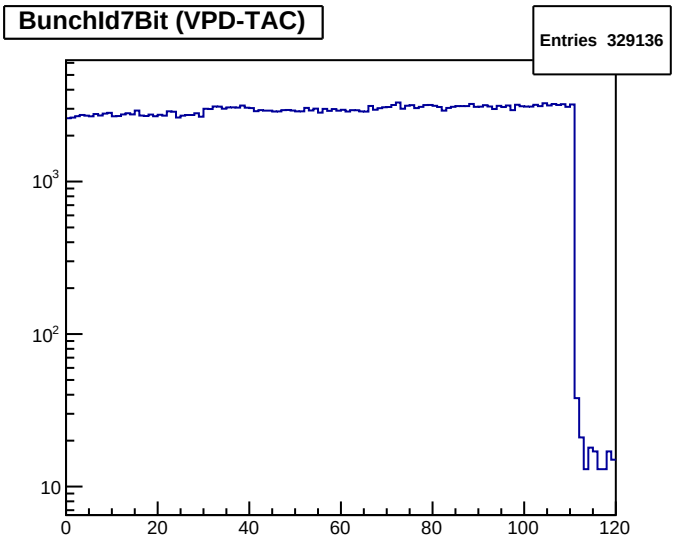
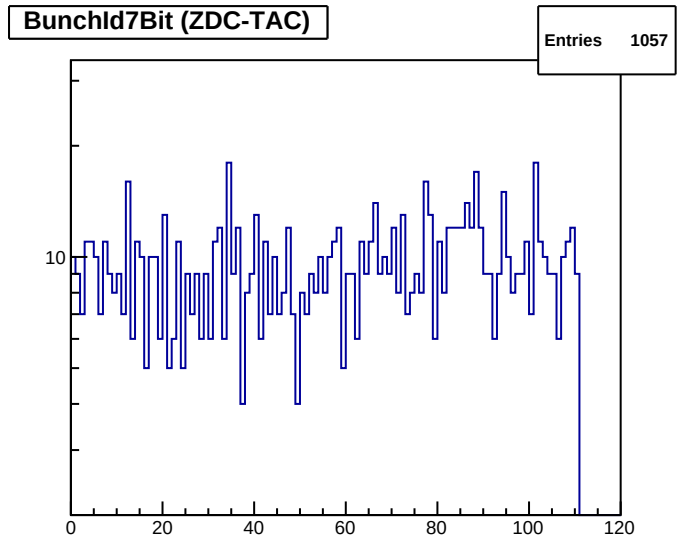
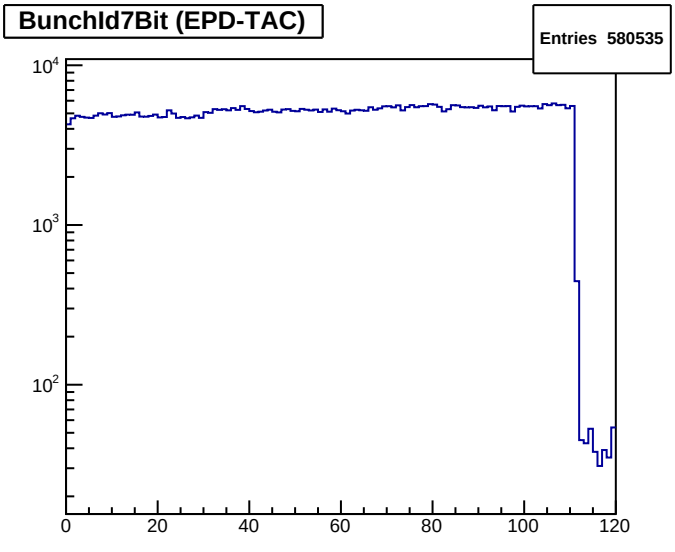
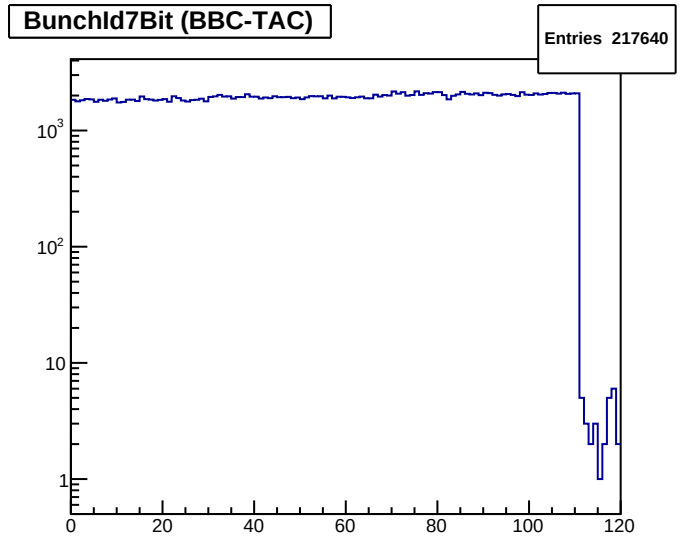
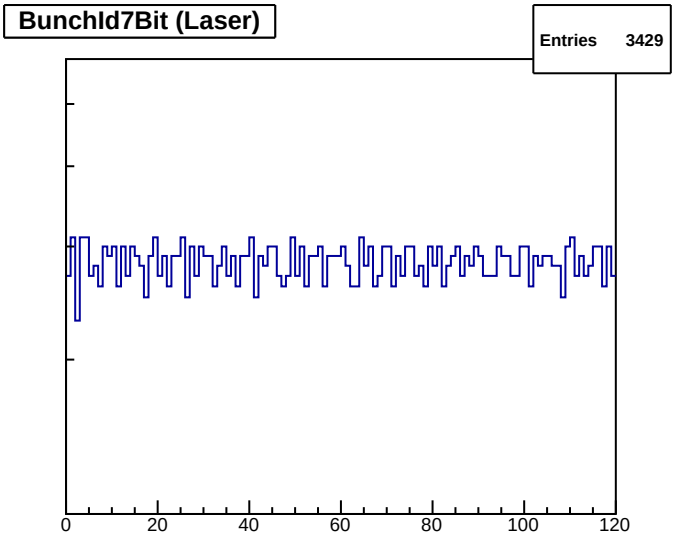
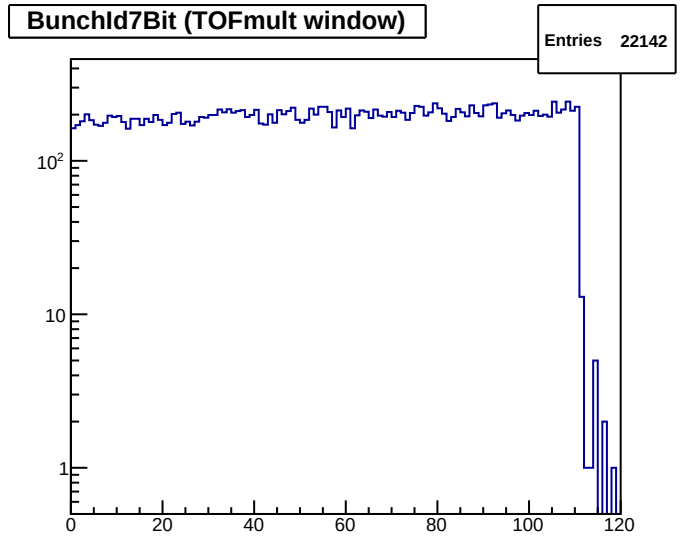

