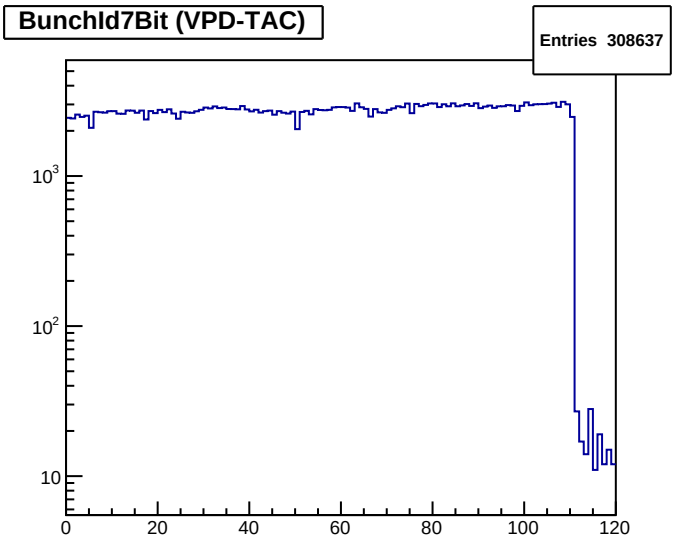
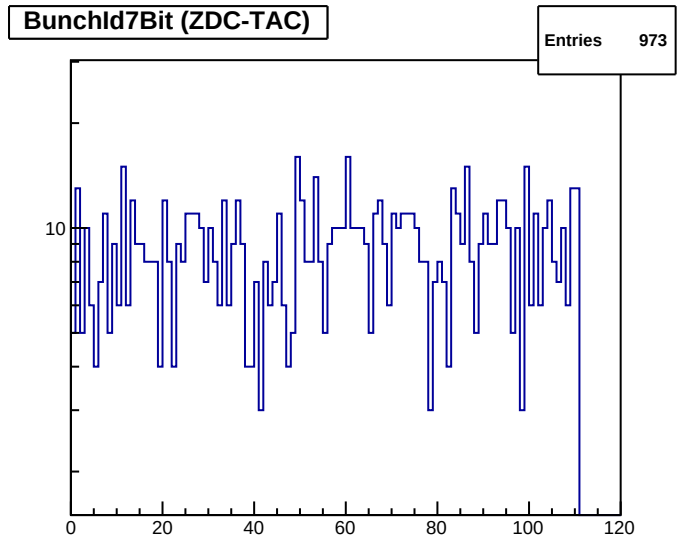
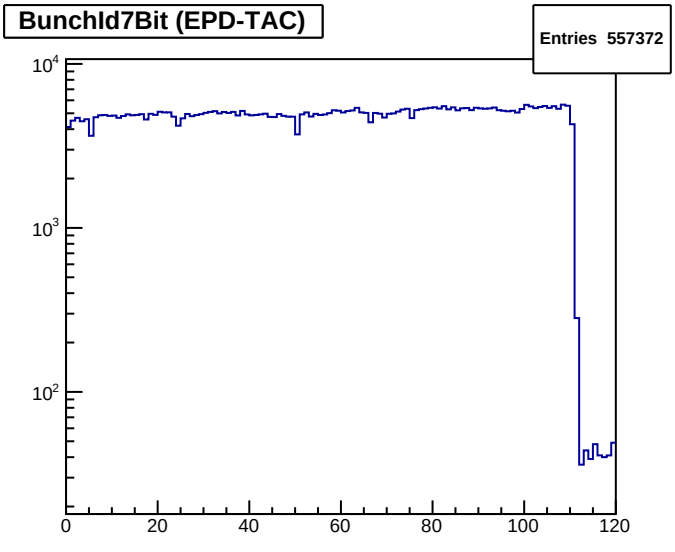
