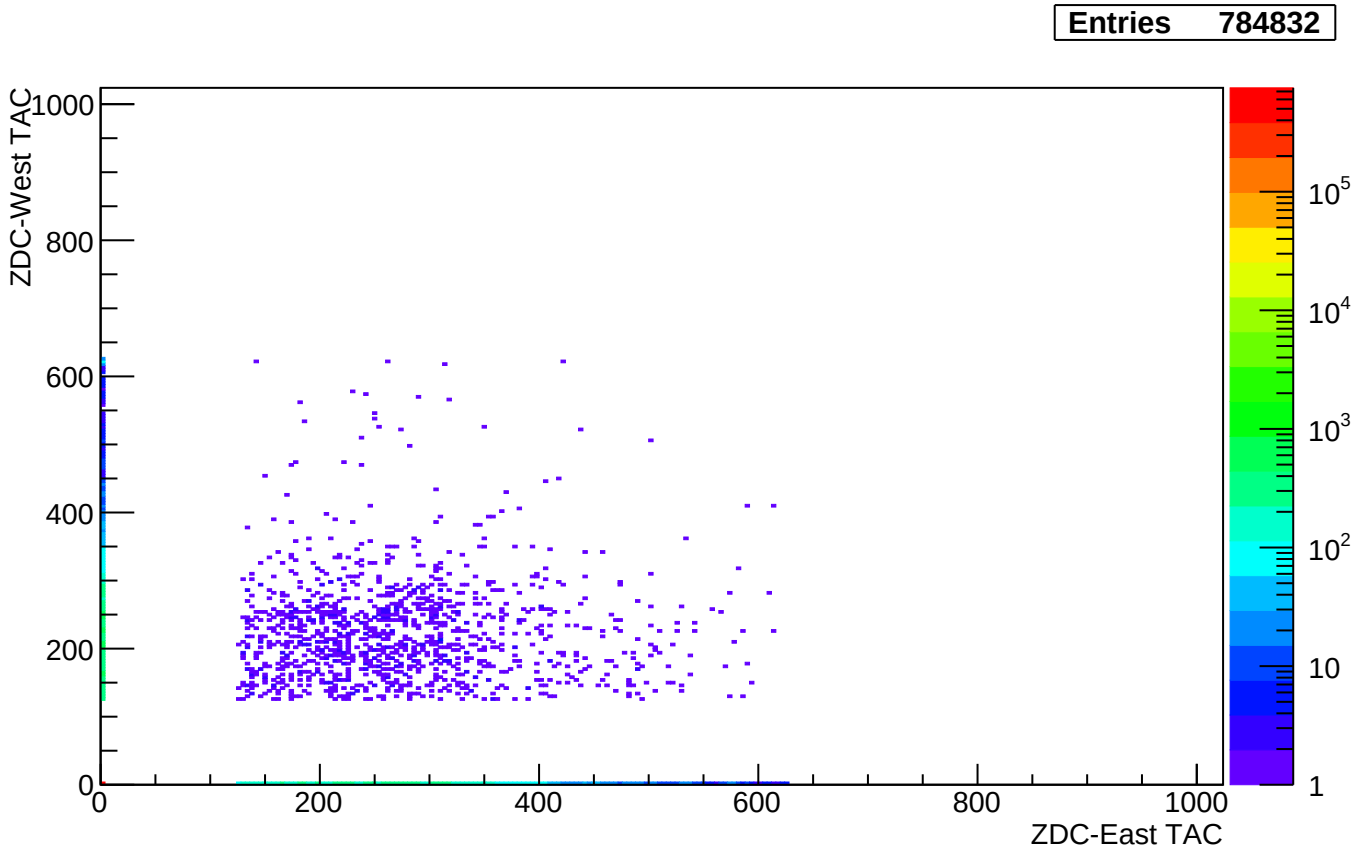

Entries 784832
TOF-Mult
VPD-East ADC Sum

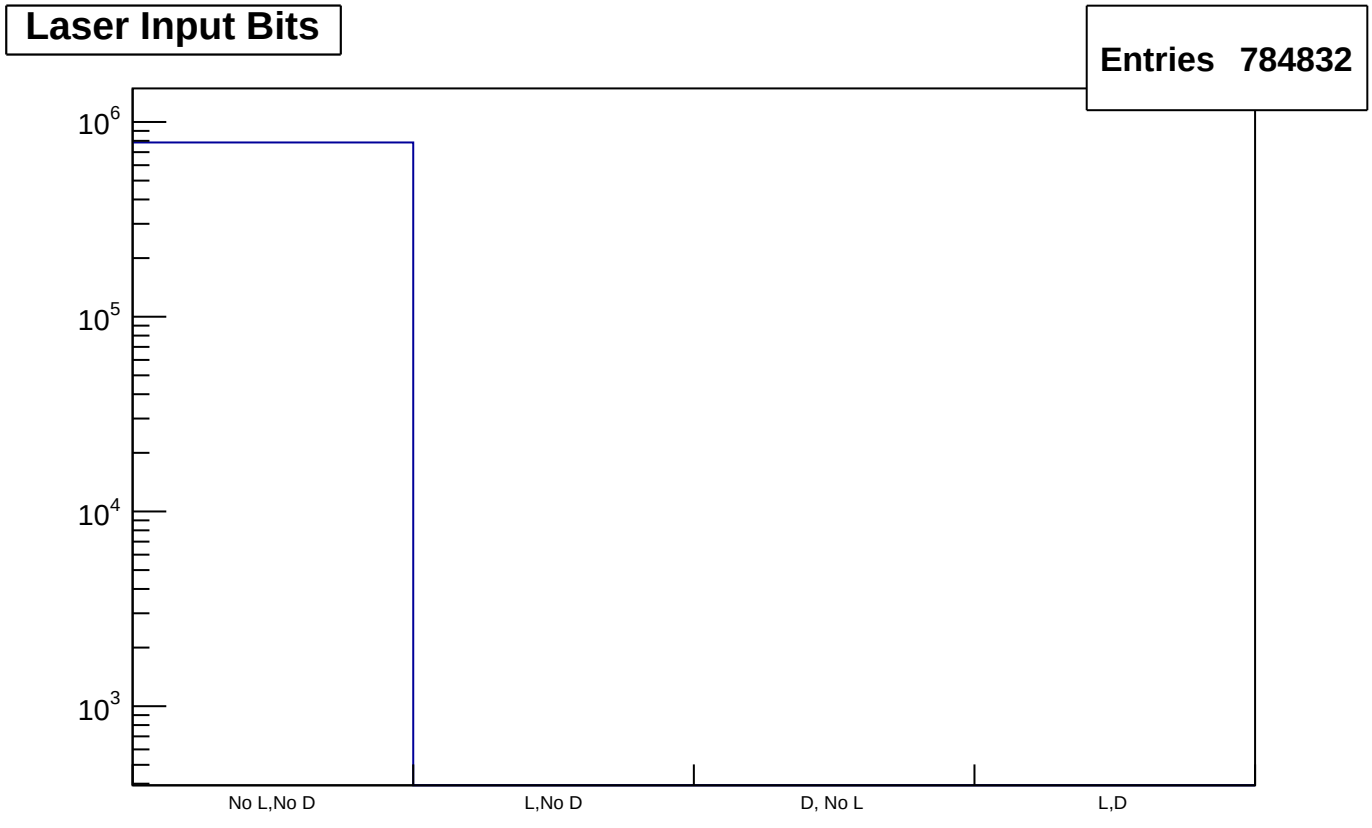

Entries 784832
TOF-Mult