BunchId7Bit (VPD-TAC)
Entries 329136
$10^3$
$10^2$
10
0 20 40 60 80 100 120

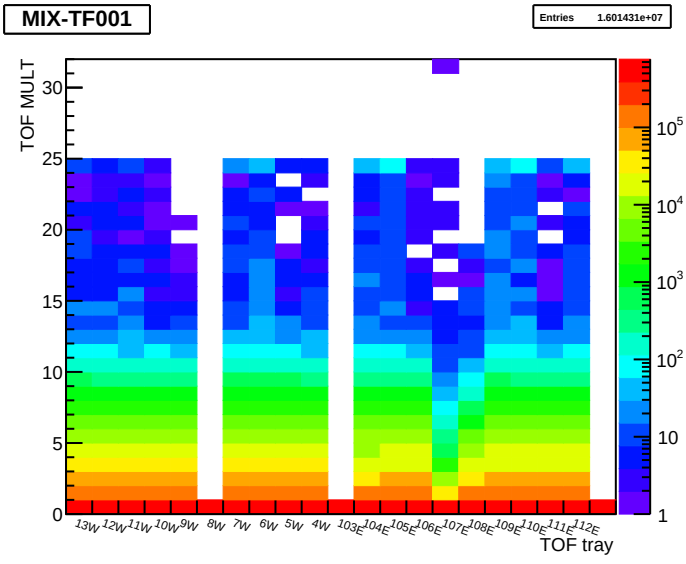

BunchId7Bit (ZDC-TAC)
Entries 1057
10
0 20 40 60 80 100 120

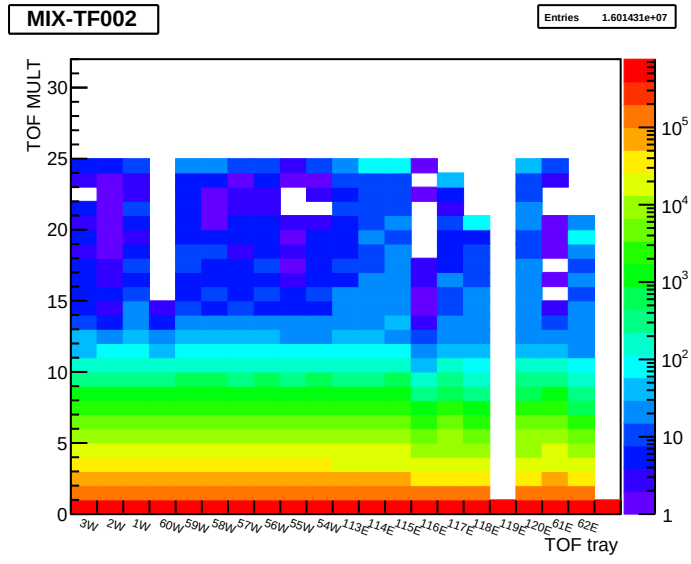

BunchId7Bit (EPD-TAC)
Entries 580535
$10^4$
$10^3$
$10^2$
0 20 40 60 80 100 120

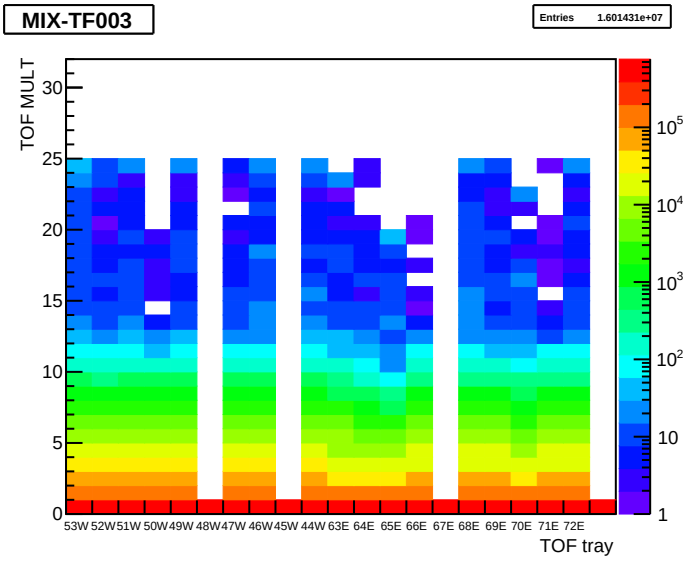

BunchId7Bit (BBC-TAC)
Entries 217640
$10^3$
$10^2$
10
1
0 20 40 60 80 100 120

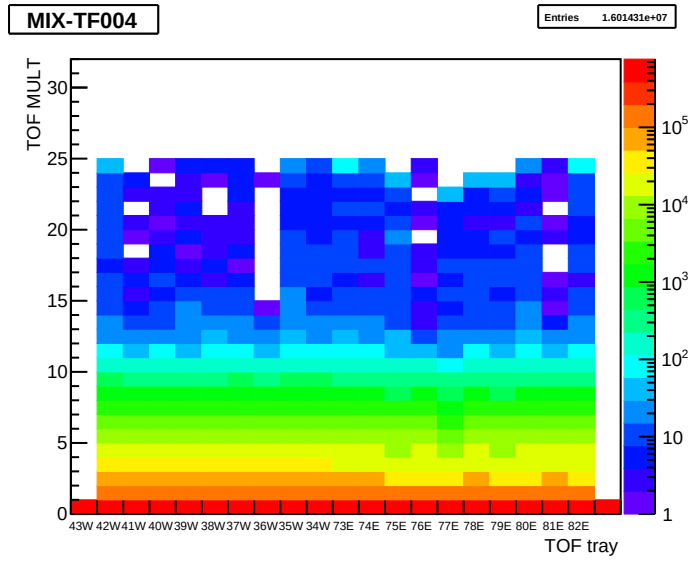

BunchId7Bit (Laser)
Entries 3429
0 20 40 60 80 100 120

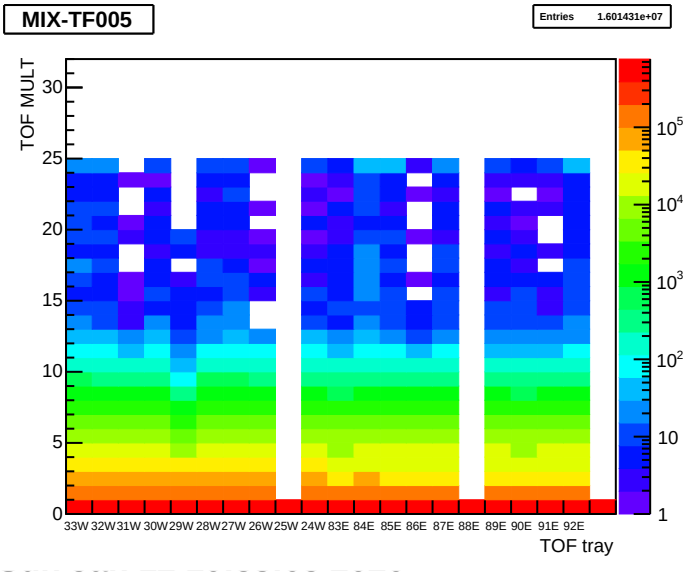

BunchId7Bit (TOFmult window)
Entries 22142
$10^2$
10
1
0 20 40 60 80 100 120

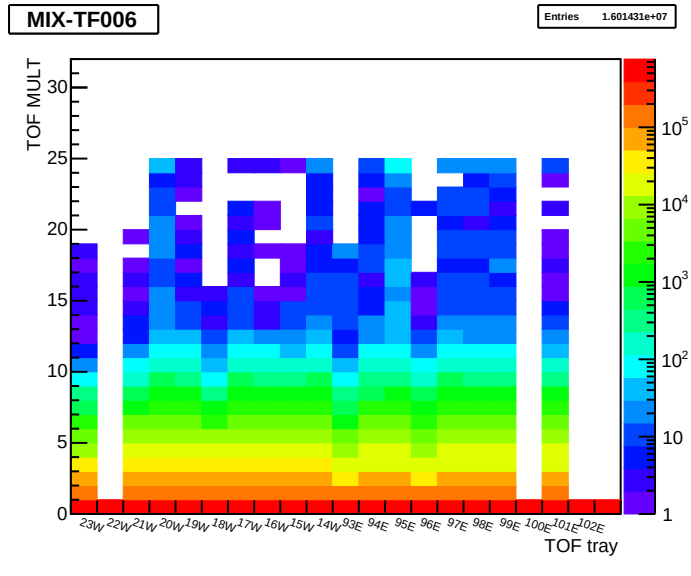

MIX-TF001
Entries 1.601431e+07
TOF MULT
TOF tray

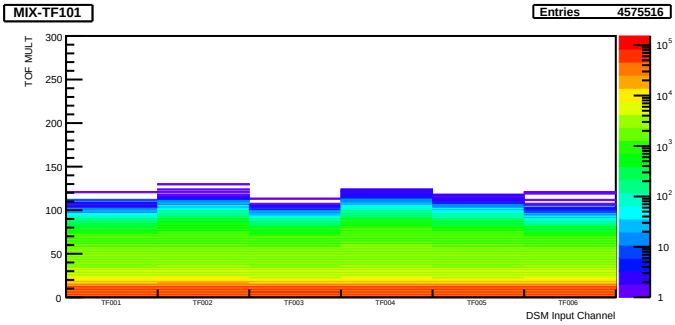

MIX-TF002
Entries 1.601431e+07
TOF MULT
TOF tray

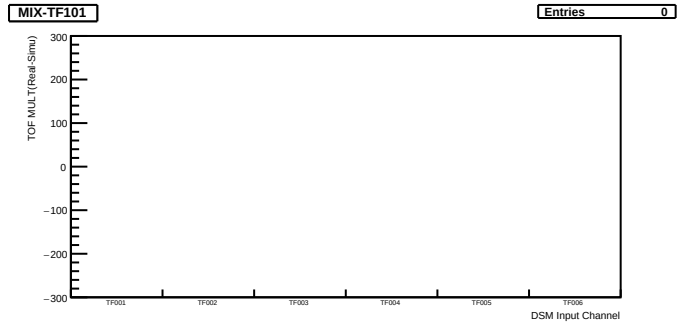

MIX-TF003
Entries 1.601431e+07
TOF MULT
TOF tray

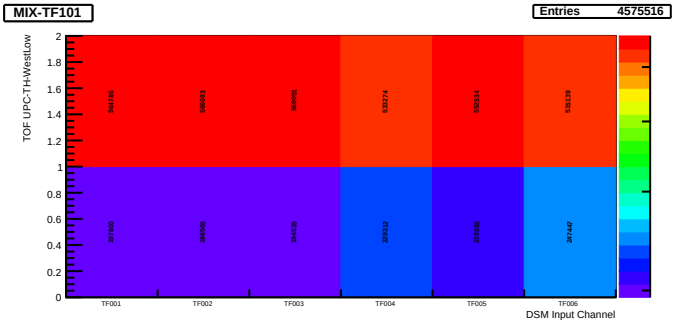

MIX-TF004
Entries 1.601431e+07
TOF MULT
TOF tray

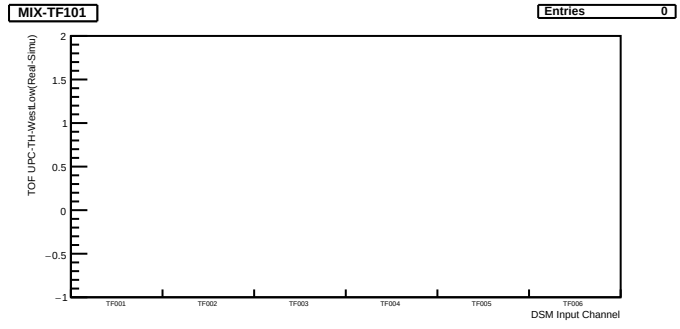

MIX-TF005
Entries 1.601431e+07
TOF MULT
TOF tray

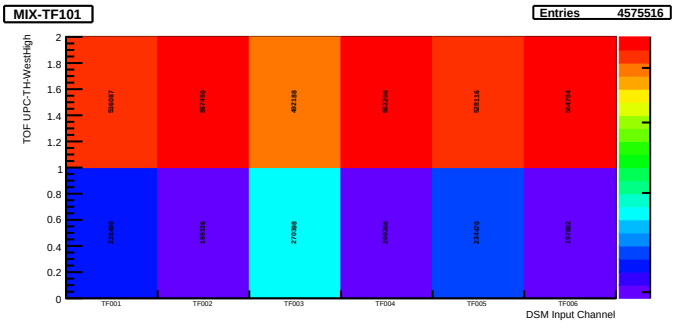

MIX-TF006
Entries 1.601431e+07
TOF MULT
TOF tray

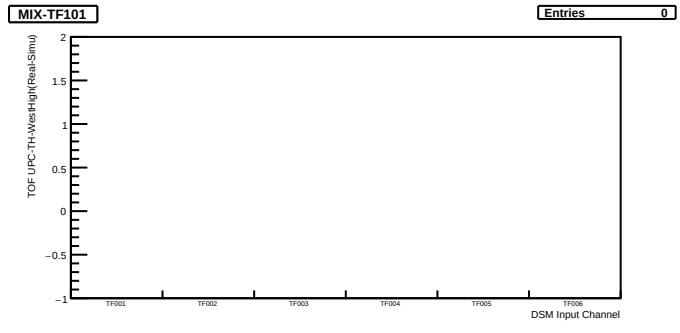

MIX-TF101
Entries 4575516
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

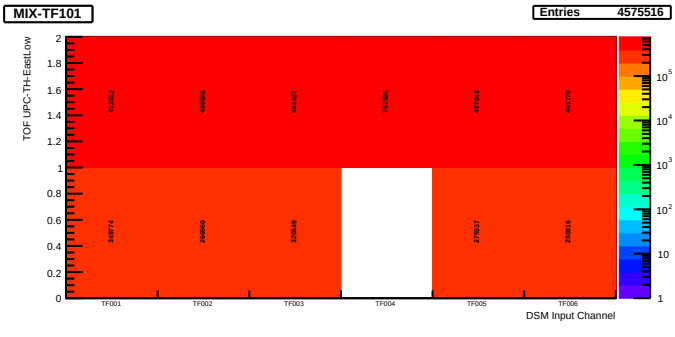

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

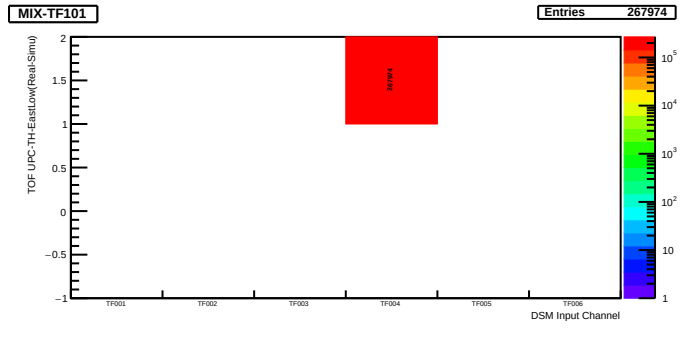

MIX-TF101
Entries 4575516
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

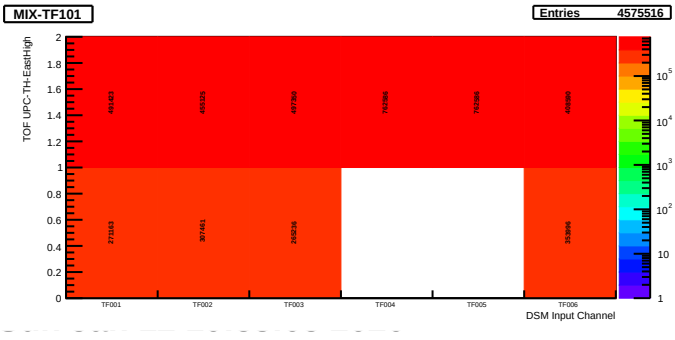

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

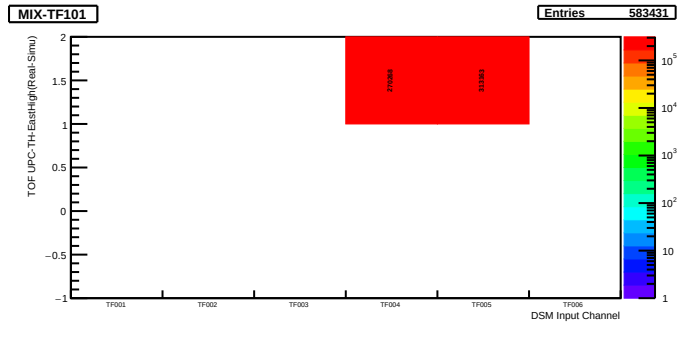

MIX-TF101
Entries 4575516
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

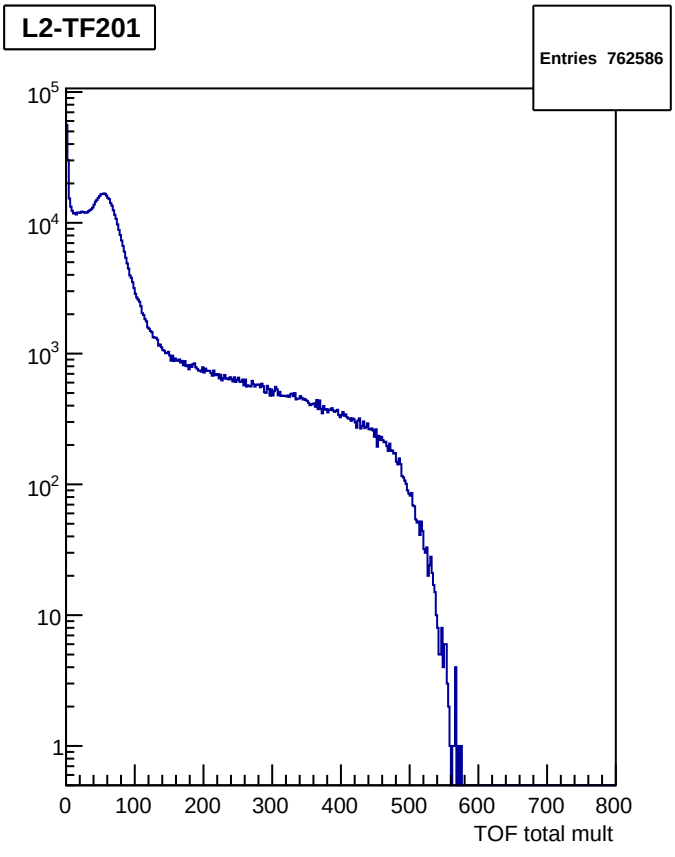

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

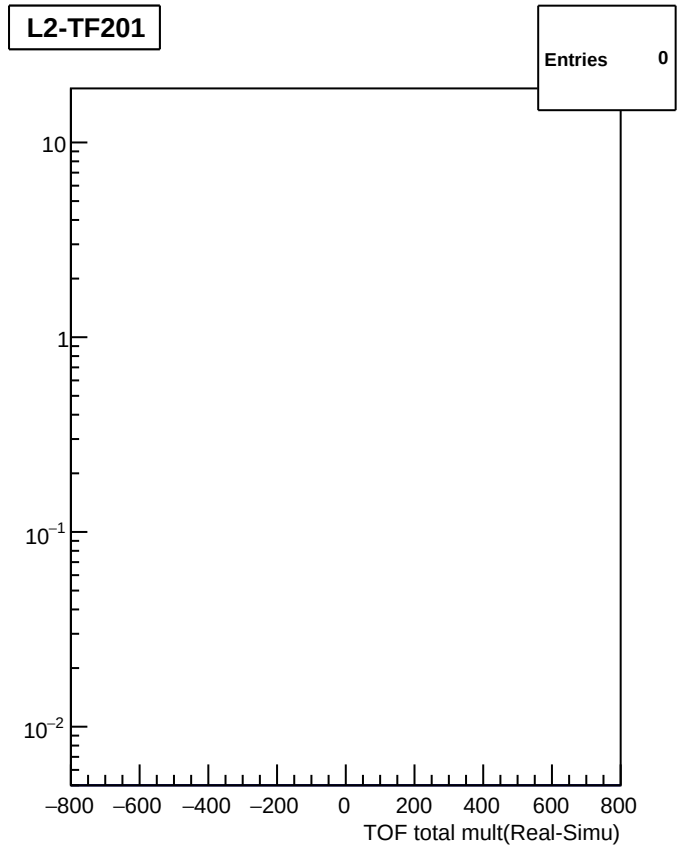

MIX-TF101
Entries 4575516
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

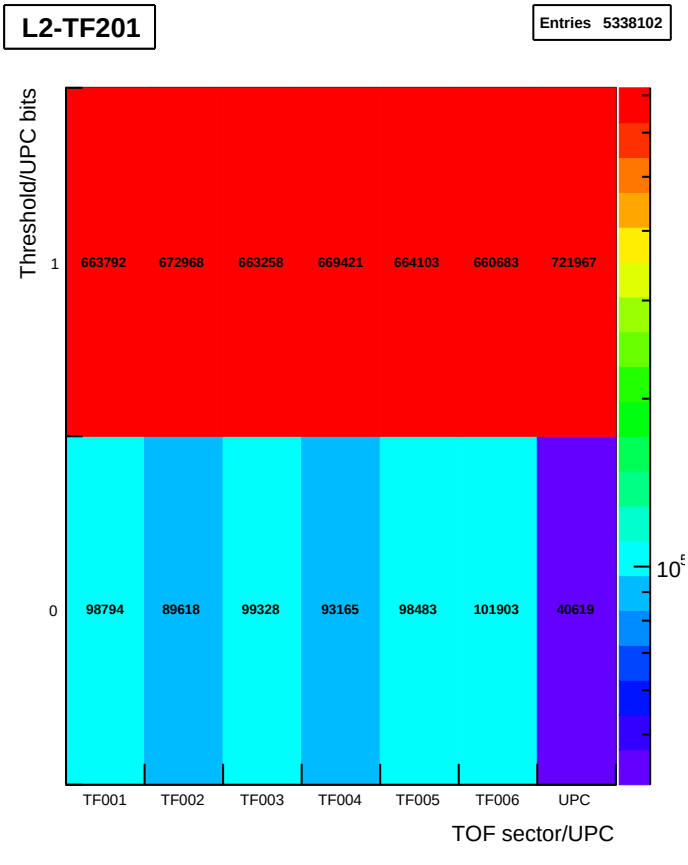

MIX-TF101
Entries 267974
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

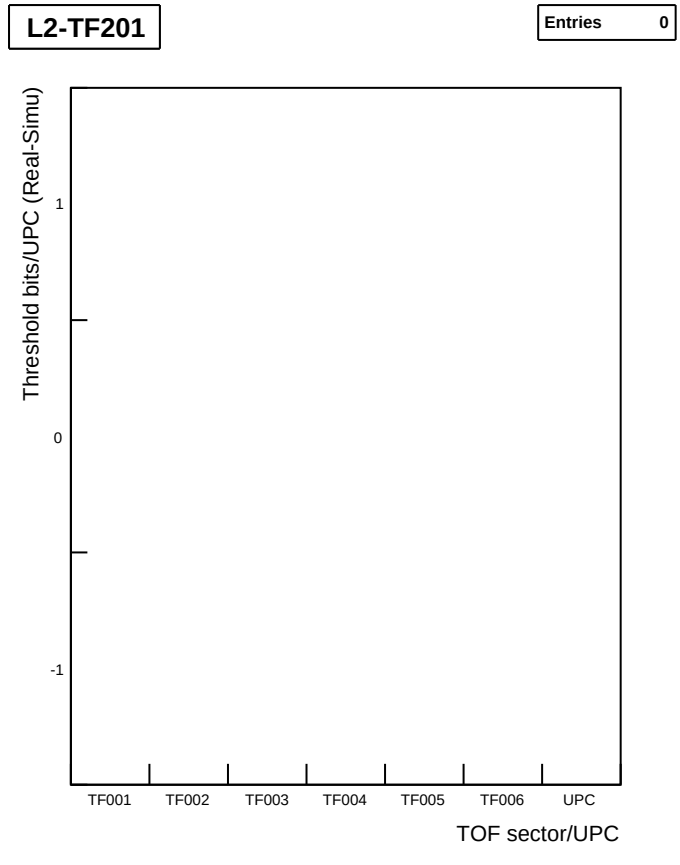

MIX-TF101
Entries 4575516
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

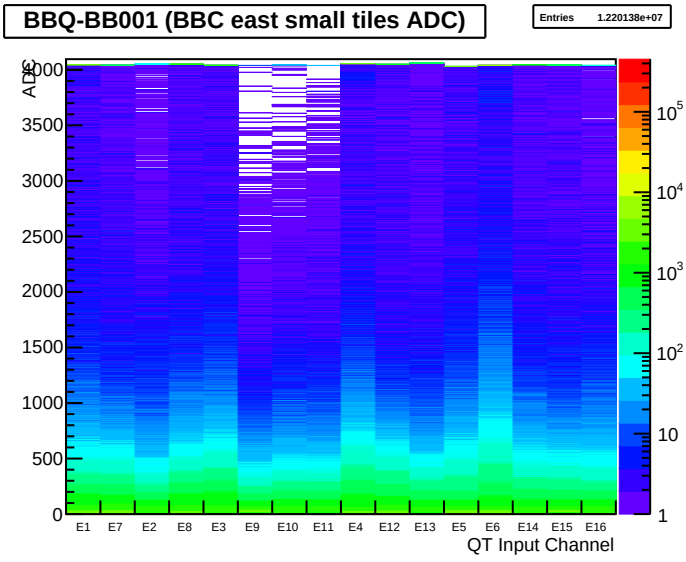

MIX-TF101
Entries 583431
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

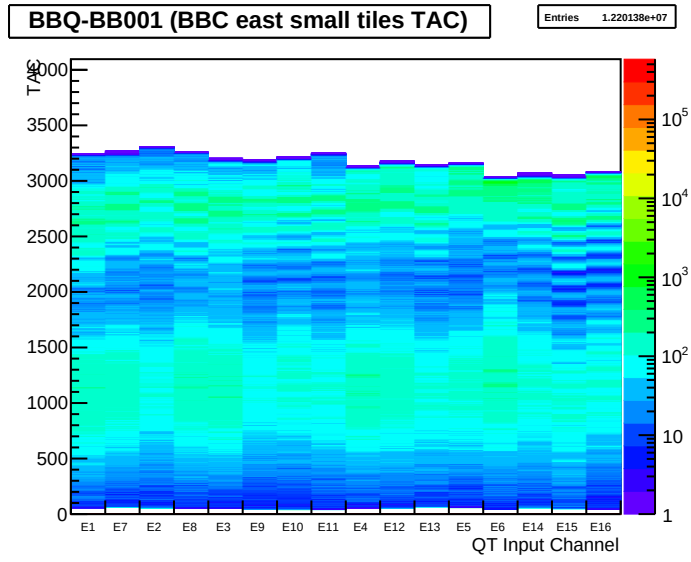

L2-TF201
Entries 762586
TOF total mult

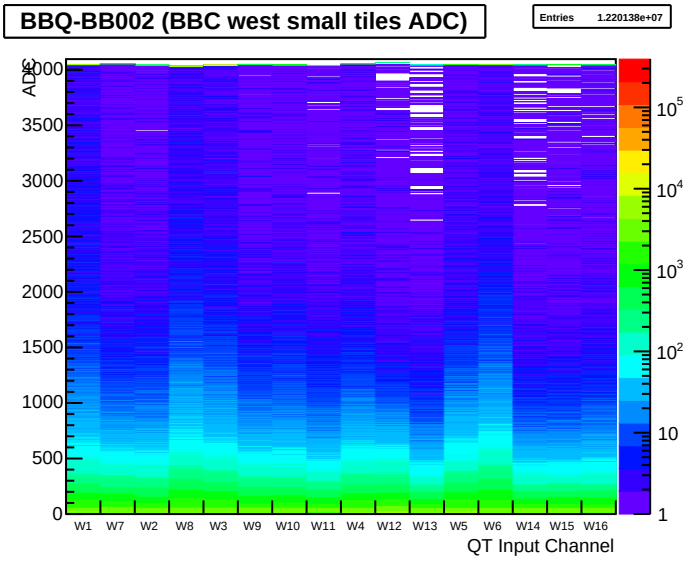

L2-TF201
Entries 0
TOF total mult(Real-Simu)

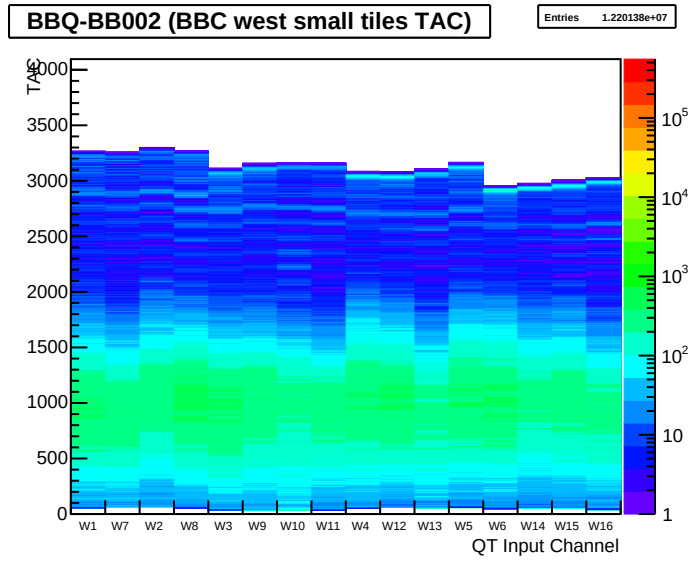

L2-TF201
Entries 5338102
Threshold/UPC bits
663792
672968
663258
669421
664103
660683
721967
98794
89618
99328
93165
98483
101903
40619
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

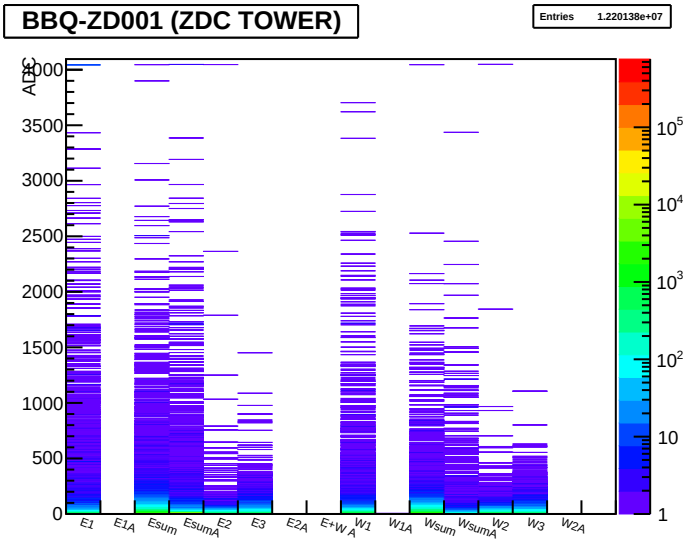

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

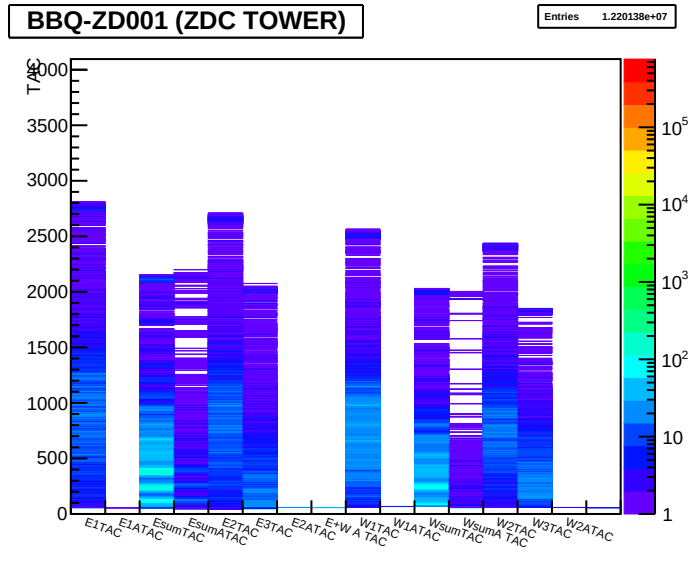

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.220138e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

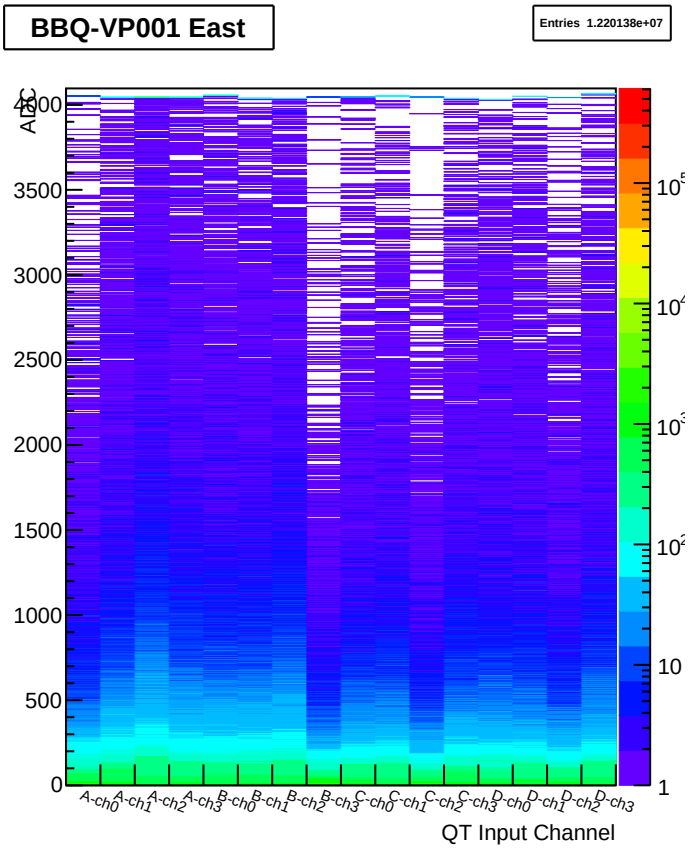

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.220138e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