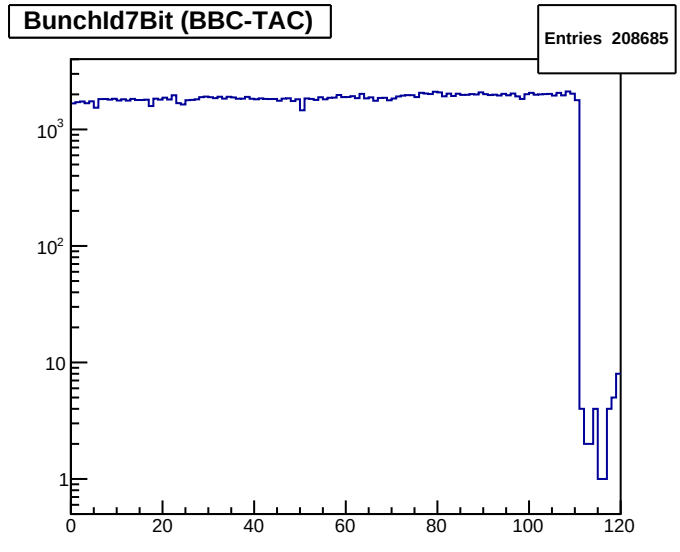
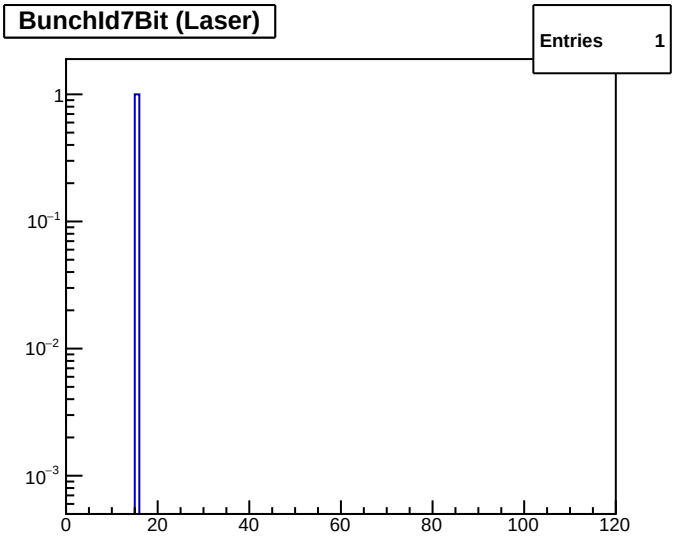
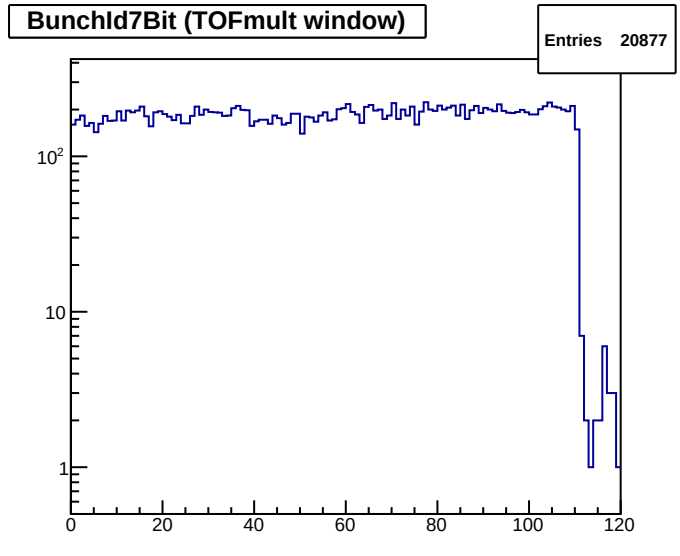