VPD-West ADC Sum

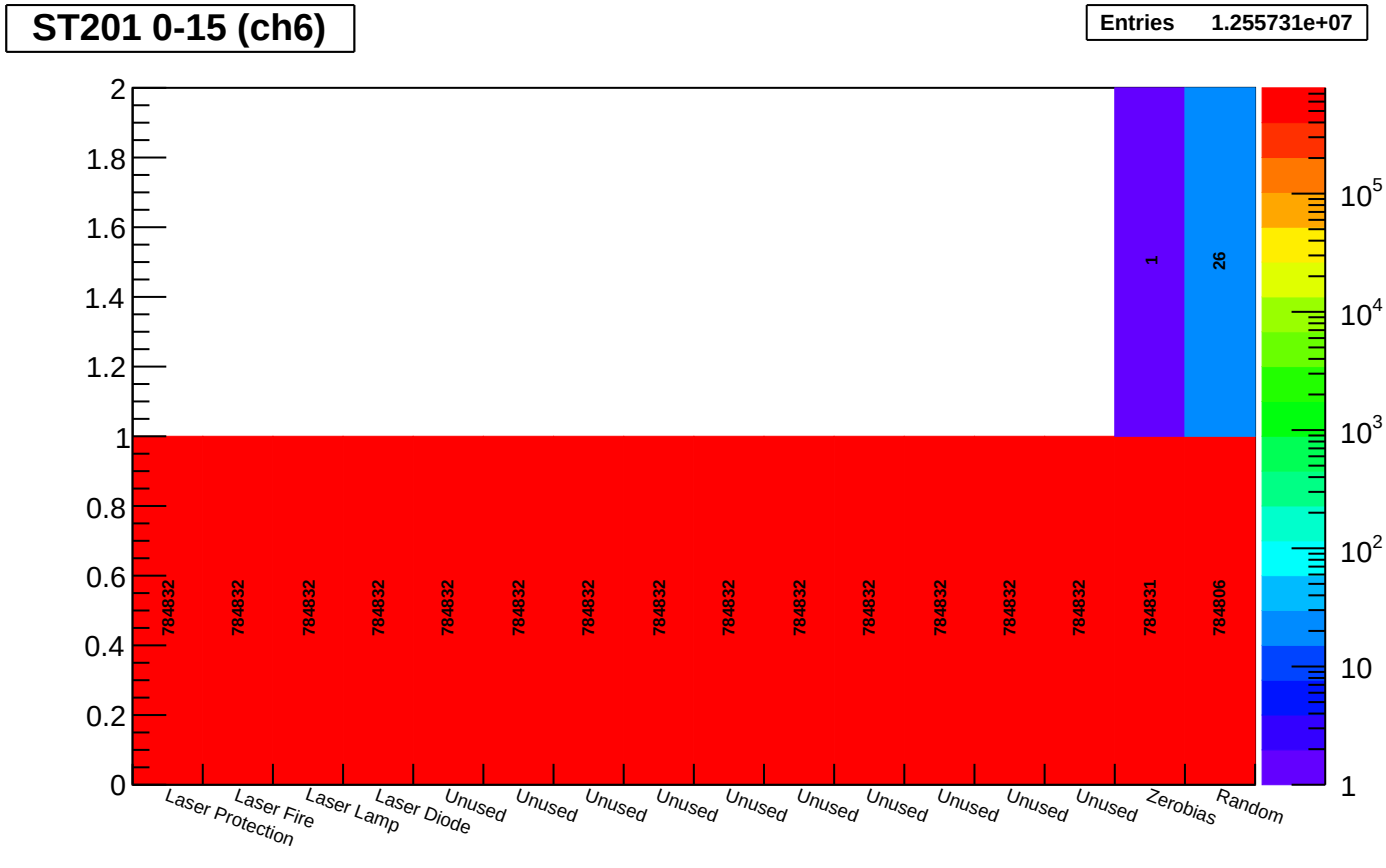

Entries 784832
ZDC TAC Diff
EPD TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