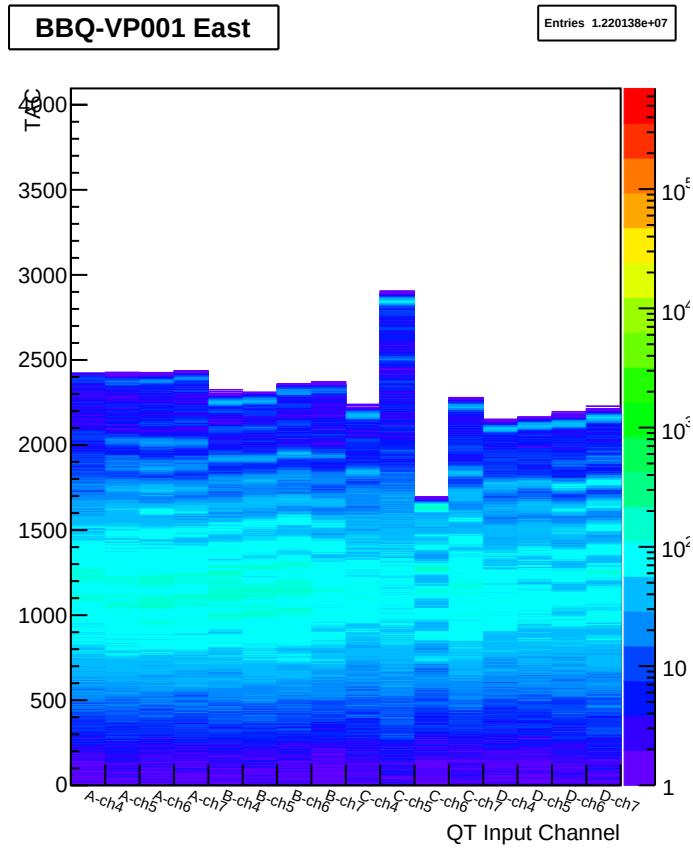

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.220138e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

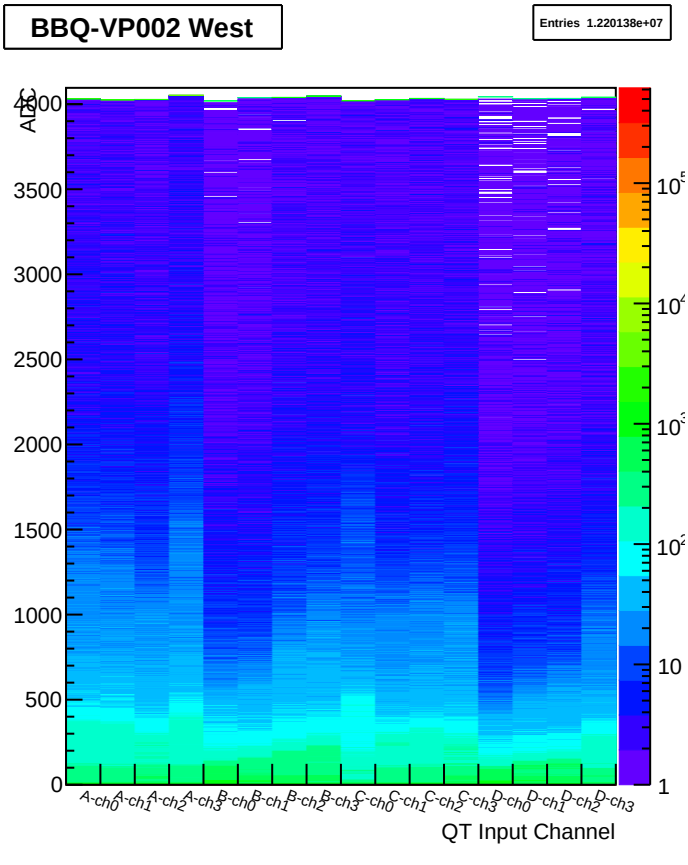

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.220138e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

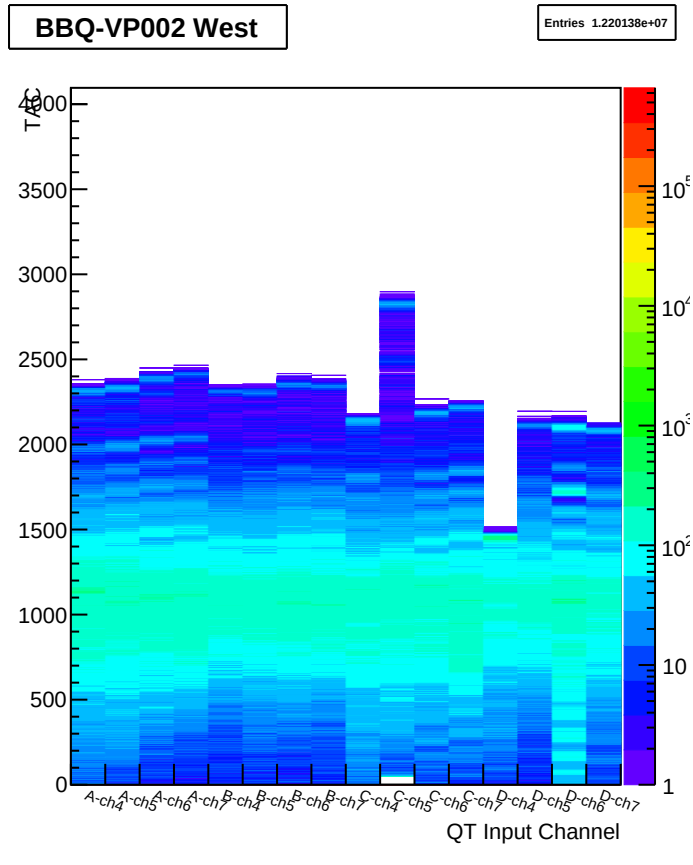

BBQ-ZD001 (ZDC TOWER)
Entries 1.220138e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

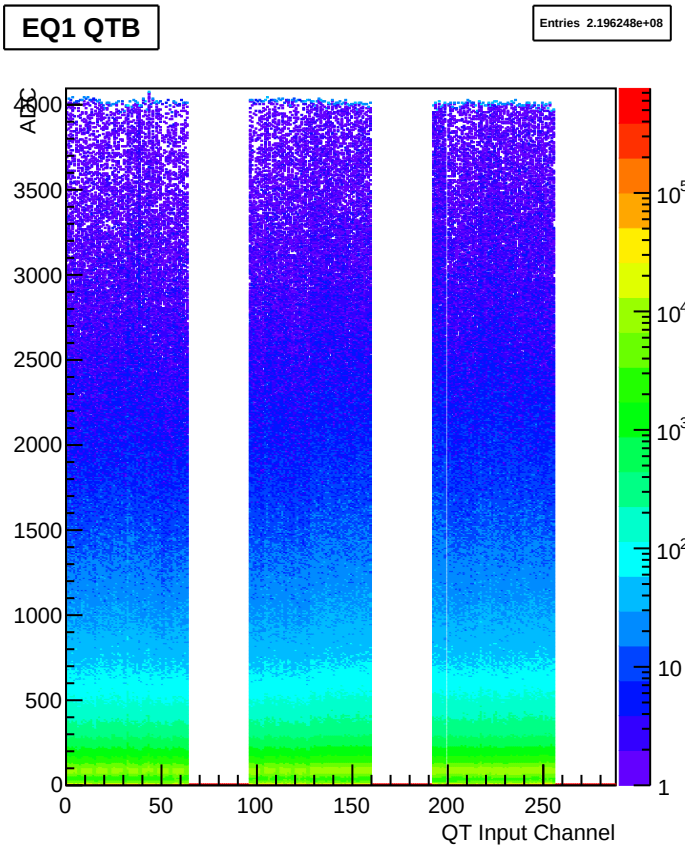

BBQ-ZD001 (ZDC TOWER)
Entries 1.220138e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