BunchId7Bit (VPD-TAC)
Entries 308637
10^3
10^2
10
0 20 40 60 80 100 120

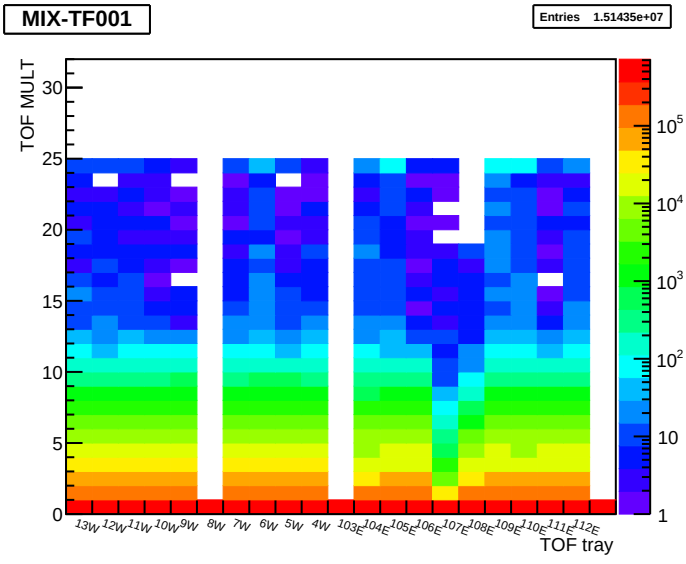

BunchId7Bit (ZDC-TAC)
Entries 973
10
0 20 40 60 80 100 120

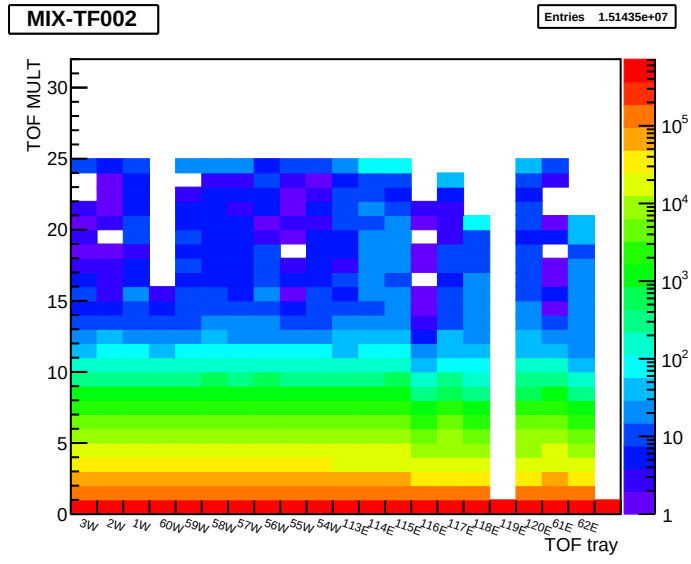

BunchId7Bit (EPD-TAC)
Entries 557372
10^4
10^3
10^2
0 20 40 60 80 100 120

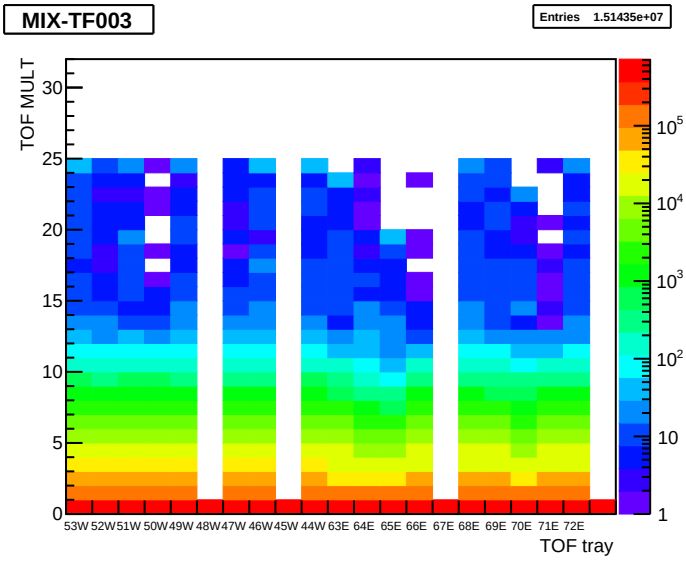

BunchId7Bit (BBC-TAC)
Entries 208685
10^3
10^2
10
1
0 20 40 60 80 100 120

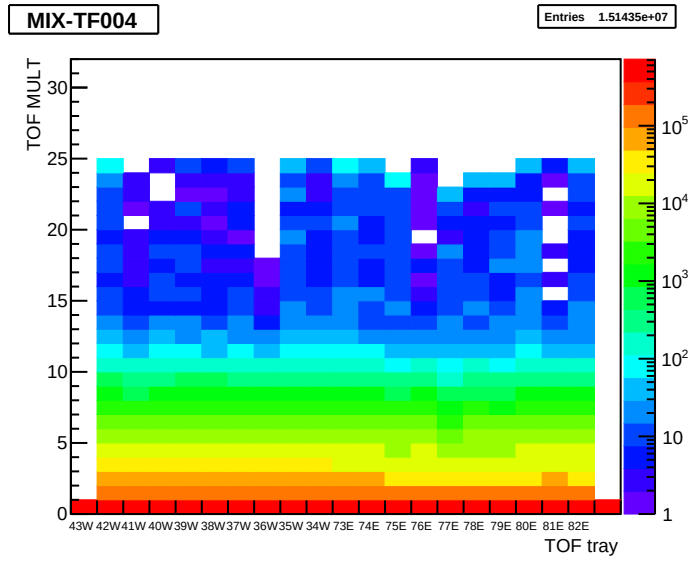