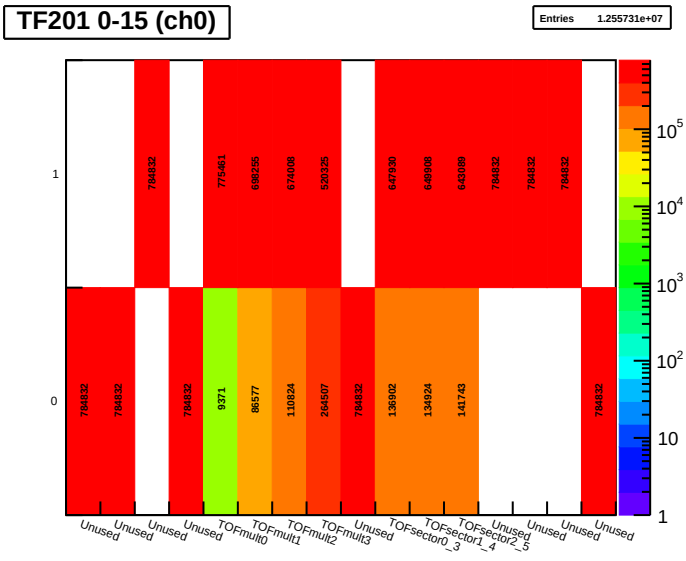

Entries 784832
ZDC TAC Diff
VPD TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
10
1
$10^{-1}$
$10^{-2}$