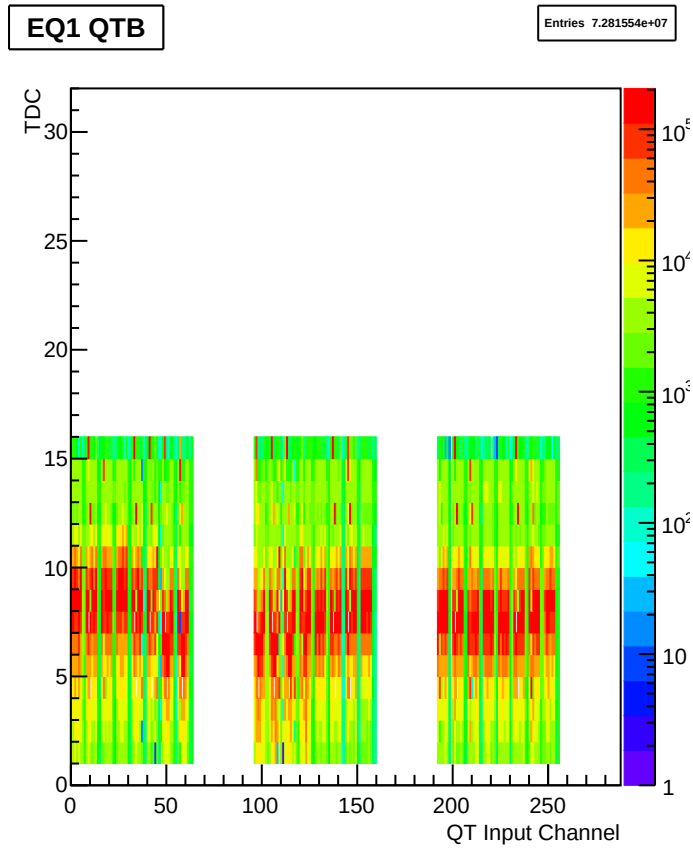

BBQ-VP001 East
Entries 1.220138e+07
ADC
QT Input Channel

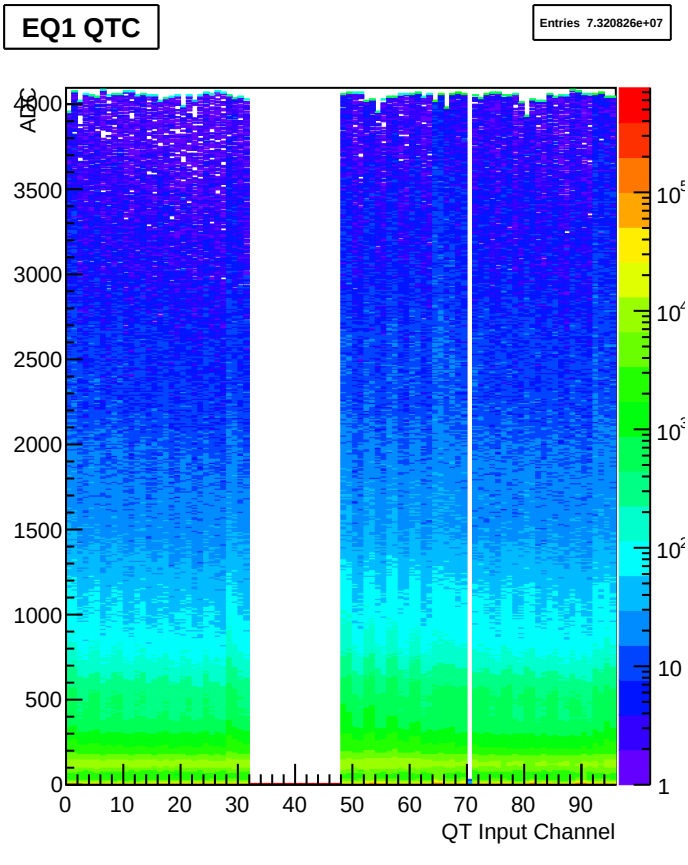

BBQ-VP001 East
Entries 1.220138e+07
ADC
QT Input Channel

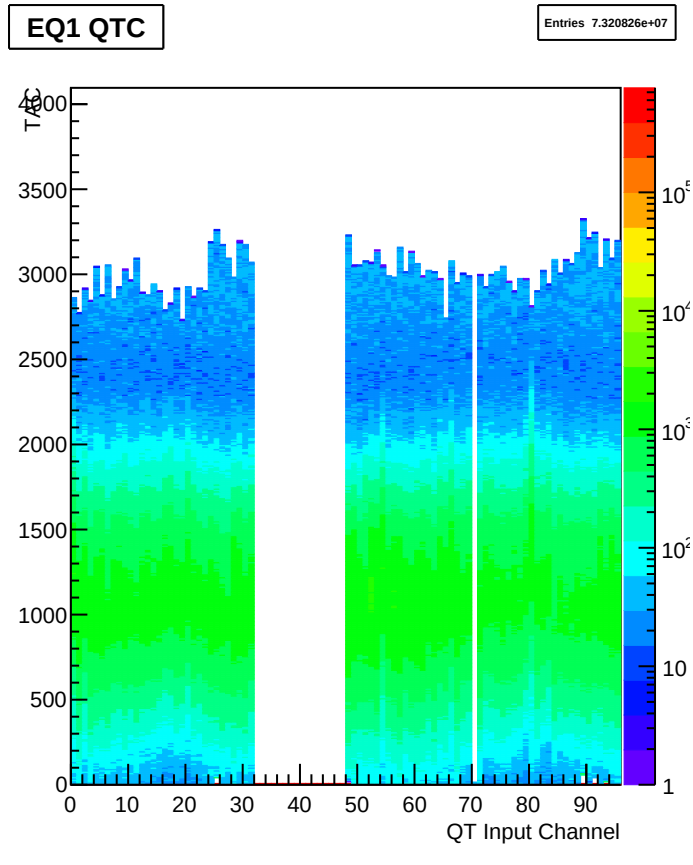

BBQ-VP002 West
Entries 1.220138e+07
ADC
QT Input Channel

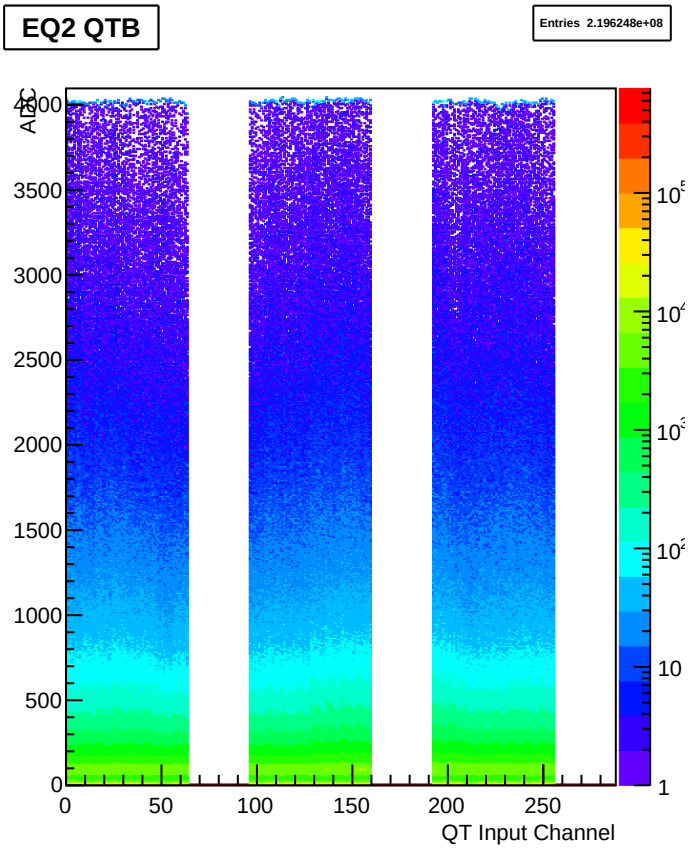

BBQ-VP002 West
Entries 1.220138e+07
ADC
QT Input Channel

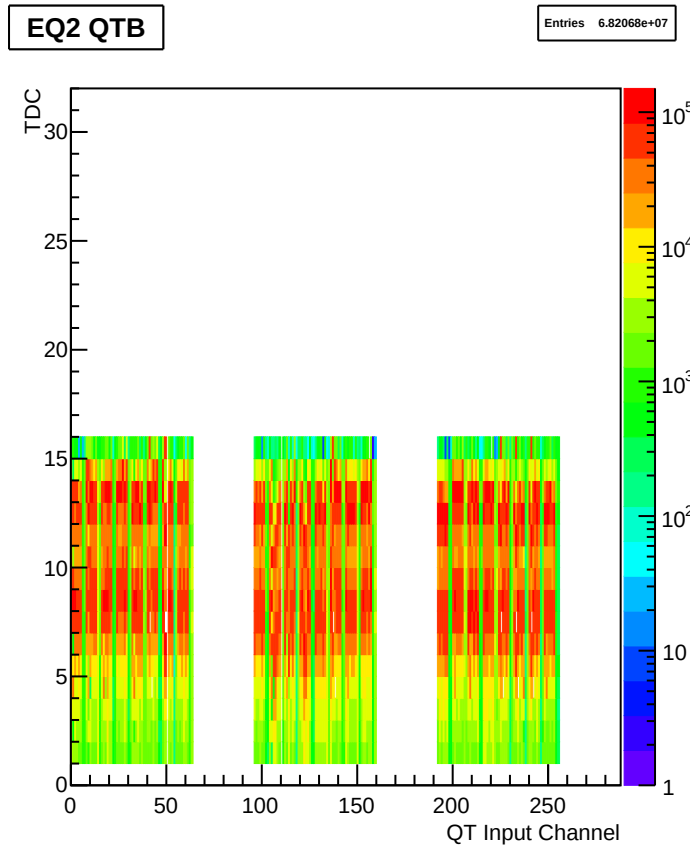

EQ1 QTB
Entries 2.196248e+08
ADC
QT Input Channel

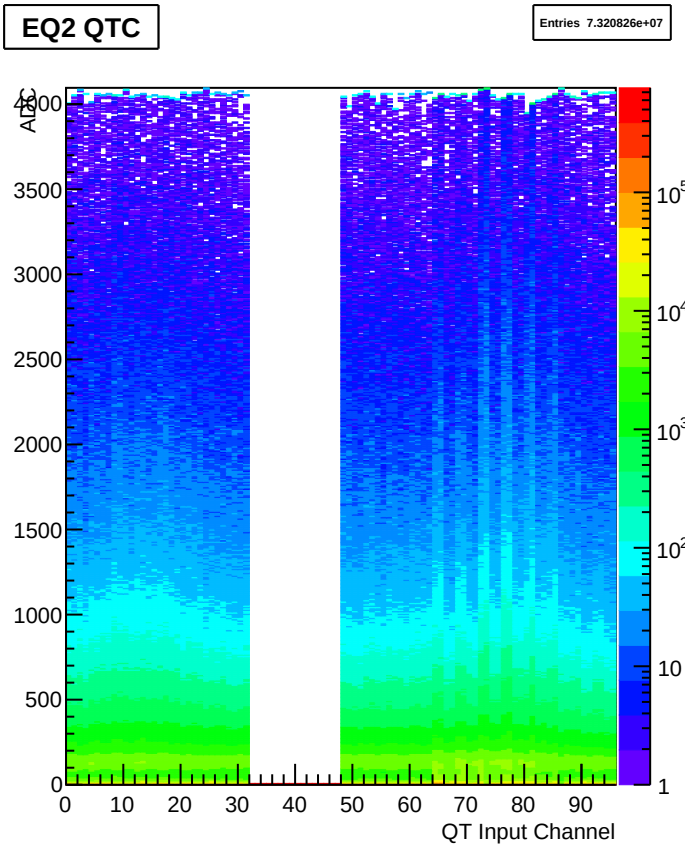

EQ1 QTB
Entries 7.281554e+07
TDC
QT Input Channel

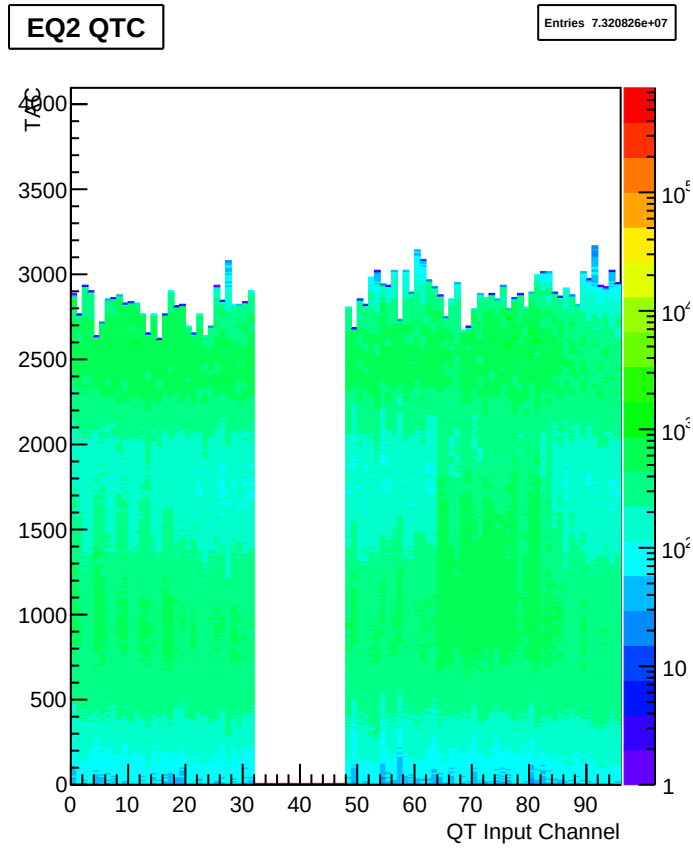

EQ1 QTC
Entries 7.320826e+07
ADC
QT Input Channel

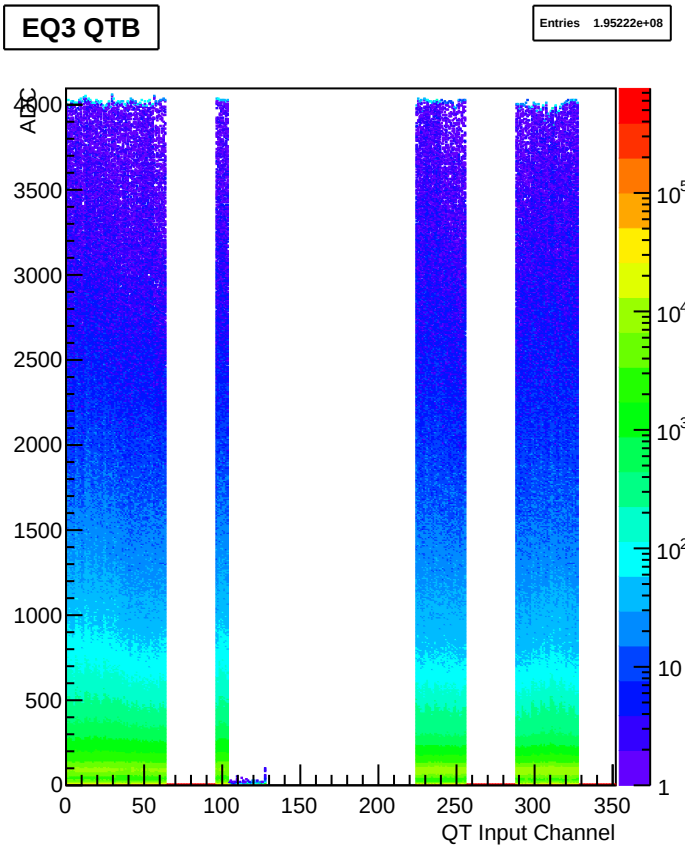

EQ1 QTC
Entries 7.320826e+07
TADC
QT Input Channel

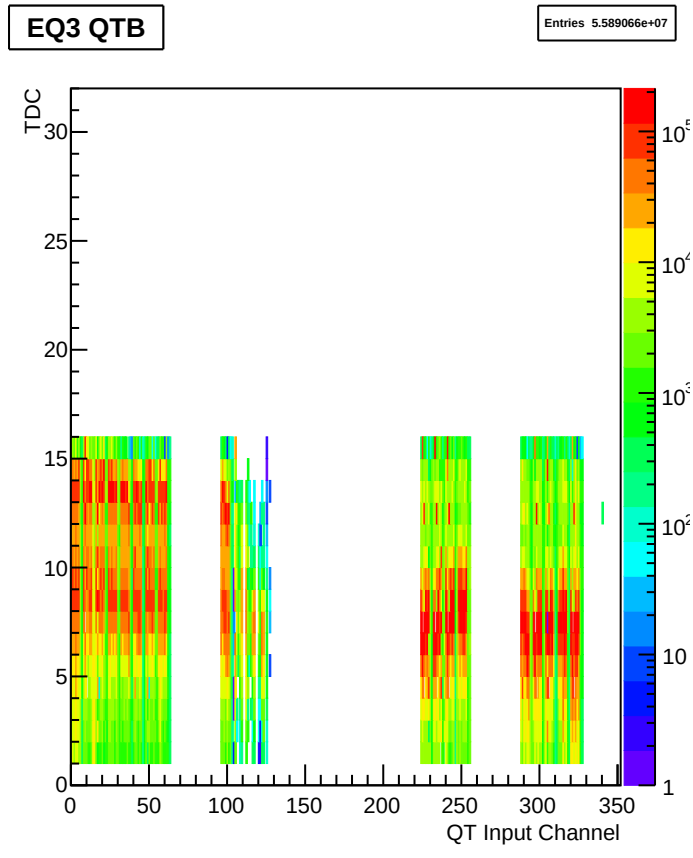

EQ2 QTB
Entries 2.196248e+08
ADC
QT Input Channel

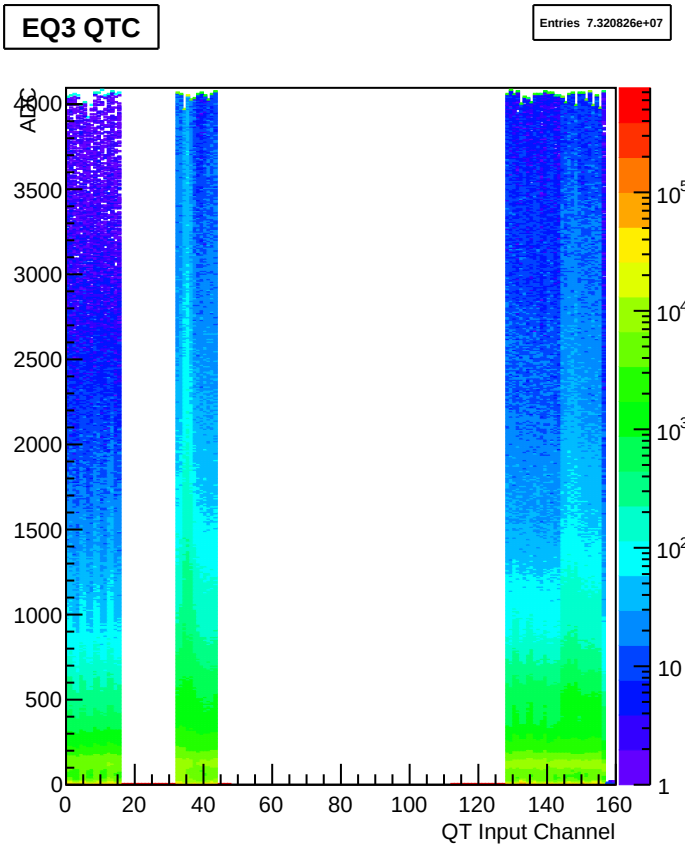

EQ2 QTB
Entries 6.82068e+07
TDC
QT Input Channel

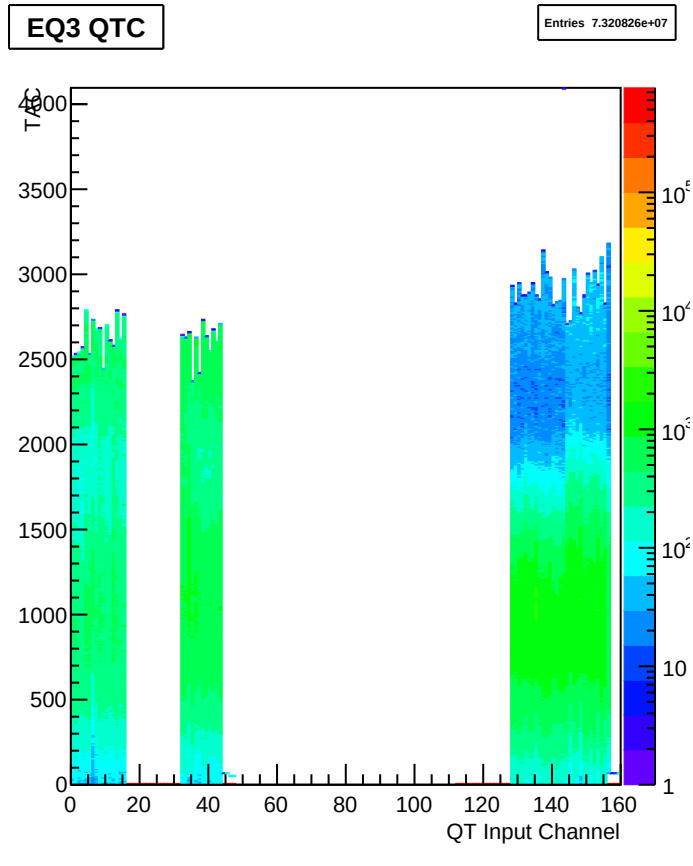

EQ2 QTC
Entries 7.320826e+07
ADC
QT Input Channel

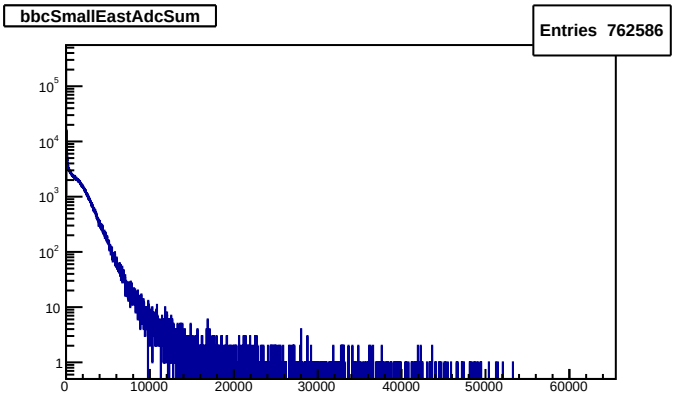

EQ2 QTC
Entries 7.320826e+07
TADC
QT Input Channel

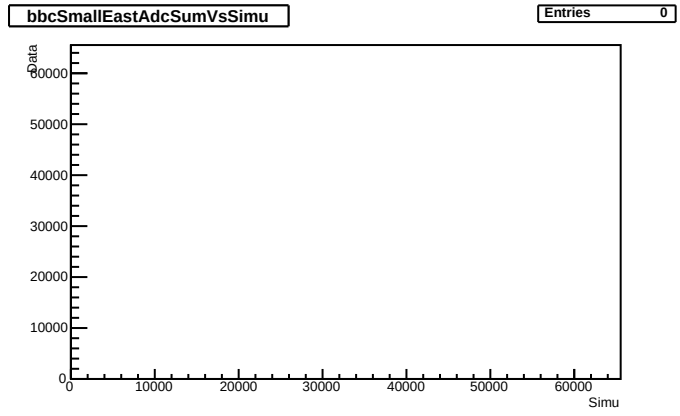

EQ3 QTB
Entries 1.95222e+08
ADC
QT Input Channel

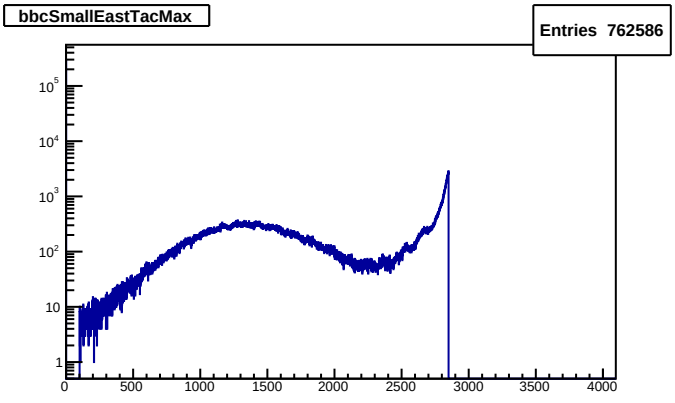

EQ3 QTB
Entries 5.589066e+07
TDC
QT Input Channel


EQ3 QTC
Entries 7.320826e+07
ADC
QT Input Channel


EQ3 QTC
Entries 7.320826e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 762586


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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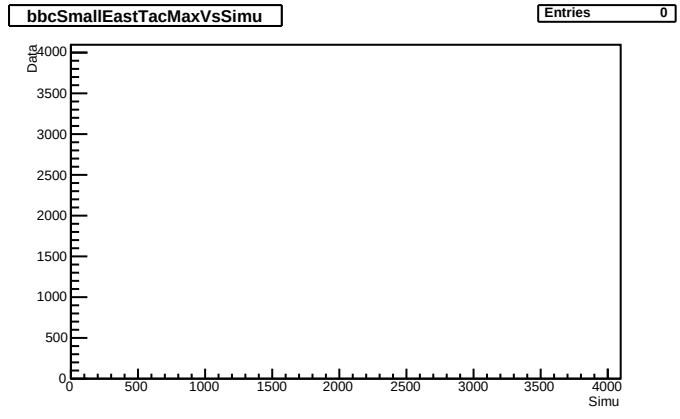
Entries 762586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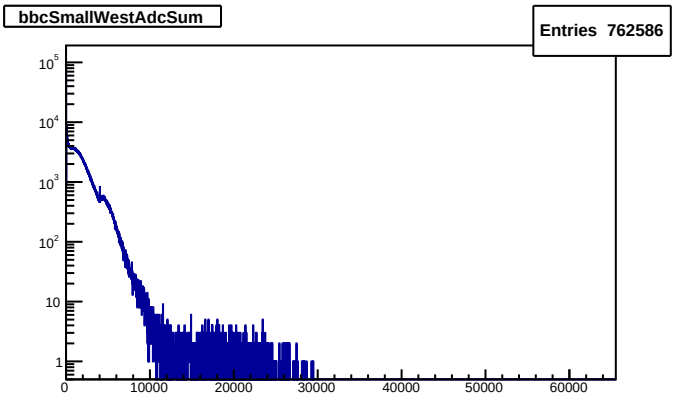
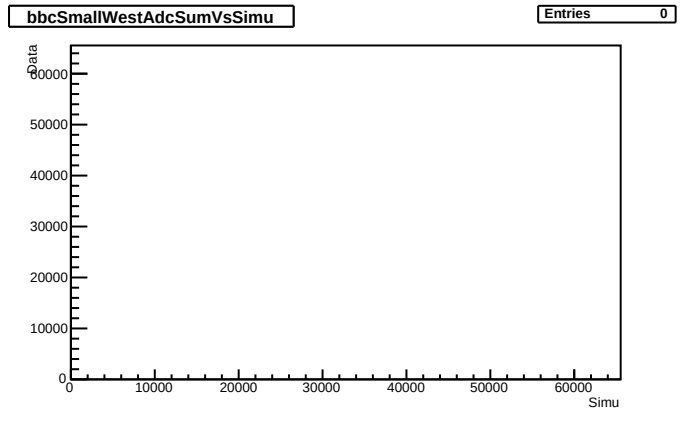

bbcSmallWestAdcSum
Entries 762586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Entries 0
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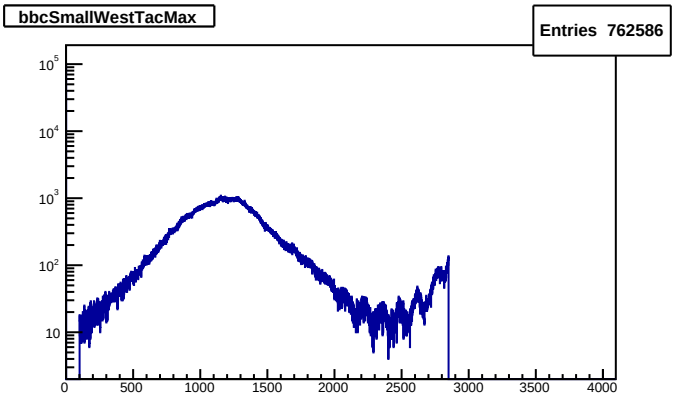
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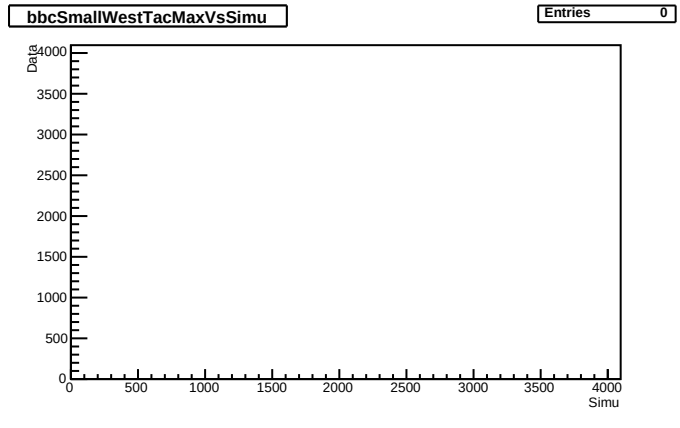
Entries 762586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Entries 0
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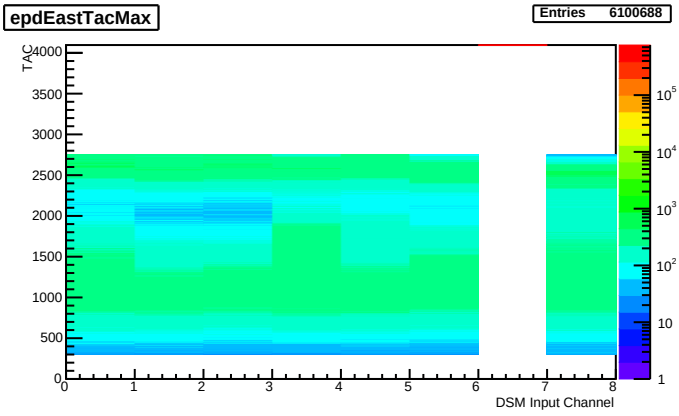
Simu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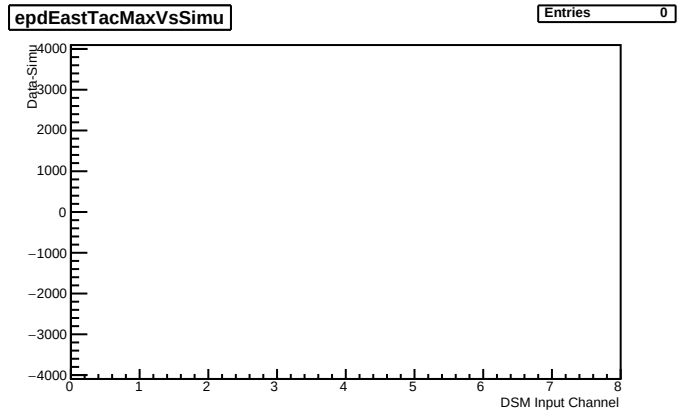
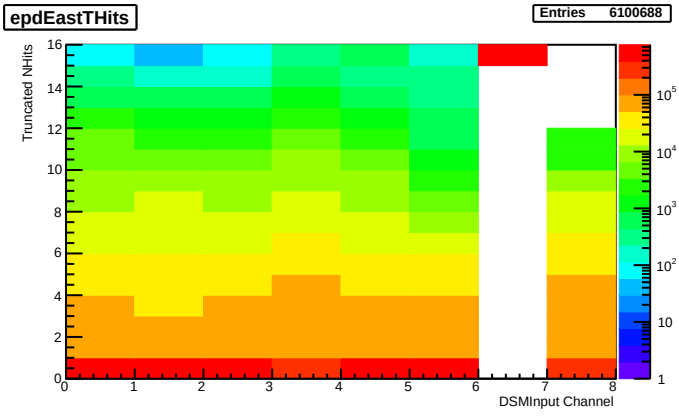
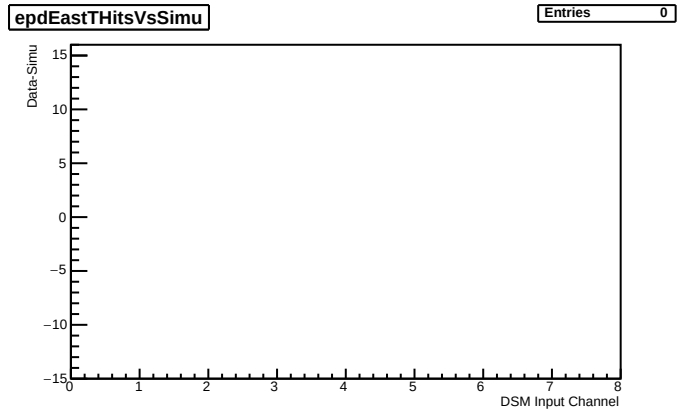
Entries 6100688
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 6100688
Truncated NHits
DSMInput Channel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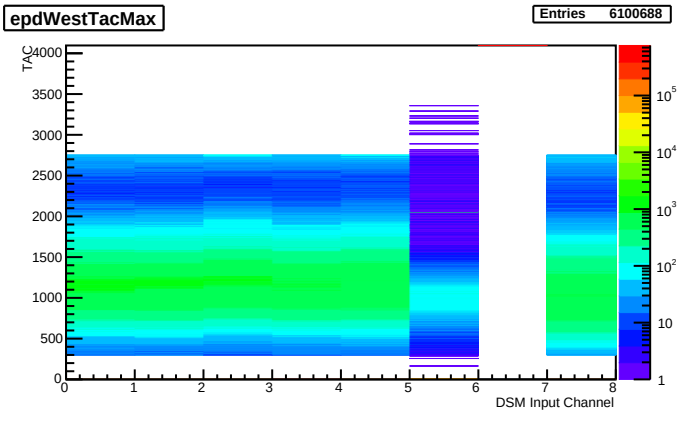
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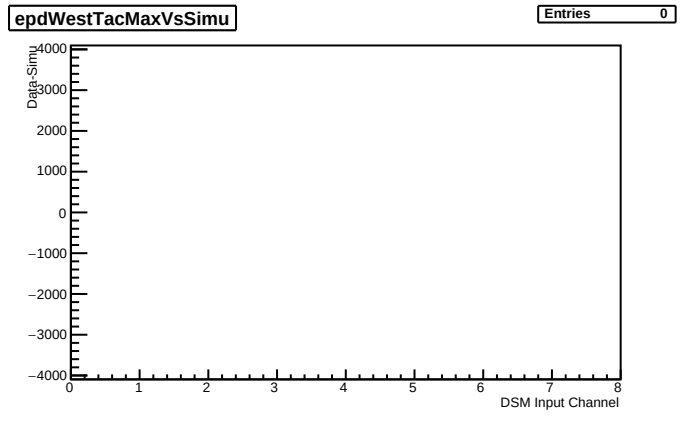
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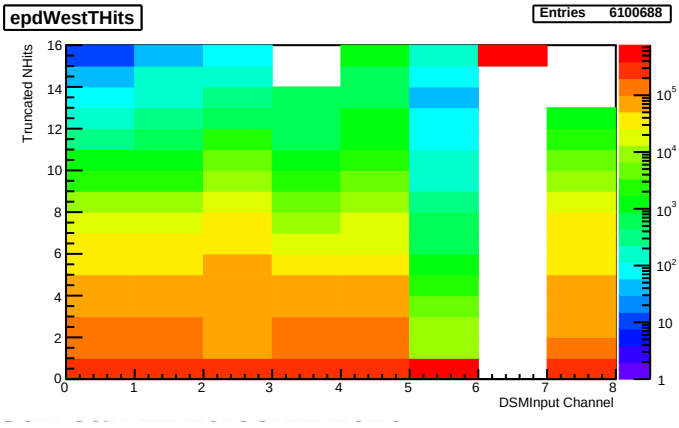
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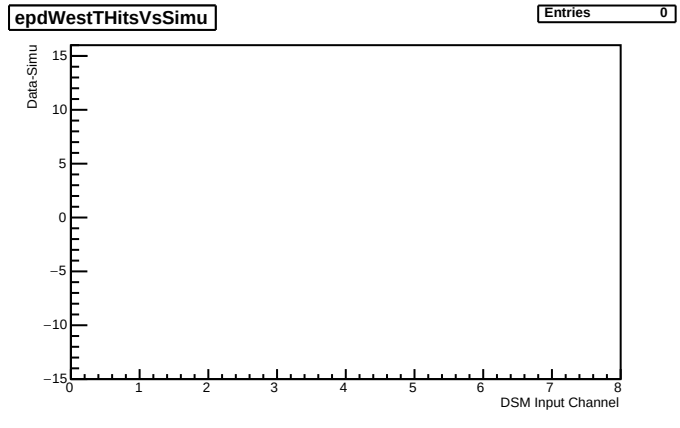
Entries 6100688
Truncated NHits
DSMInput Channel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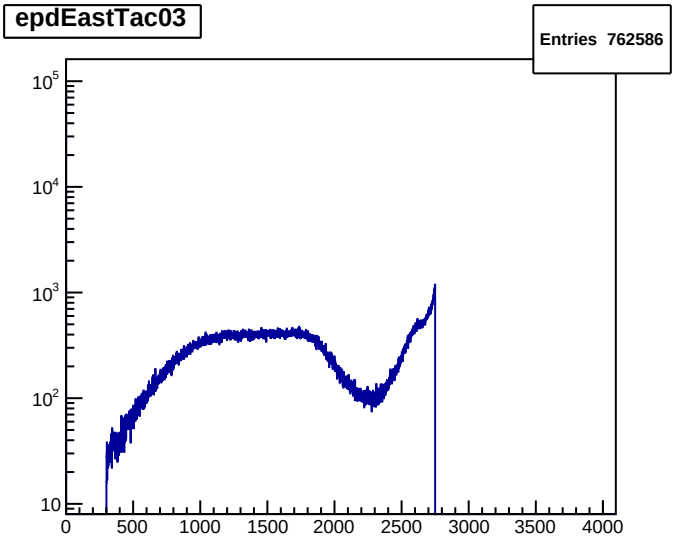
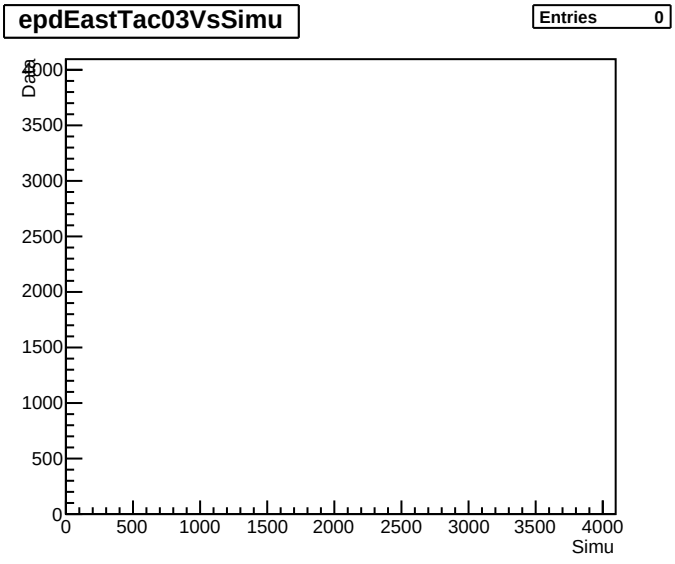
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 762586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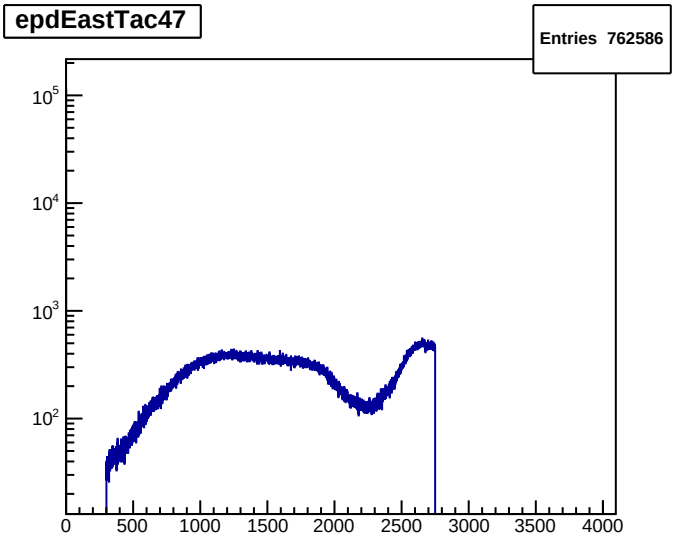
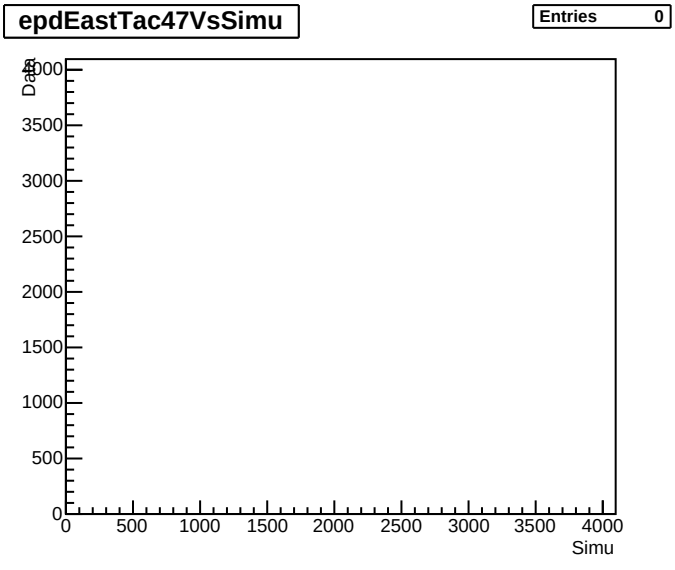
Entries 0
Data
Simu