BunchId7Bit (Laser)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

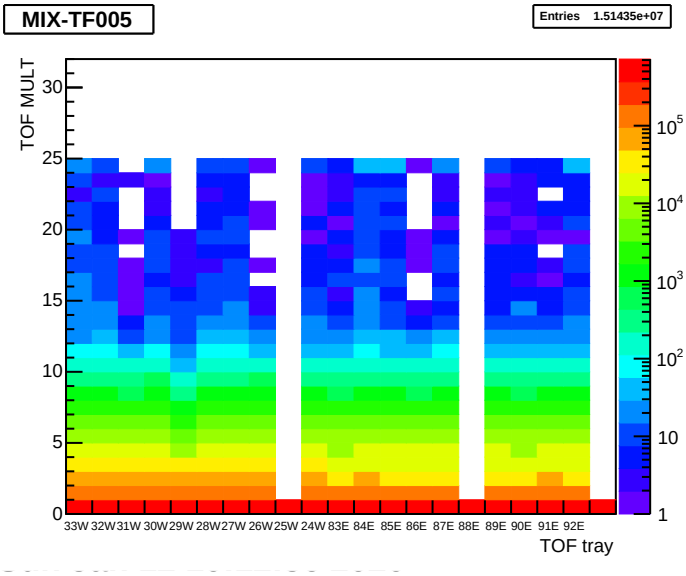

BunchId7Bit (TOFmult window)
Entries 20877
10^2
10
1
0 20 40 60 80 100 120

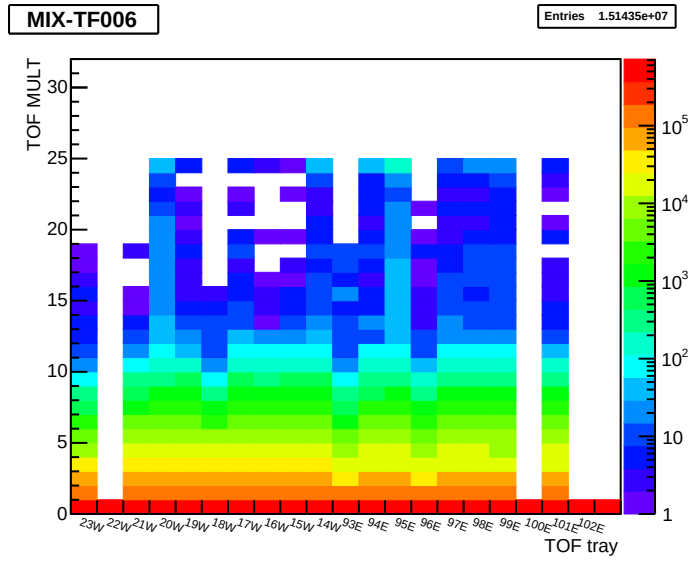

MIX-TF001
Entries 1.51435e+07
TOF MULT
TOF tray

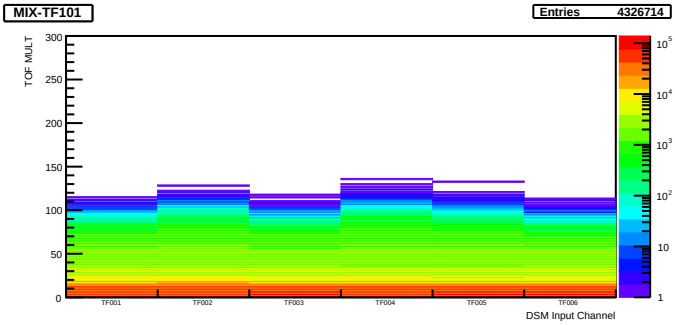

MIX-TF002
Entries 1.51435e+07
TOF MULT
TOF tray

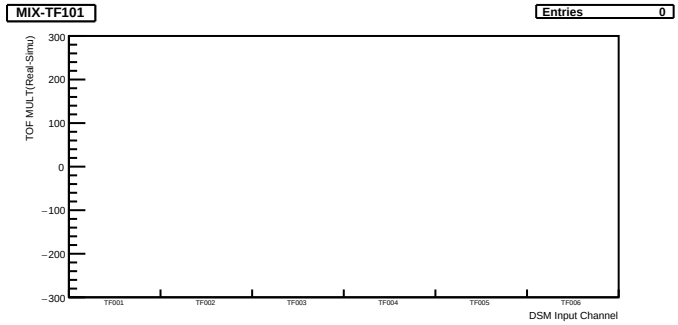

MIX-TF003
Entries 1.51435e+07
TOF MULT
TOF tray