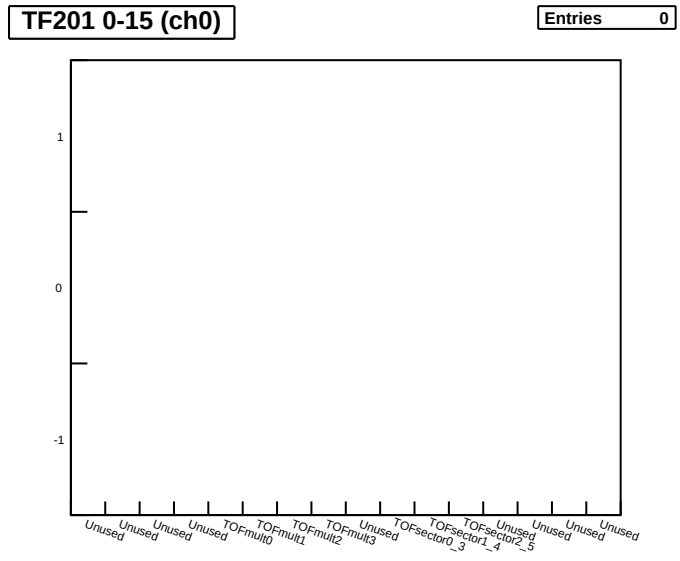

Entries 784832
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

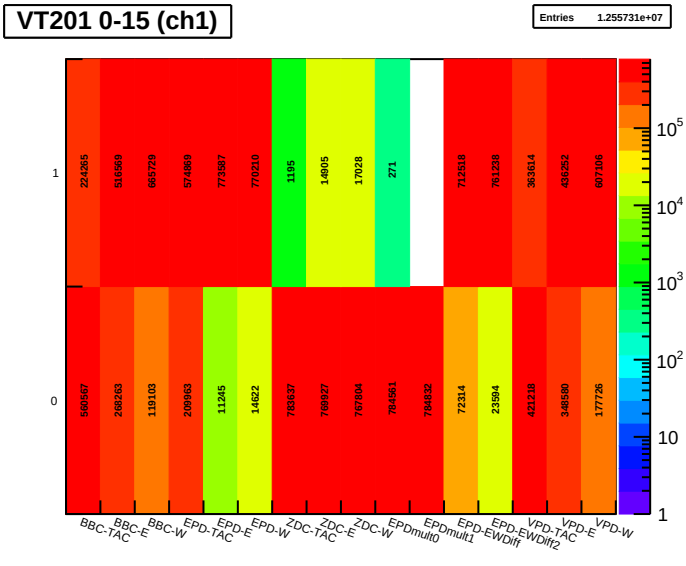

Entries 784832
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
$10^5$
$10^4$
$10^3$
$10^2$
10
1