epdEastTac47
Entries 762586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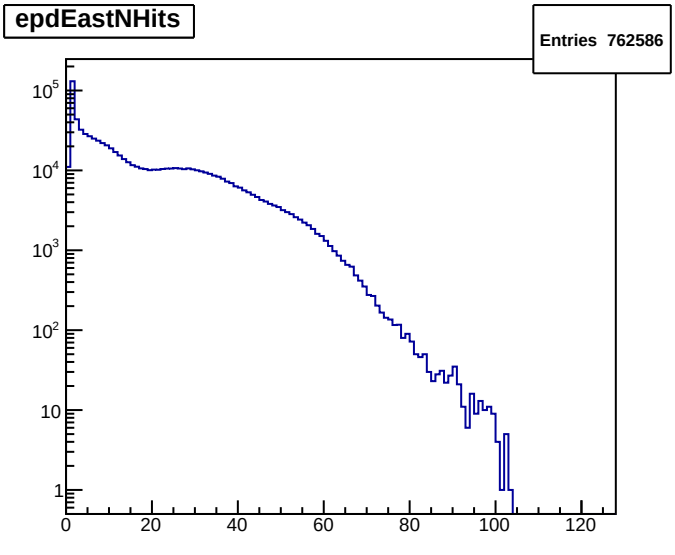
Entries 0
Data
Simu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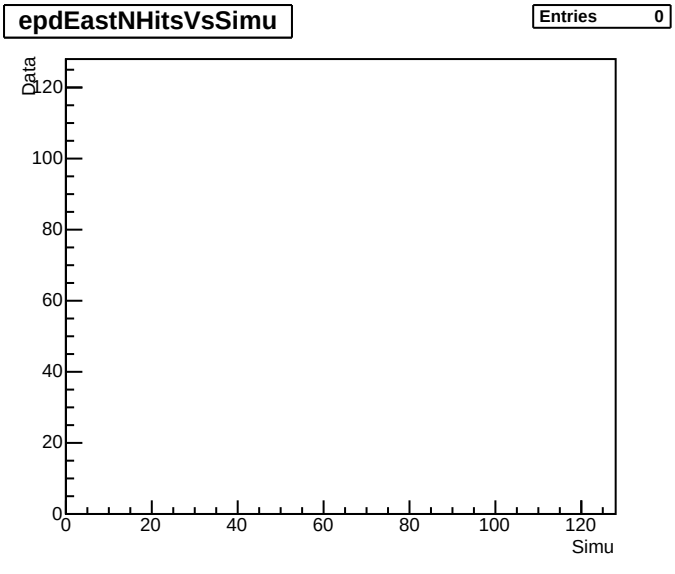
Entries 762586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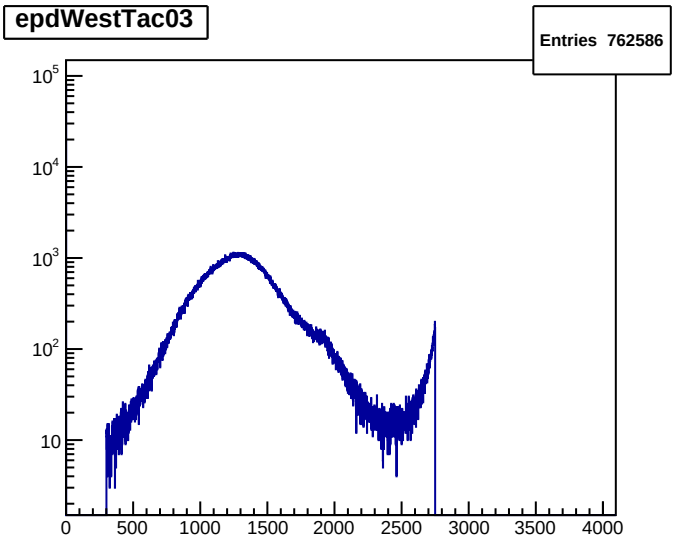
Entries 0
Data
Simu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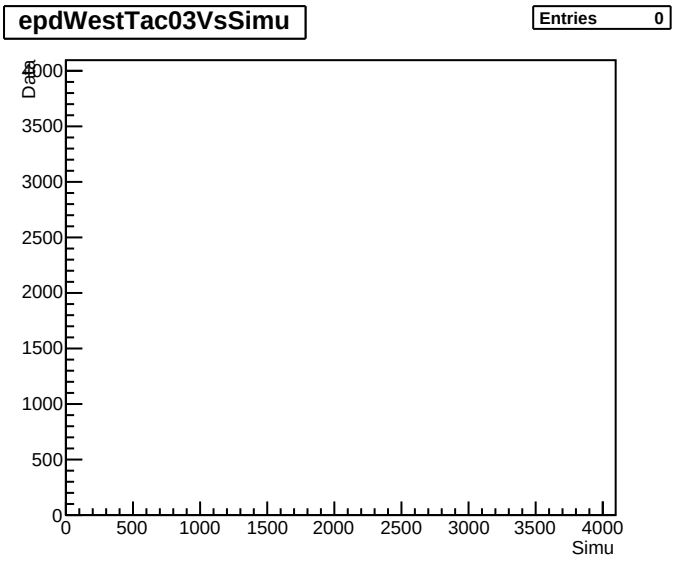
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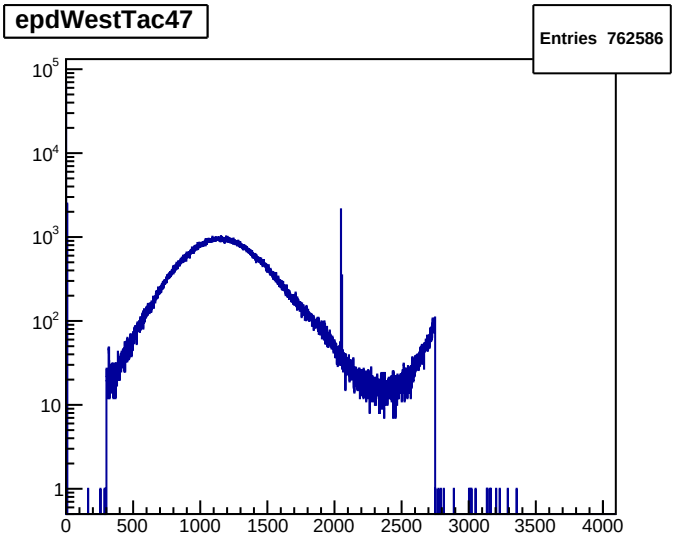
Entries 0
Data
Simu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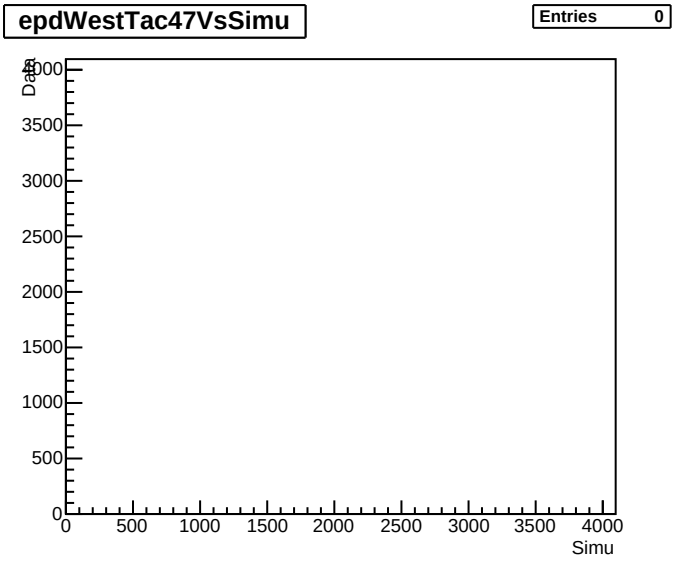
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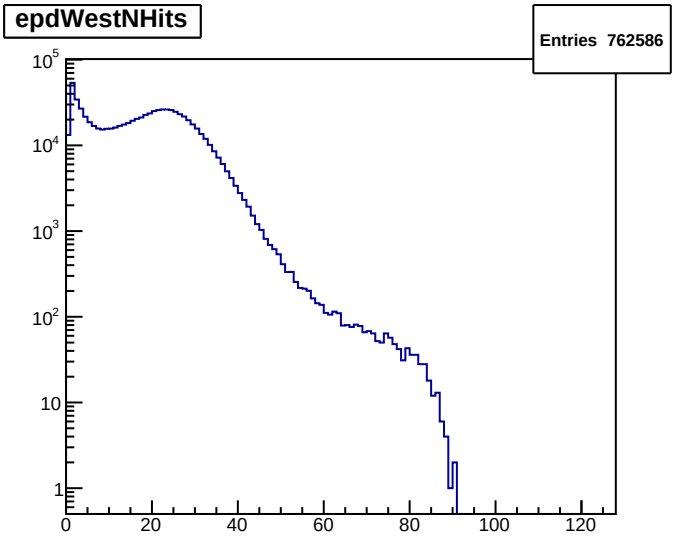
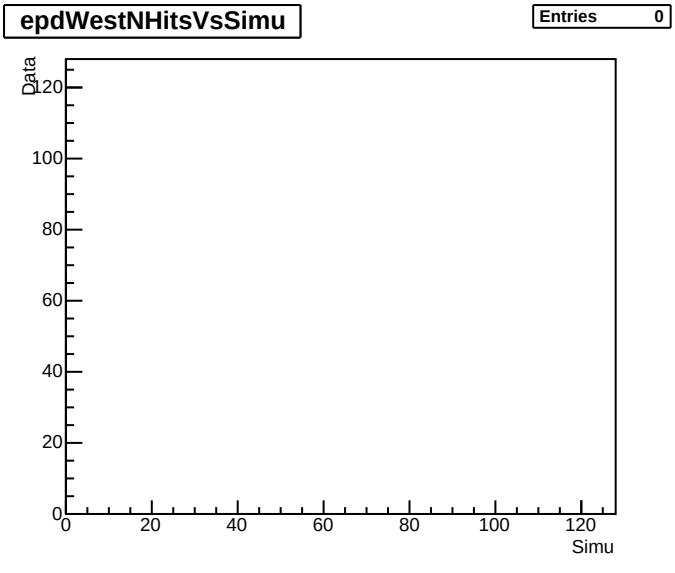
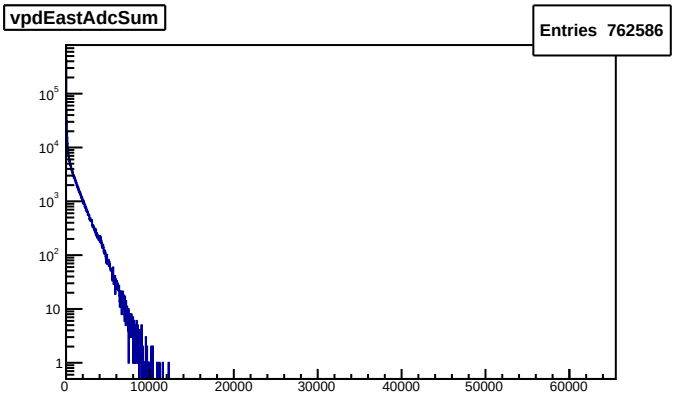
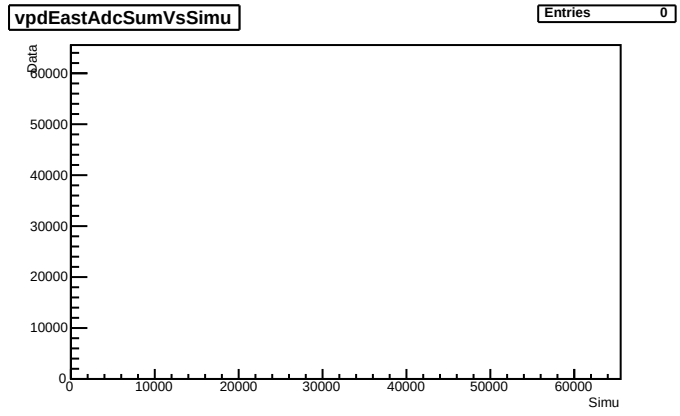
Data
Simu