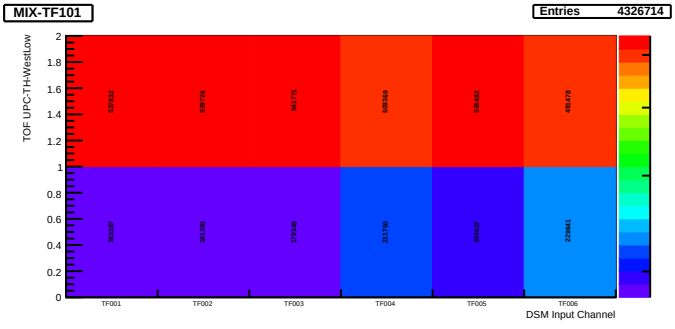

MIX-TF004
Entries 1.51435e+07
TOF MULT
TOF tray

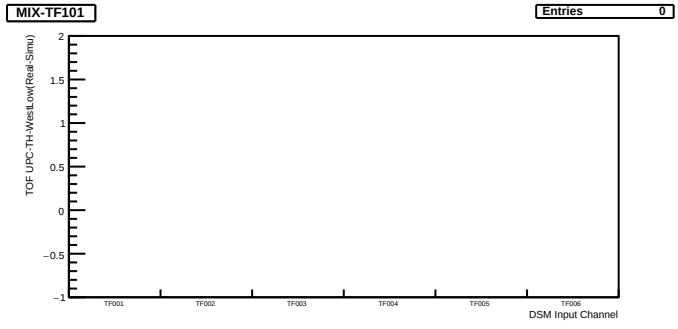

MIX-TF005
Entries 1.51435e+07
TOF MULT
TOF tray

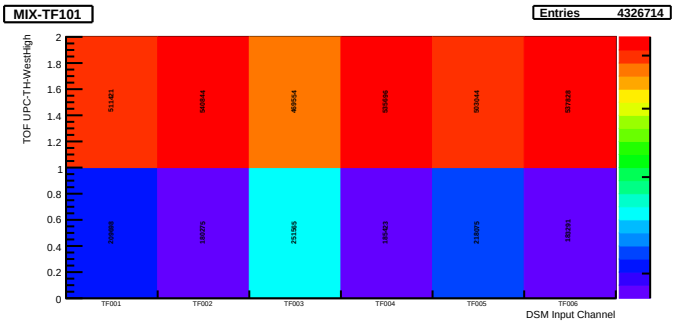

MIX-TF006
Entries 1.51435e+07
TOF MULT
TOF tray

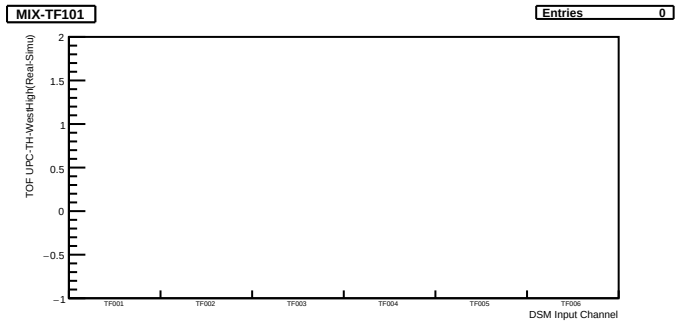

MIX-TF101
Entries 4326714
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

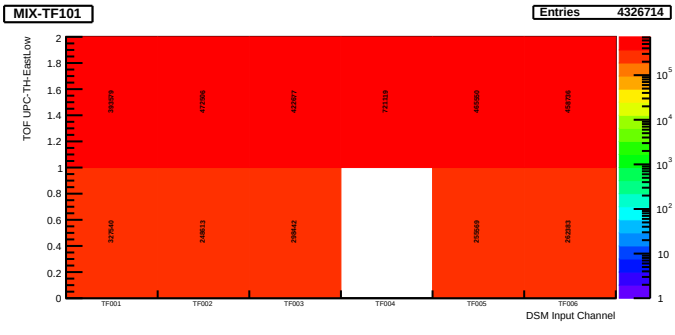