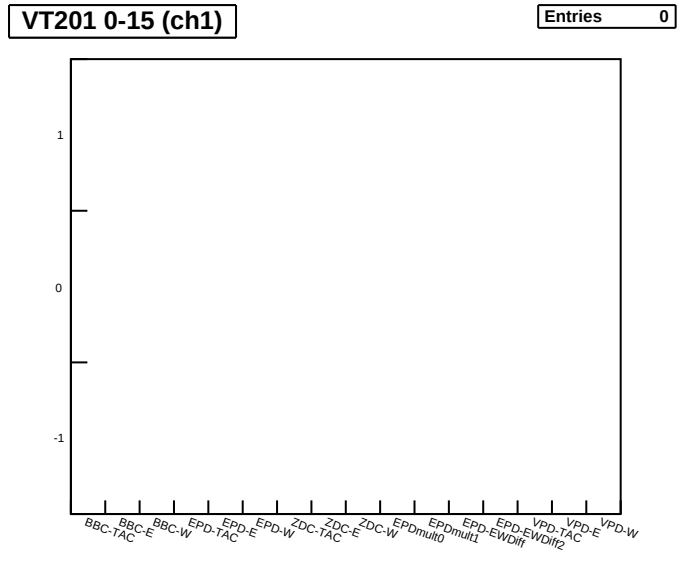

Laser Input Bits
Entries 784832
$10^6$
$10^5$
$10^4$
$10^3$
No L,No D
L,No D
D, No L
L,D

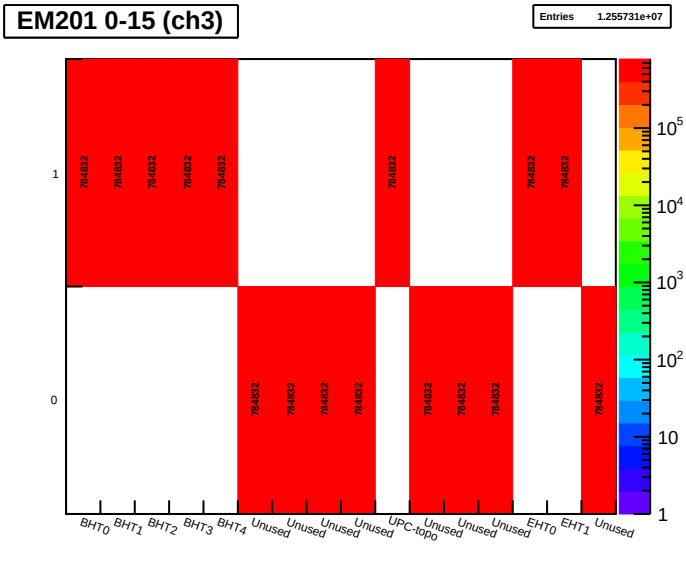

ST201 0-15 (ch6)
Entries 1.255731e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
784832
784832
784832
784832
784832
784832
784832
784832
784832
784832
784832
784832
784832
784832
784831
784806
1
26
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

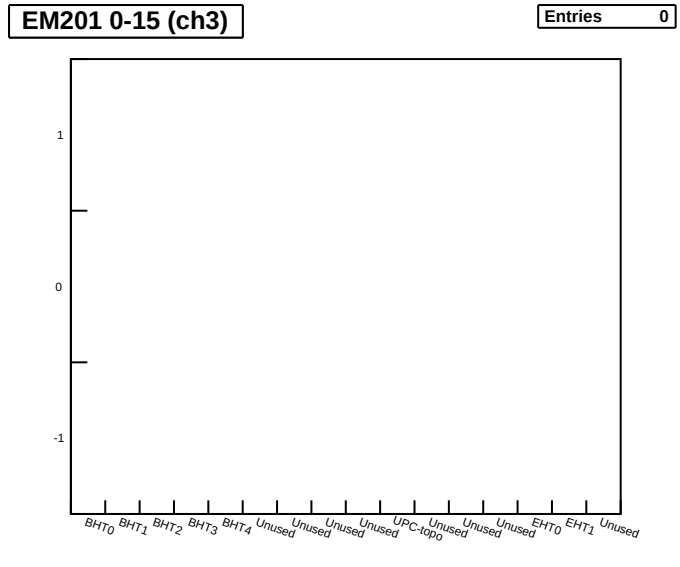

TF201 0-15 (ch0)
Entries 1.255731e+07
1
0
784832 775461 698255 674008 520325 647930 649908 643069 784832 784832 784832
784832 784832 784832 9371 86577 110824 264507 784832 136902 134924 141743 784832
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 1.255731e+07
1
0
224265 516569 665729 574869 773587 770210 1195 14905 17028 271 712518 761238 363614 436252 607106
560567 208263 119103 209963 11245 14622 783637 769927 767804 784561 784832 72314 23594 421218 348580 177726
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 1.255731e+07
1
0
784832 784832 784832 784832 784832 784832 784832 784832
784832 784832 784832 784832 784832 784832 784832 784832
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