epdWestNHits
Entries 762586


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 762586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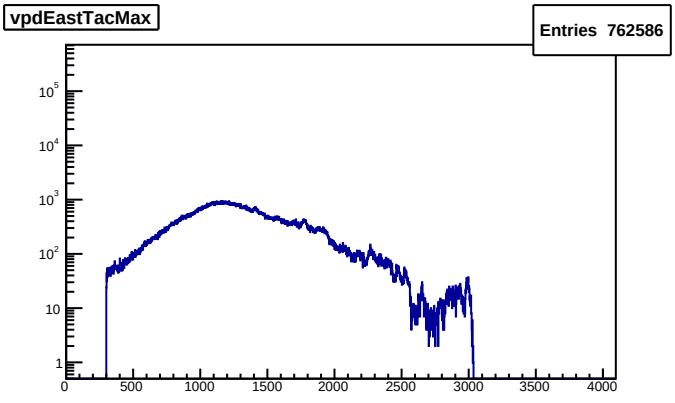
Entries 0
Data
Simu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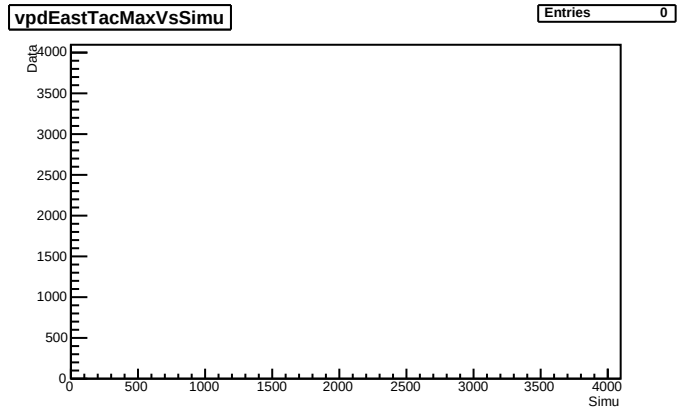
Entries 762586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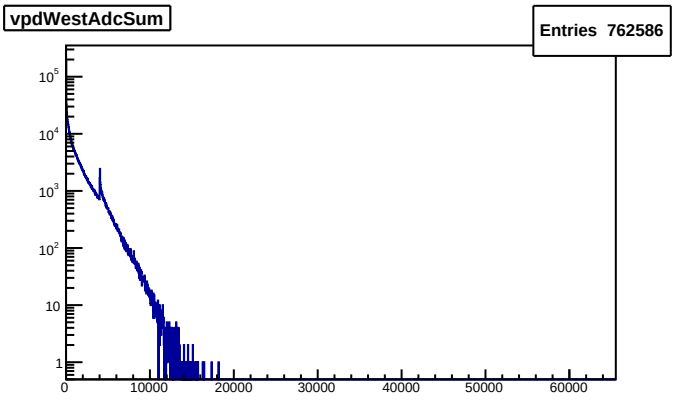
Entries 0
Data
Simu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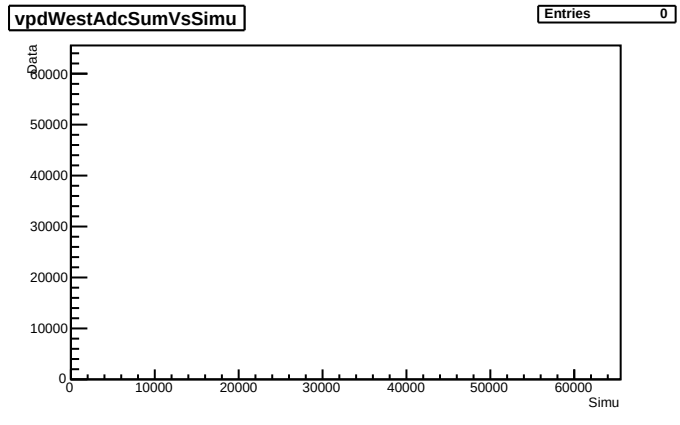
Entries 762586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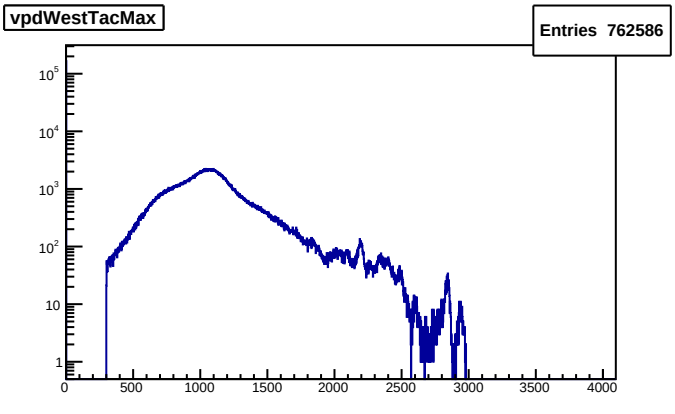
Entries 0
Data
Simu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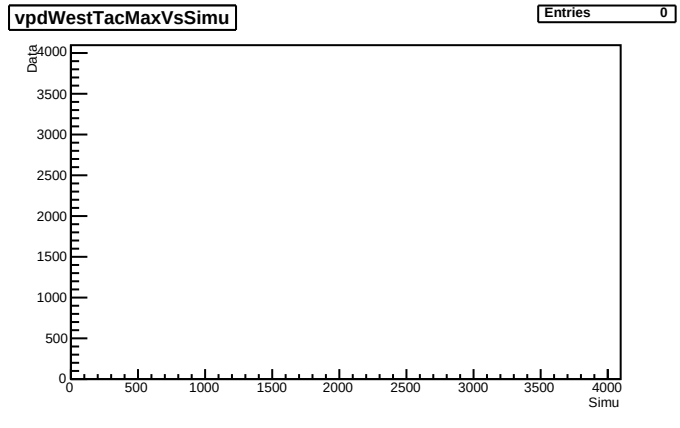
Entries 762586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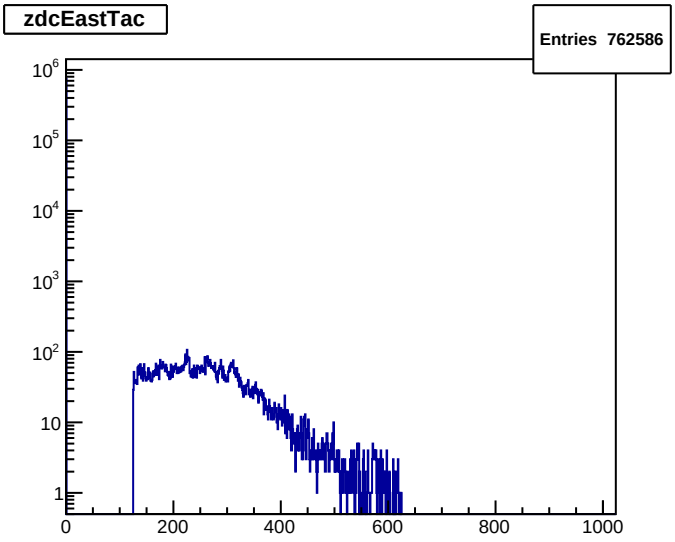
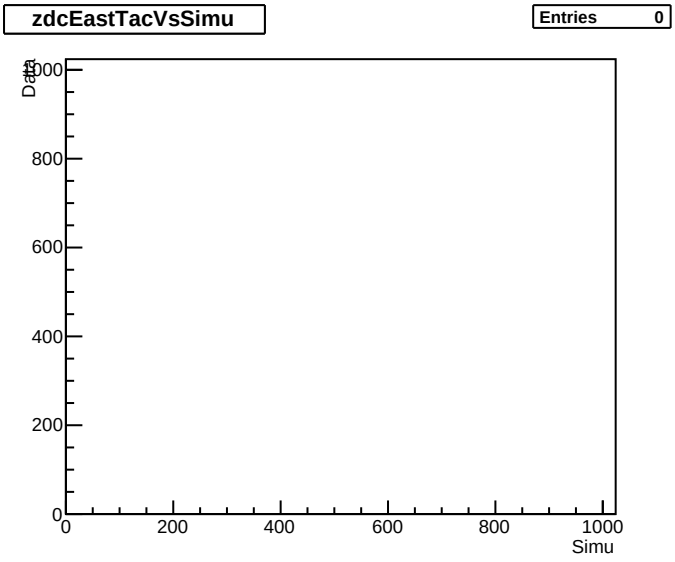
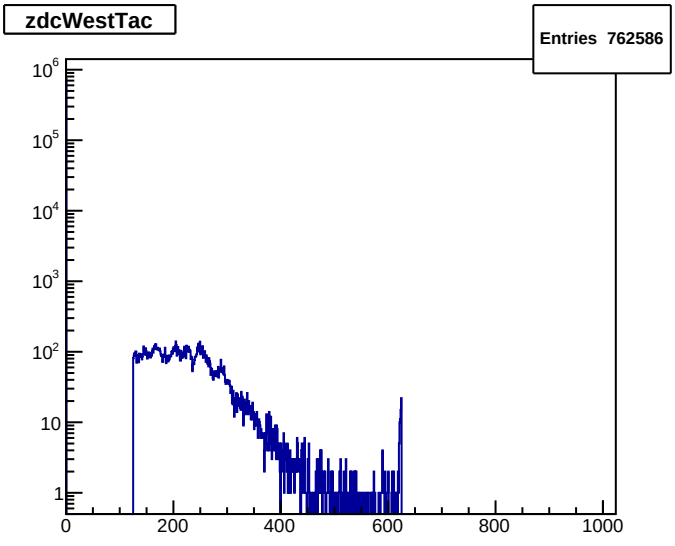
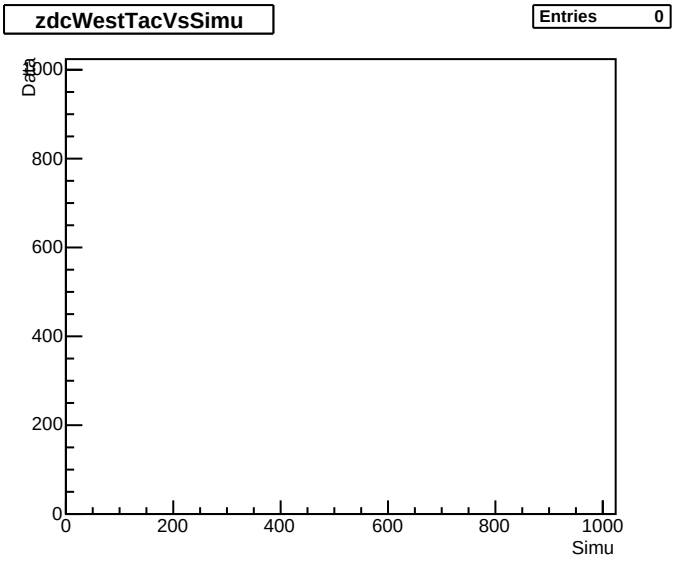
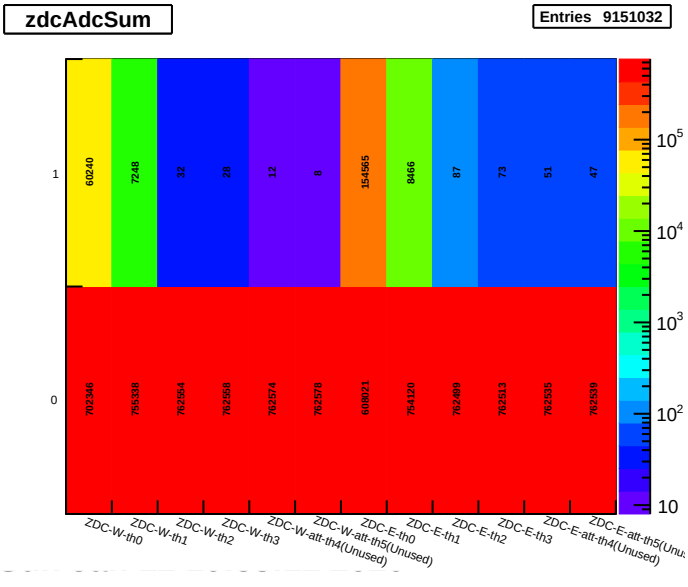
Entries 0
Data
Simu

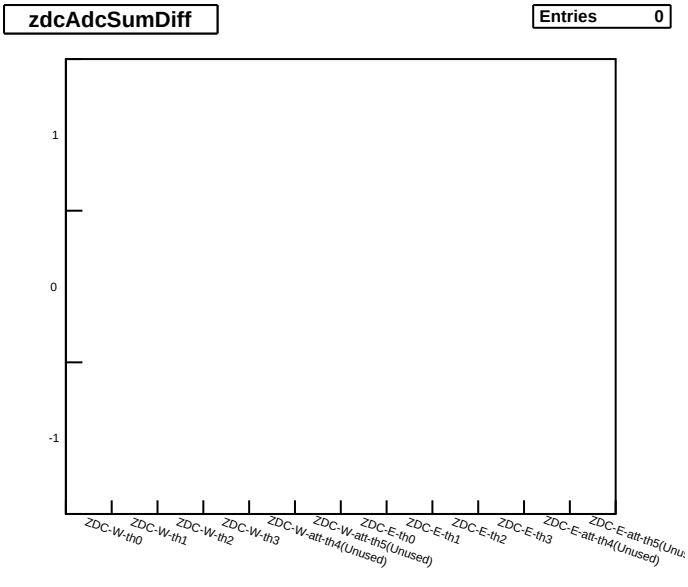

zdcEastTac
Entries 762586


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 762586


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 9151032
60240
7248
32
28
12
8
154565
8466
87
73
51
47
702346
755338
762554
762558
762574
762578
609021
754120
762499
762513
762535
762539
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)
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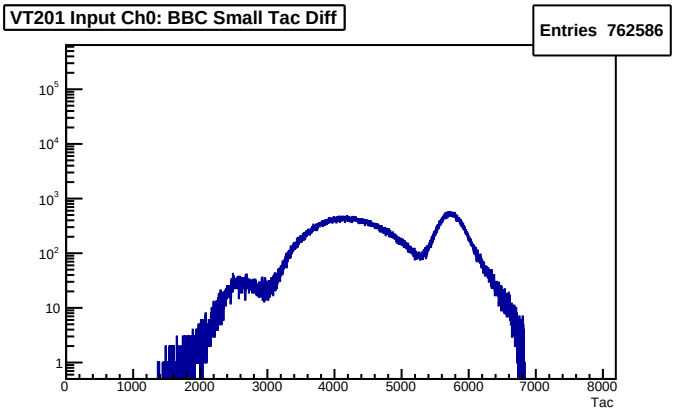
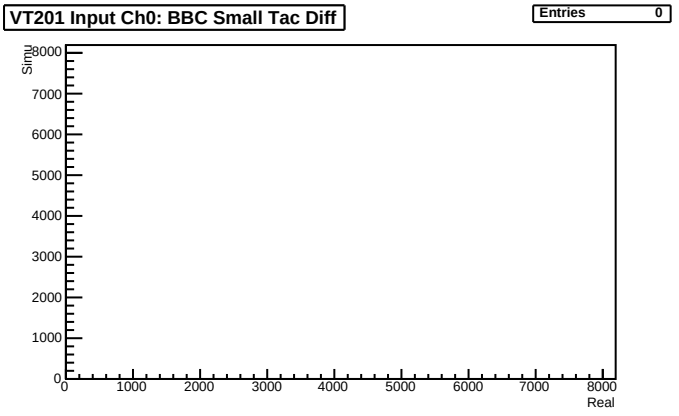
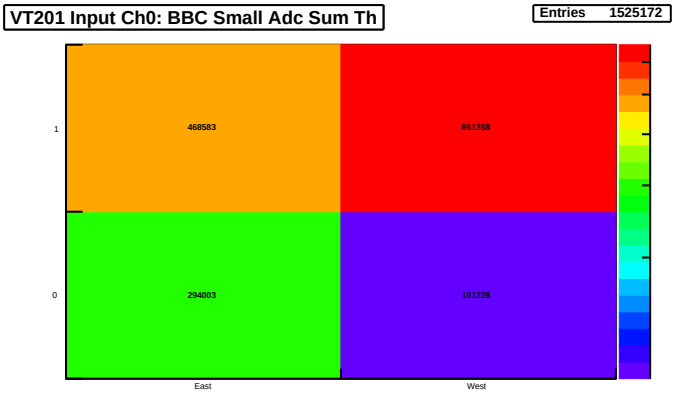
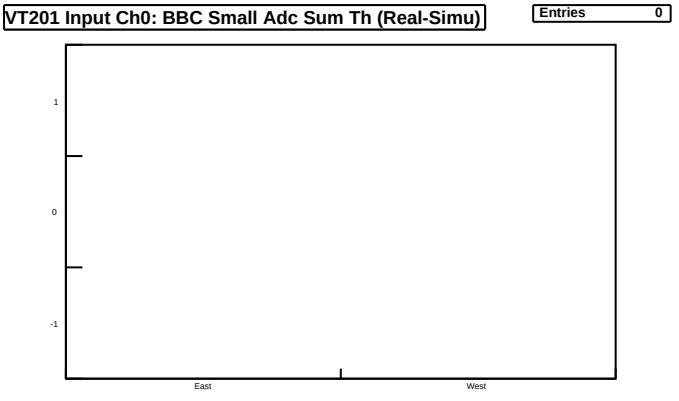
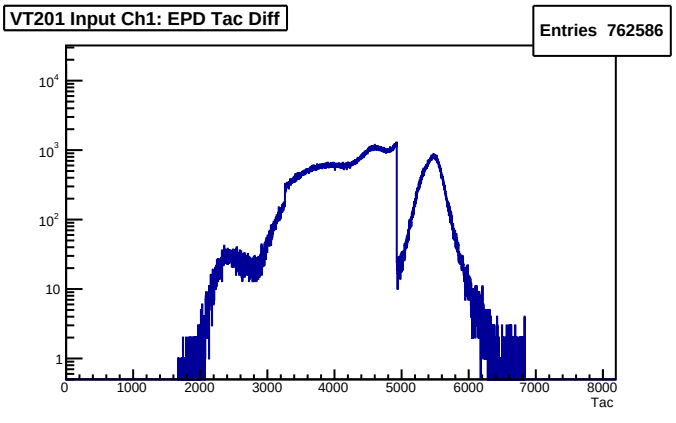
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

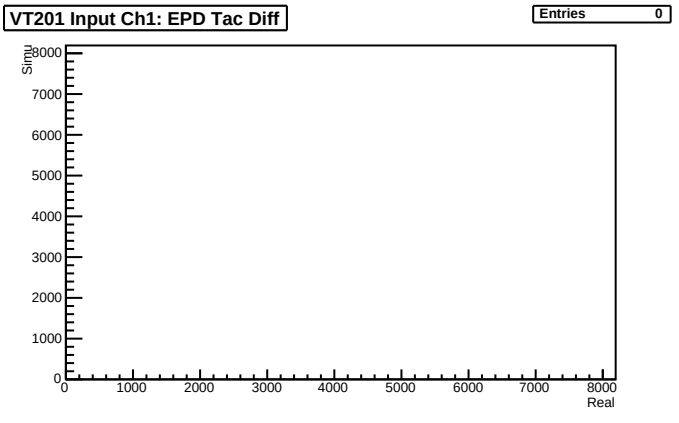

VT201 Input Ch0: BBC Small Tac Diff
Entries 762586
Tac

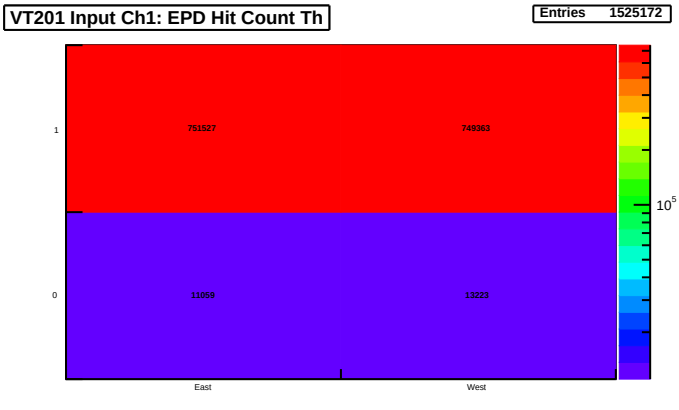

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

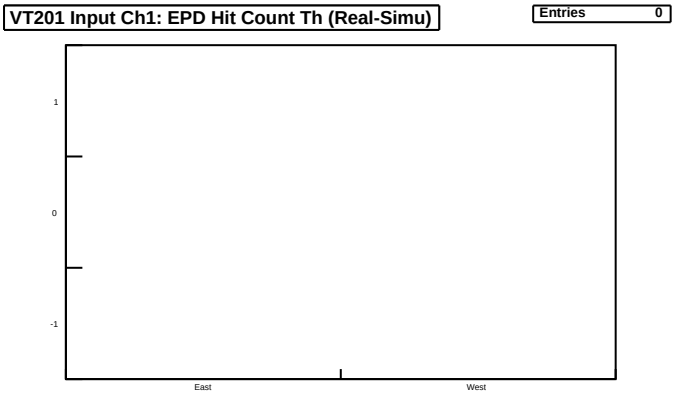

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1525172
468583
661358
294003
101228
East
West

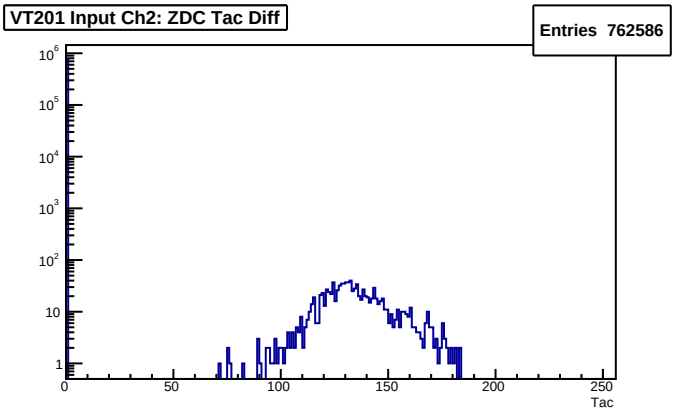

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

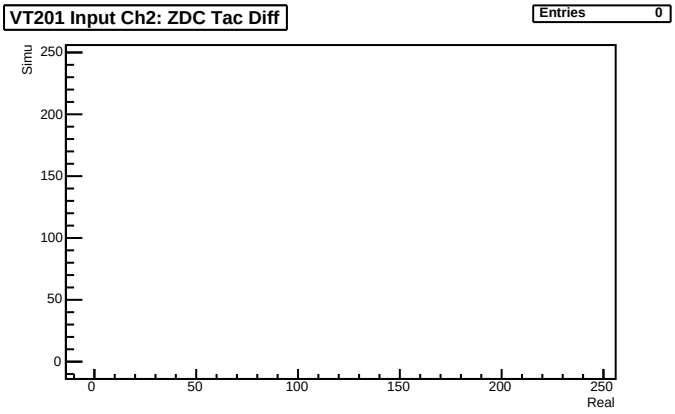

VT201 Input Ch1: EPD Tac Diff
Entries 762586
Tac

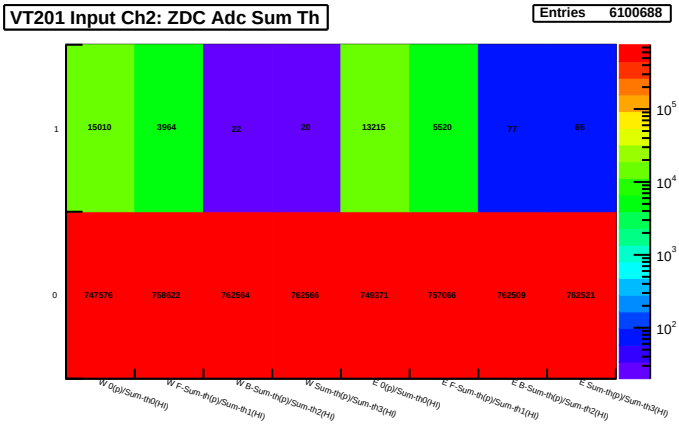

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

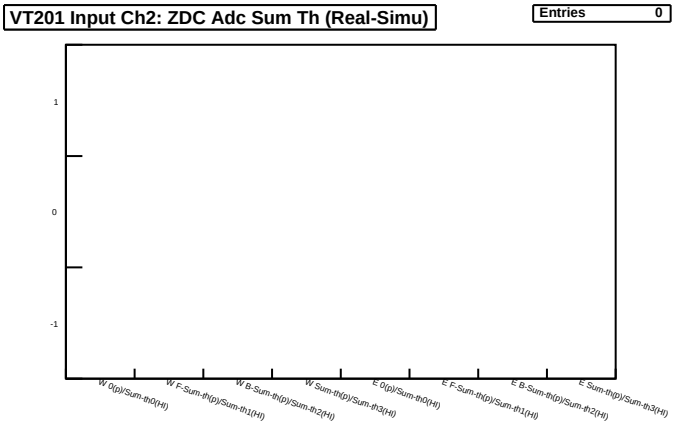

VT201 Input Ch1: EPD Hit Count Th
Entries 1525172
751527
749363
11059
13223
East
West