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

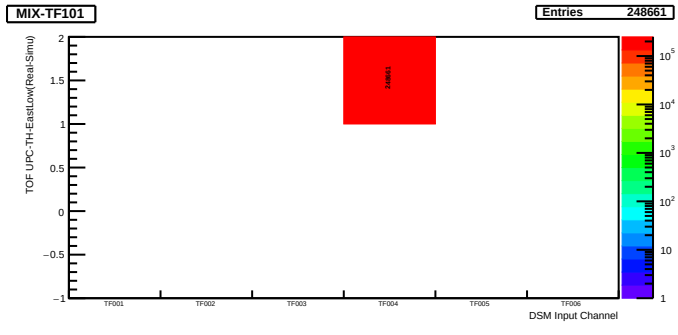

MIX-TF101
Entries 4326714
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

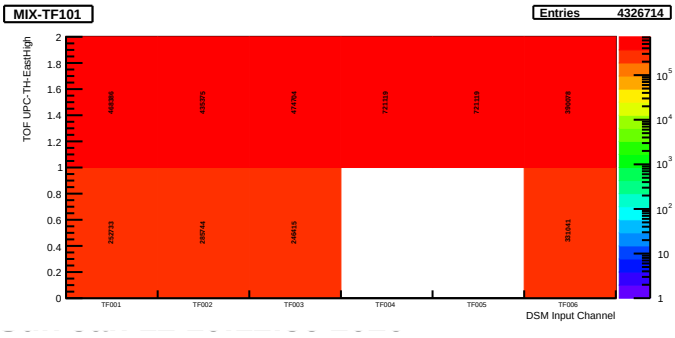

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

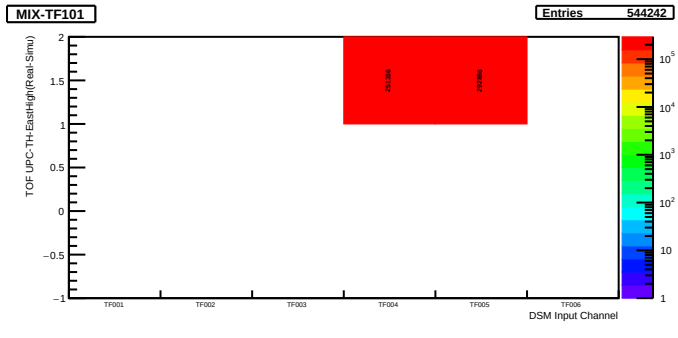

MIX-TF101
Entries 4326714
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

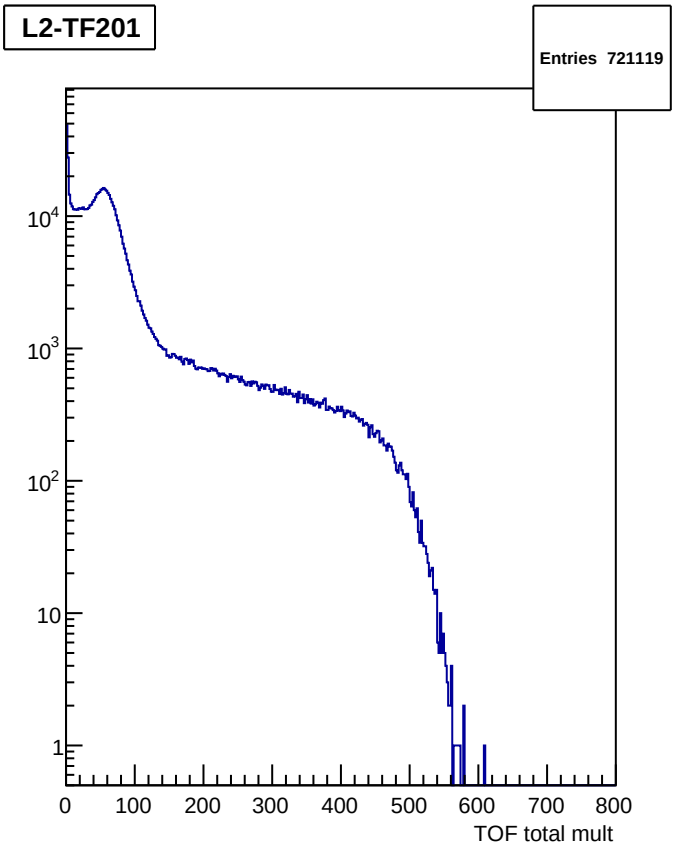

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