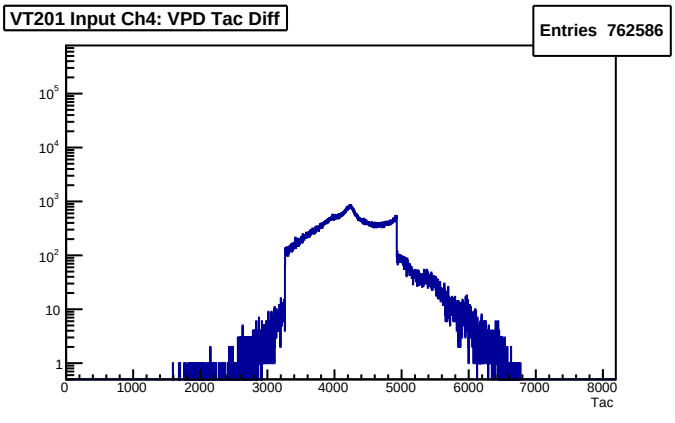

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

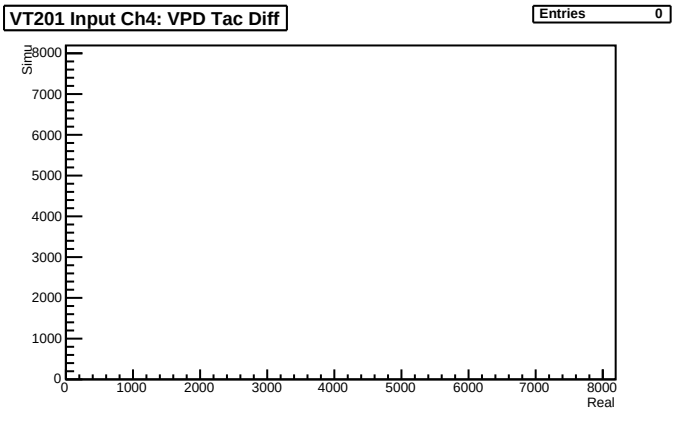

VT201 Input Ch2: ZDC Tac Diff
Entries 762586
Tac

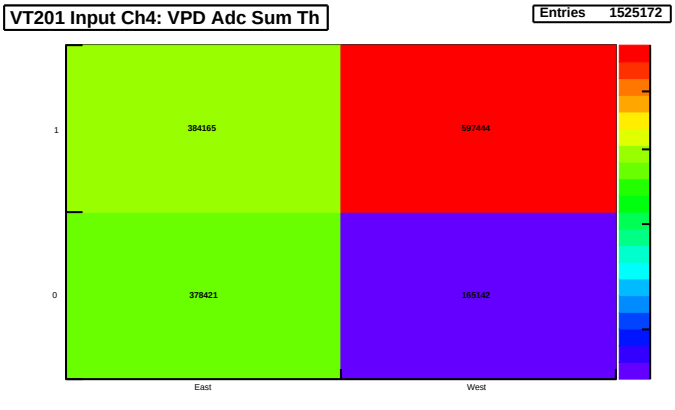

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

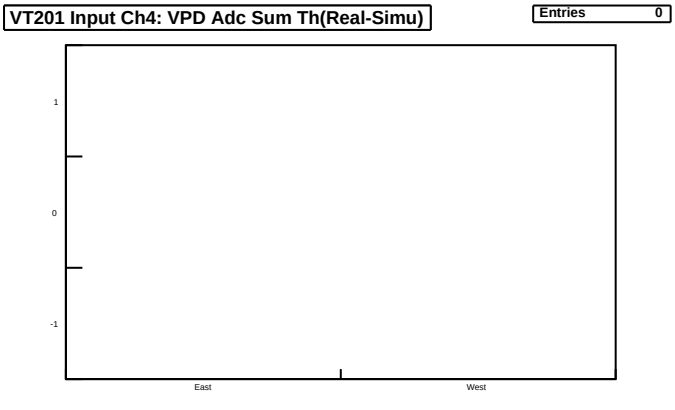

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6100688
15010
3964
22
20
13215
5520
77
65
747576
758622
762564
762566
749371
757066
762509
762521
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

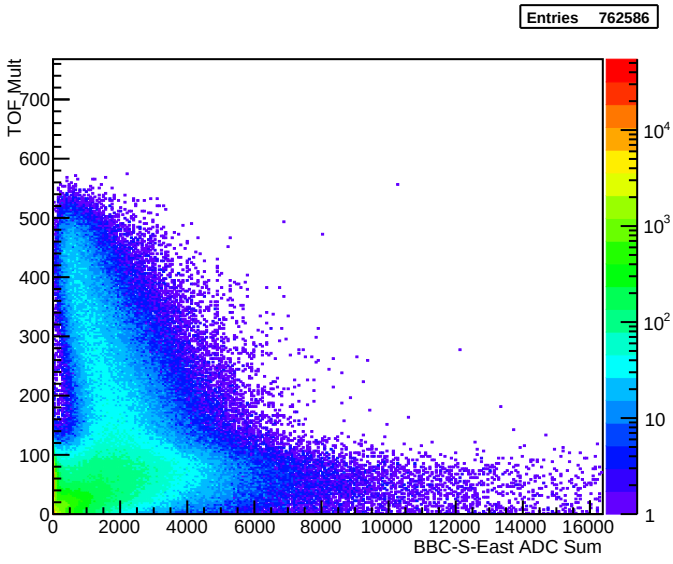

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

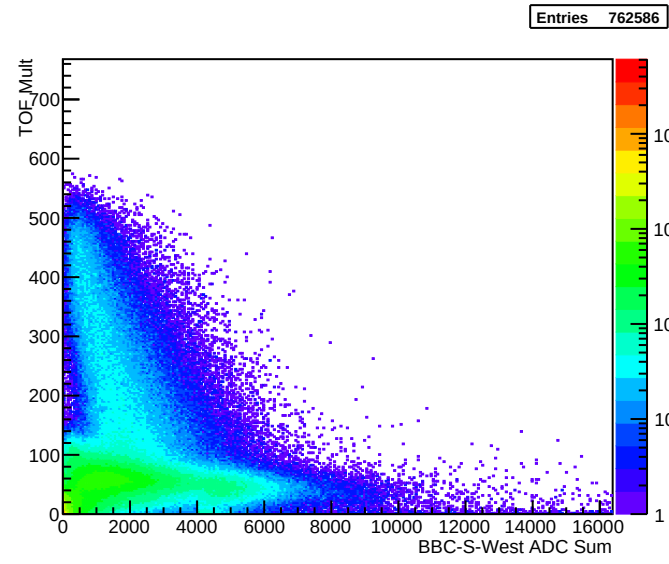

VT201 Input Ch4: VPD Tac Diff
Entries 762586
Tac

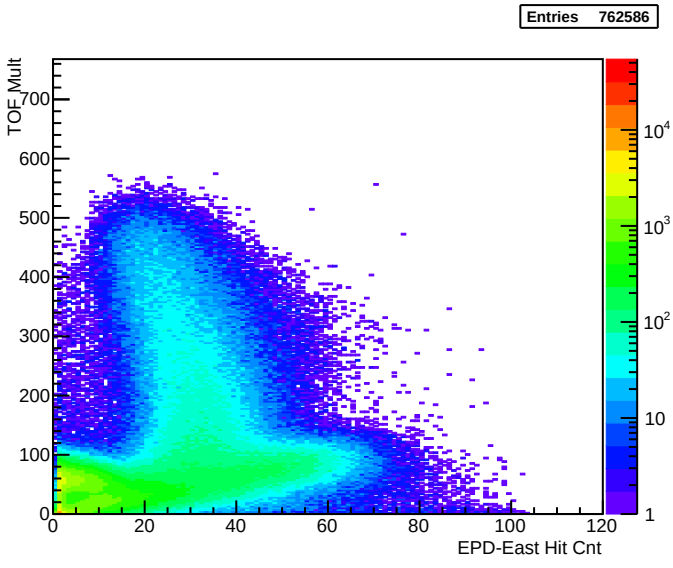

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

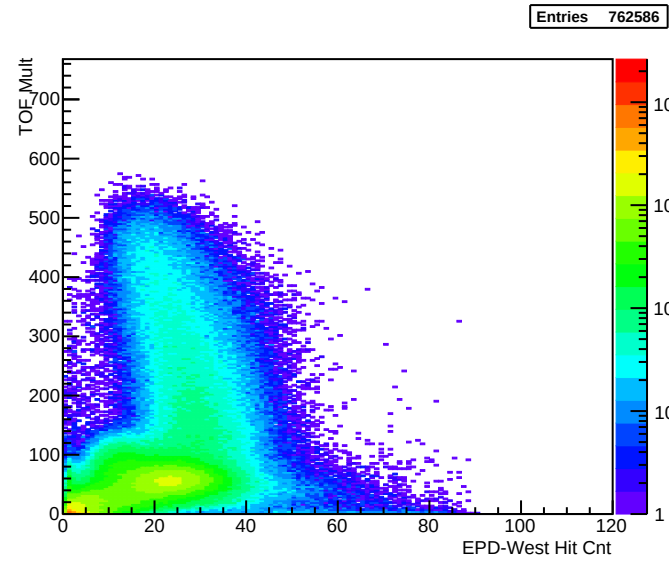

VT201 Input Ch4: VPD Adc Sum Th
Entries 1525172
384165
597444
378421
165142
East
West