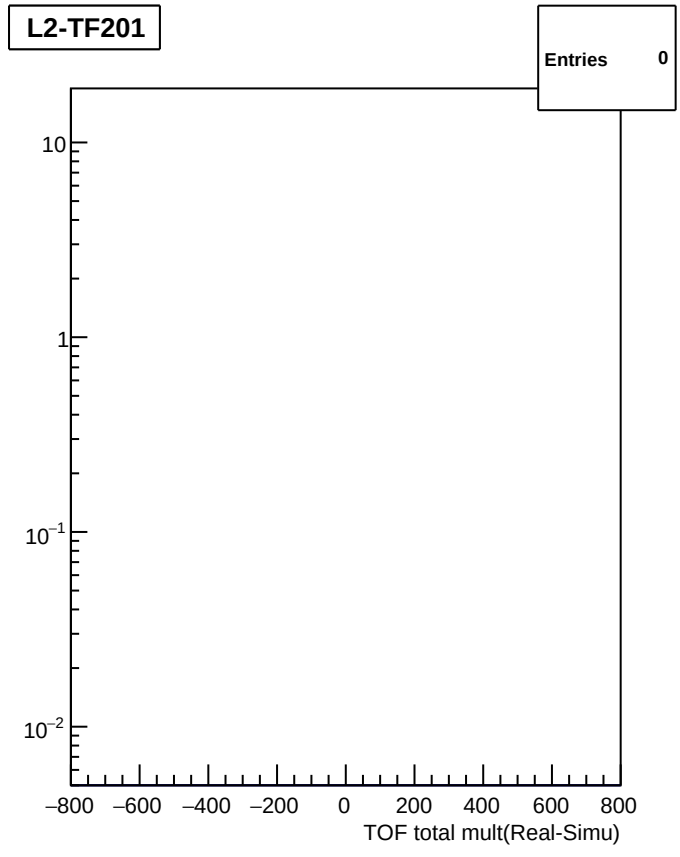

MIX-TF101
Entries 4326714
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

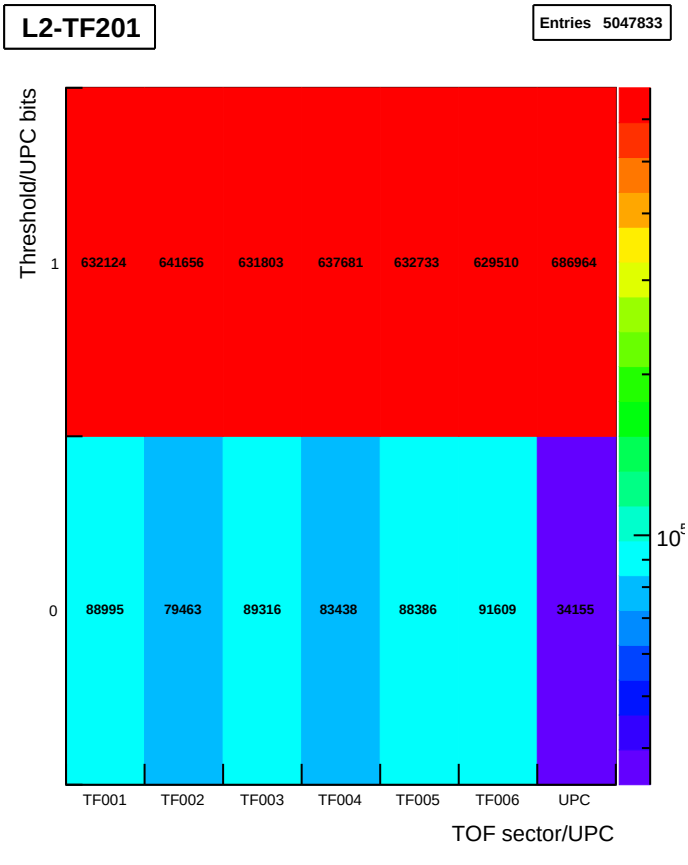

MIX-TF101
Entries 248661
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

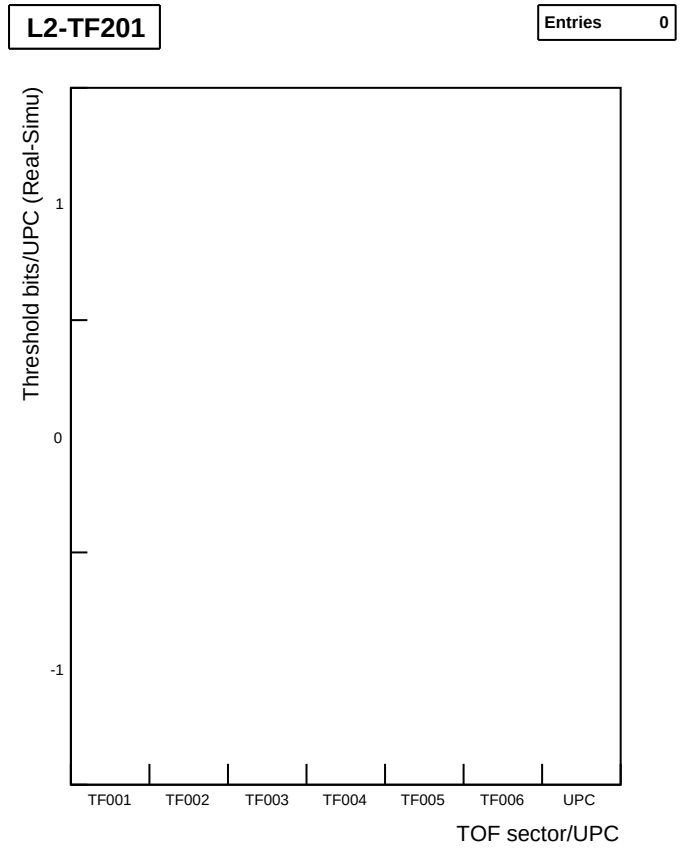

MIX-TF101
Entries 4326714
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

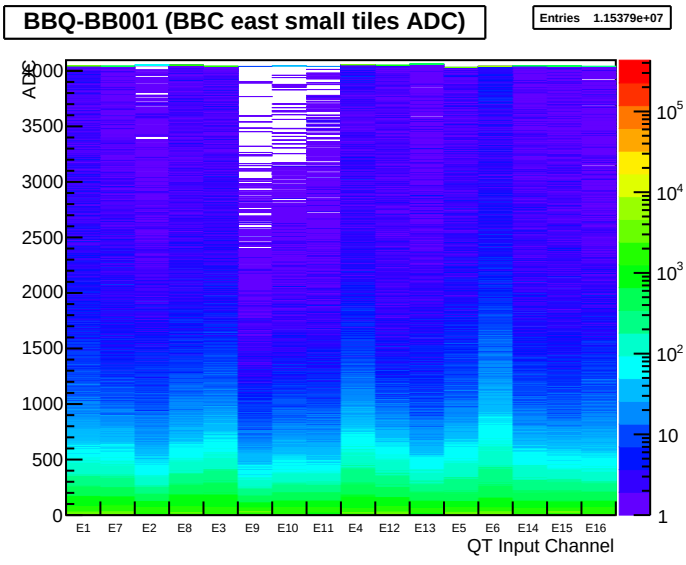

MIX-TF101
Entries 544242