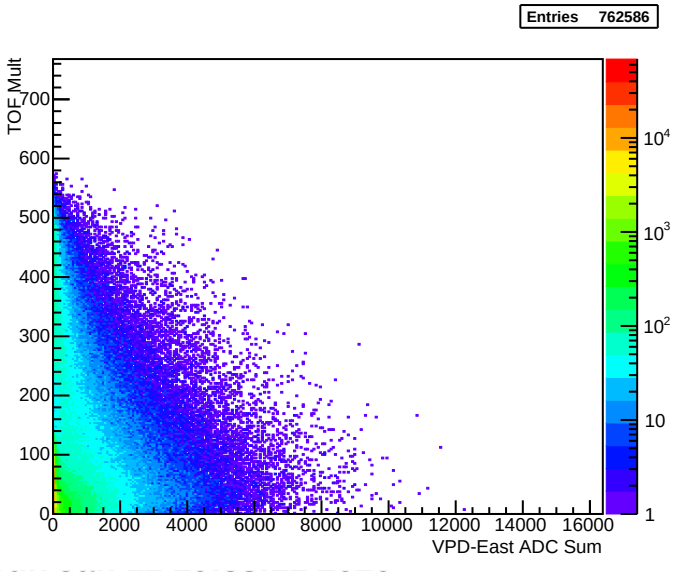

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

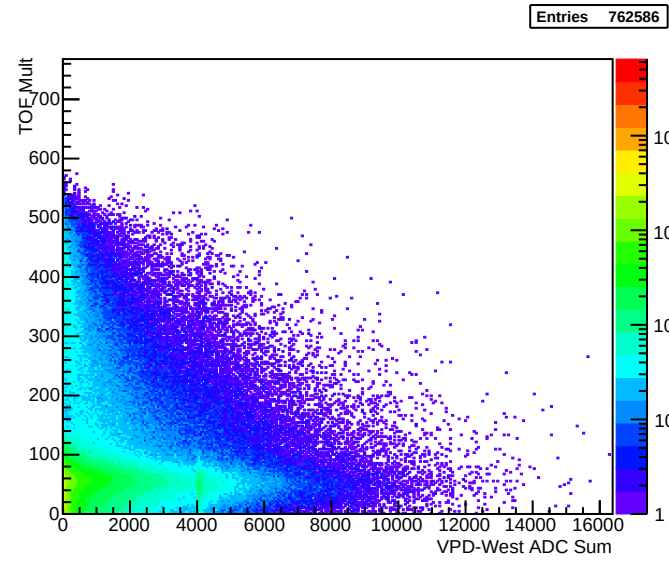

Entries 762586
TOF_Mult
BBC-S-East ADC Sum

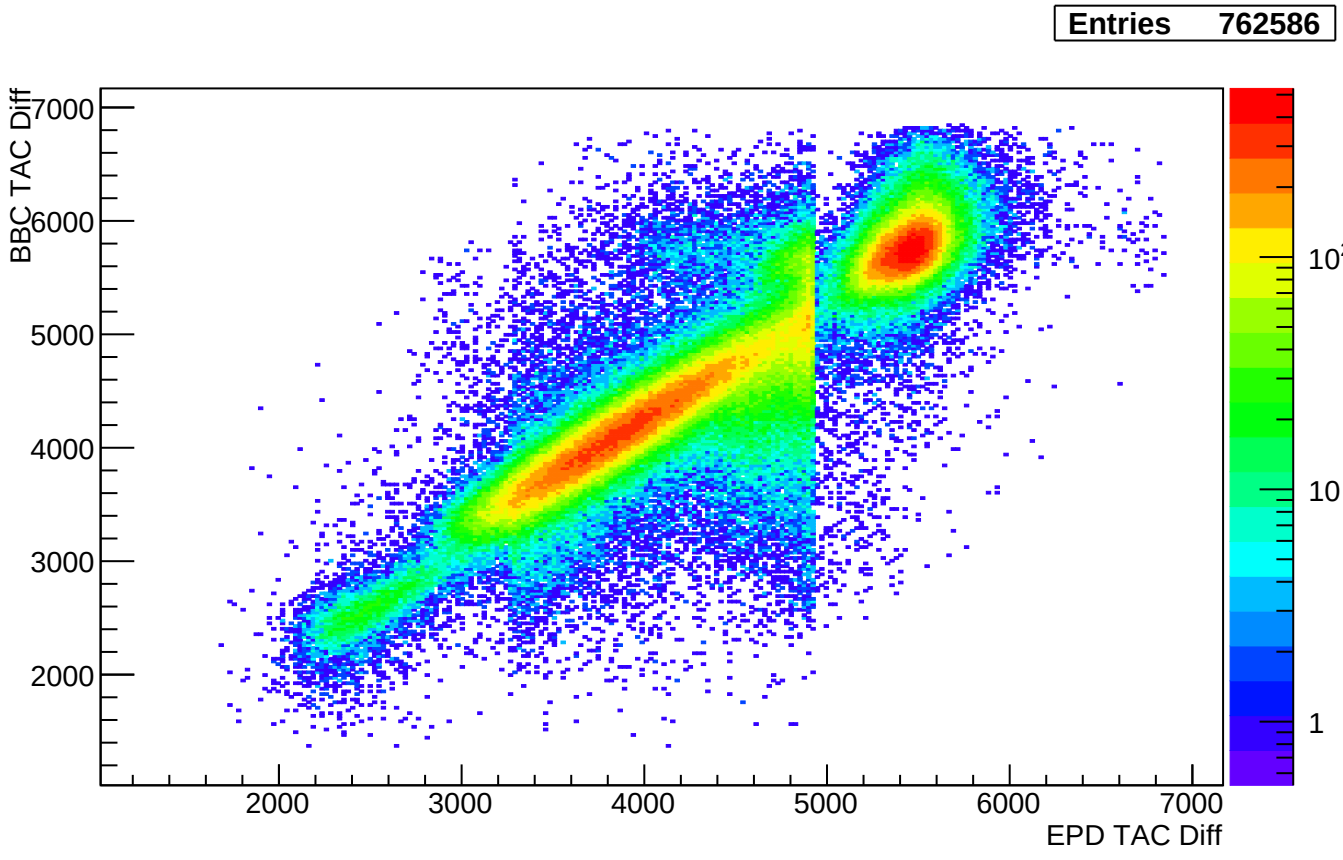

Entries 762586
TOF_Mult
BBC-S-West ADC Sum

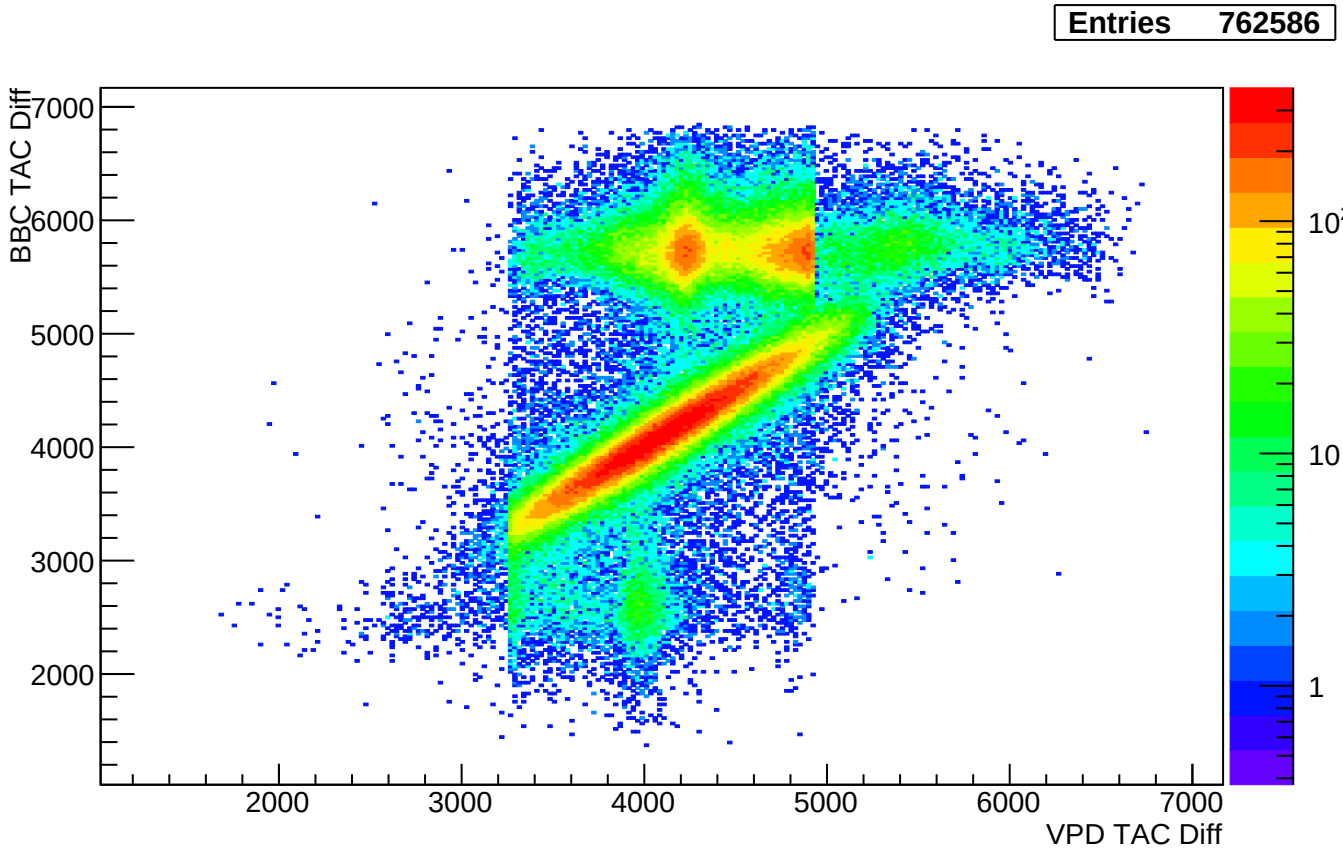

Entries 762586
TOF_Mult
EPD-East Hit Cnt

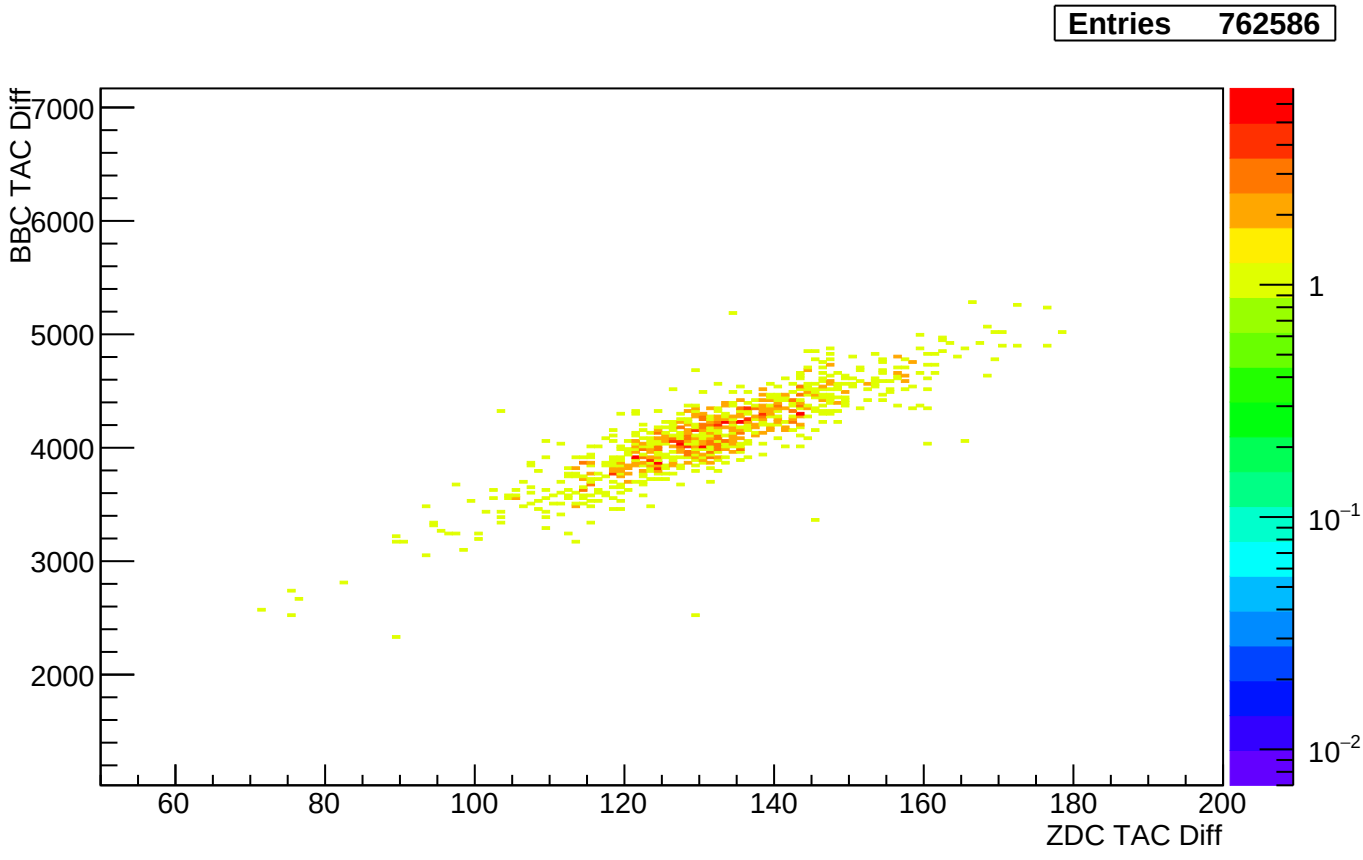

Entries 762586
TOF_Mult
EPD-West Hit Cnt

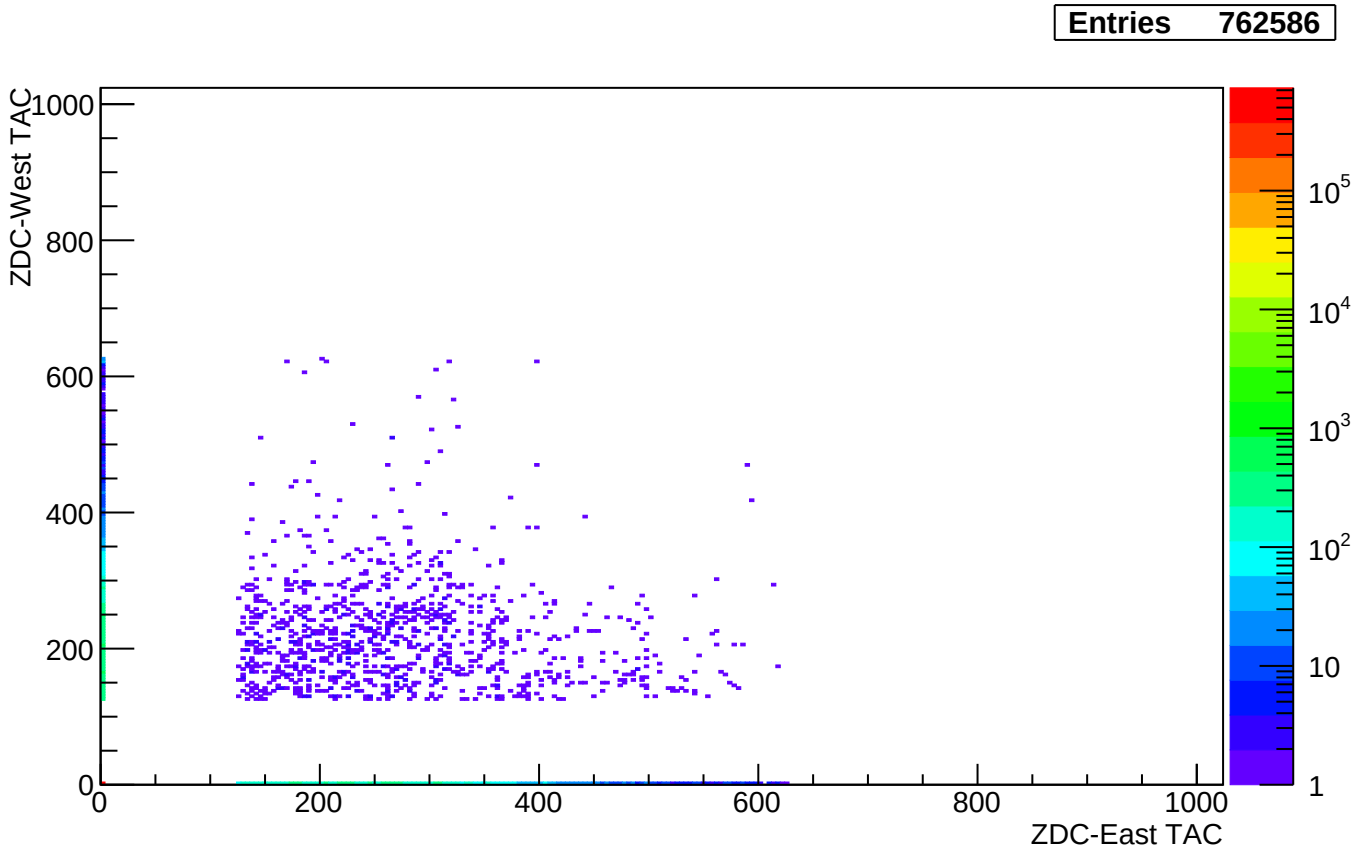

Entries 762586
TOF_Mult
VPD-East ADC Sum

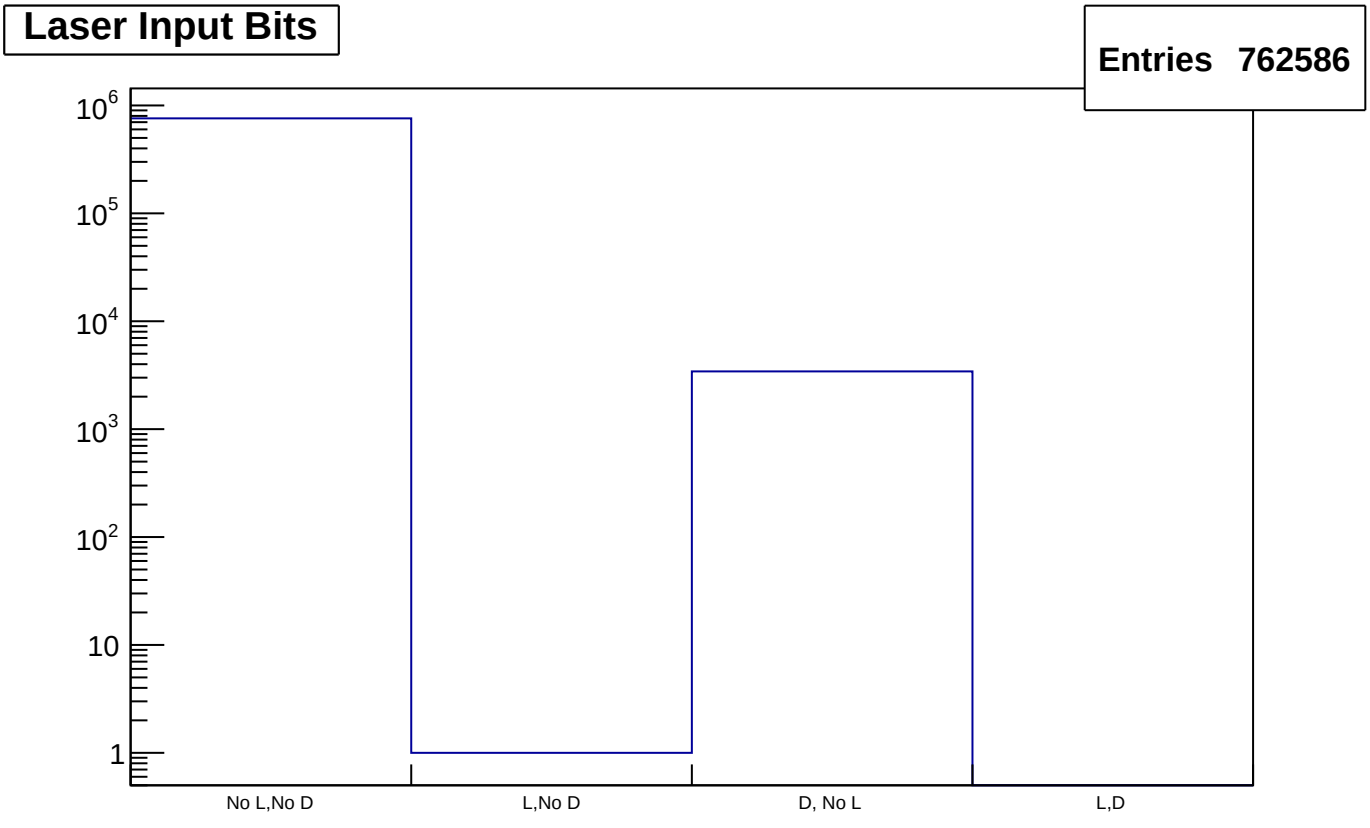

Entries 762586
TOF_Mult
VPD-West ADC Sum

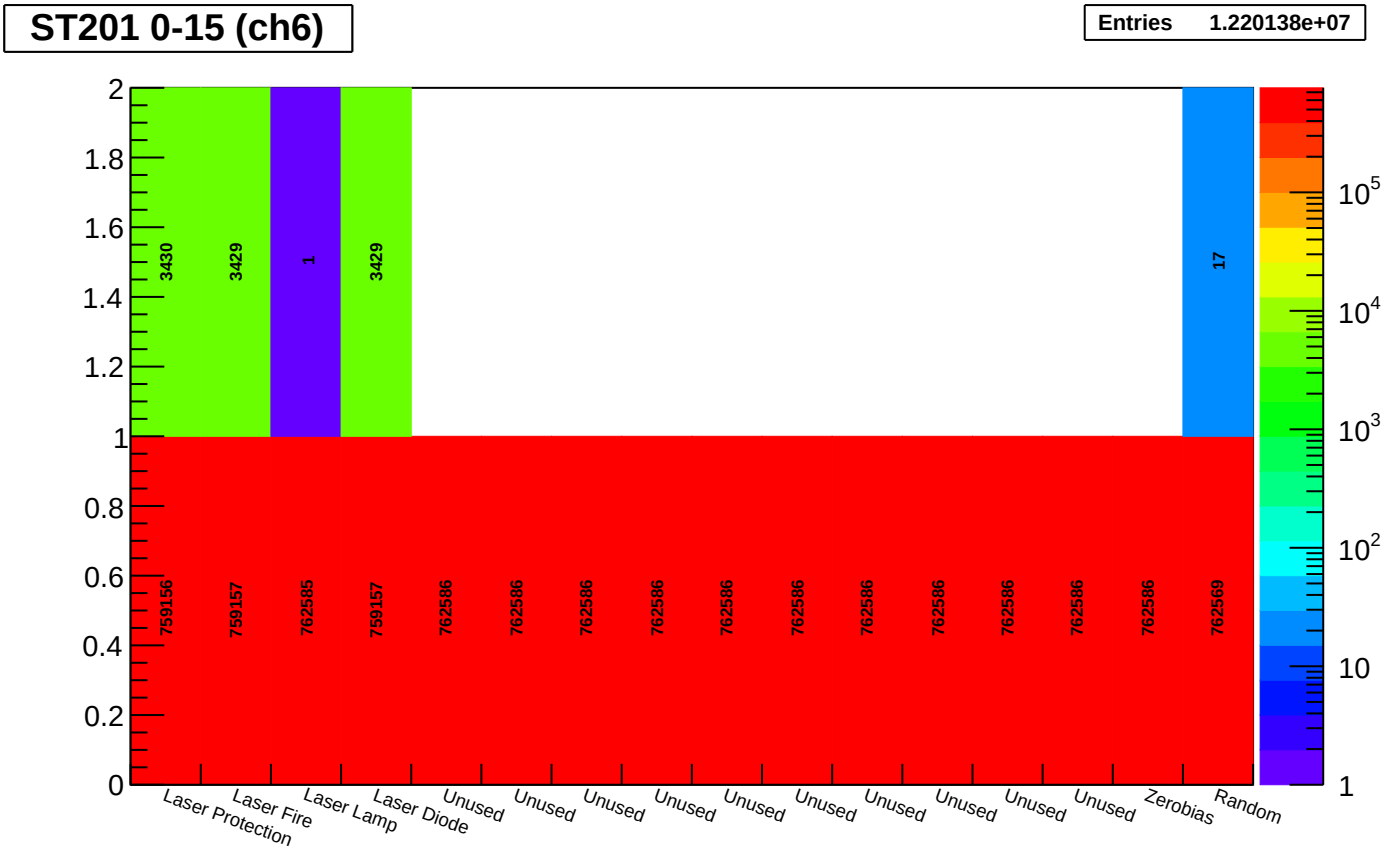

Entries 762586
BBC TAC Diff
EPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
$10^2$


Entries 762586
BBC TAC Diff
VPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
$10^2$

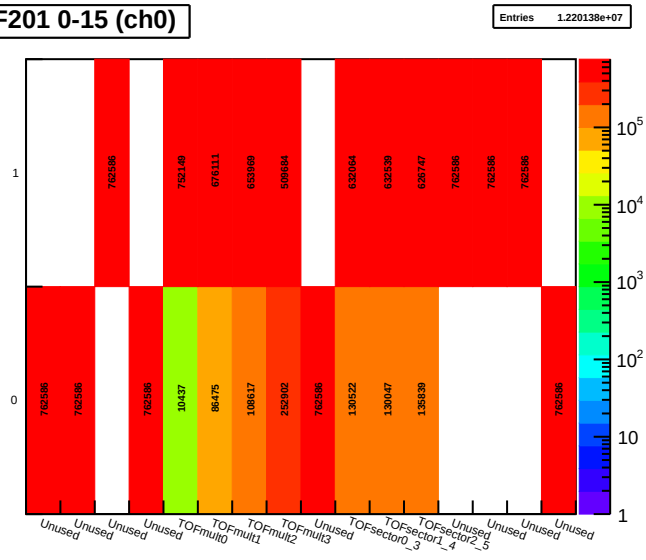

Entries 762586
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
$10^{-1}$
$10^{-2}$


Entries 762586
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

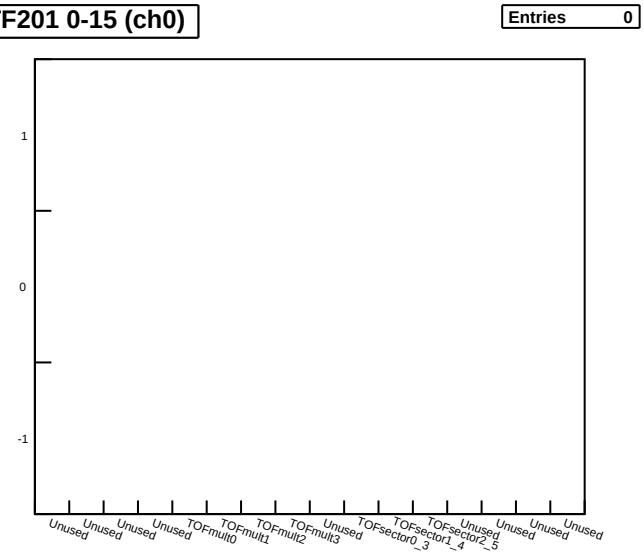

Laser Input Bits
Entries 762586
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 1.220138e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3430
3429
1
3429
17
759156
759157
762585
759157
762586
762586
762586
762586
762586
762586
762586
762586
762586
762586
762586
762569
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

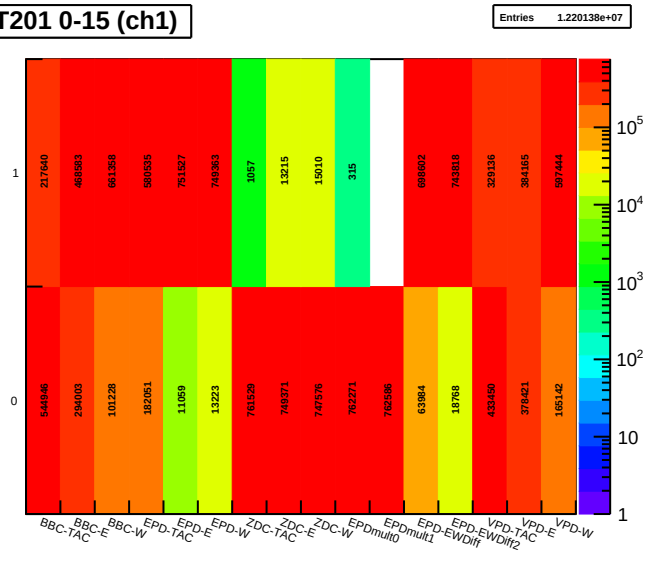
## TF201 0-15 (ch0)



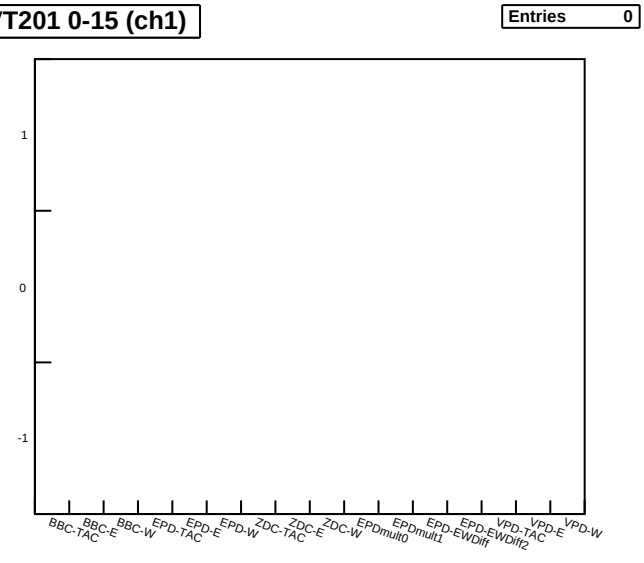

## TF201 0-15 (ch0)



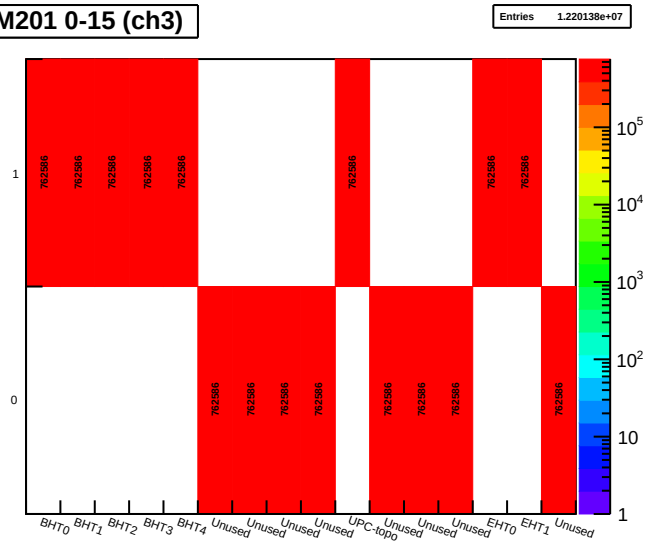

## VT201 0-15 (ch1)




## VT201 0-15 (ch1)




## EM201 0-15 (ch3)


Entries 1.220138e+07
1
0
762586
762586
762586
762586
762586
762586
762586