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

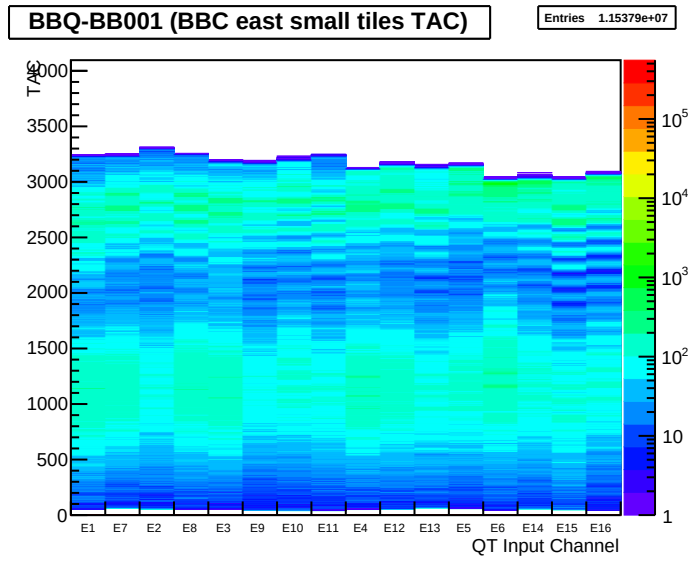

L2-TF201
Entries 721119
TOF total mult

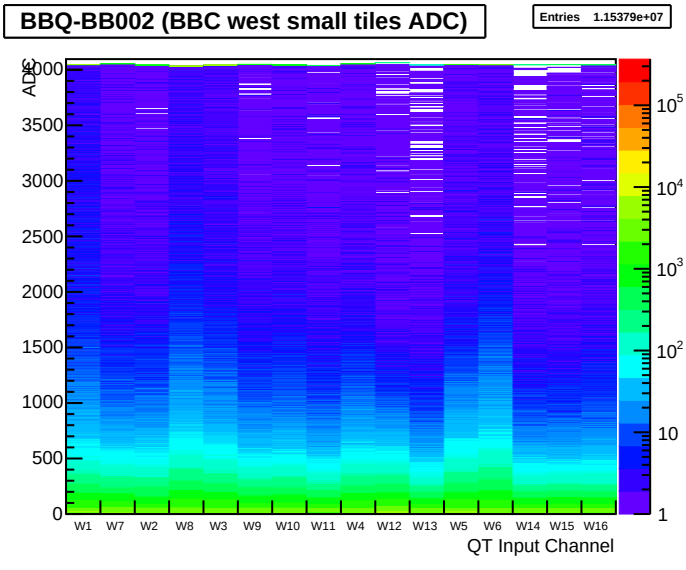

L2-TF201
Entries 0
TOF total mult(Real-Simu)

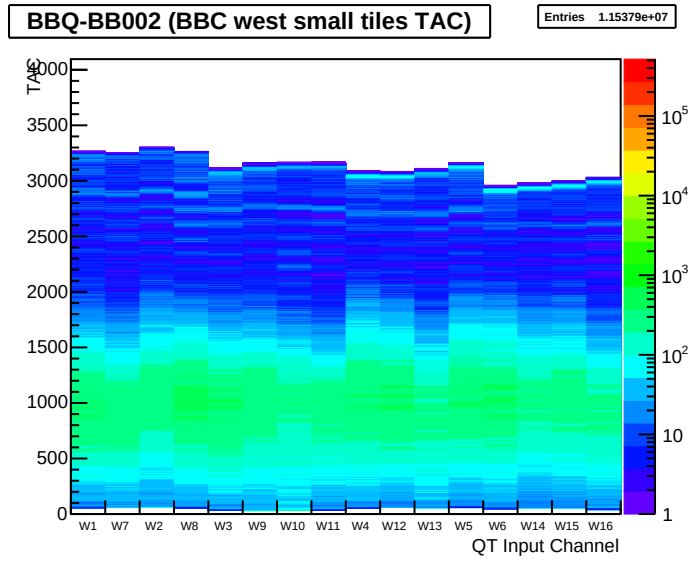

L2-TF201
Entries 5047833
Threshold/UPC bits
632124
641656
631803
637681
632733
629510
686964
88995
79463
89316
83438
88386
91609
34155
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

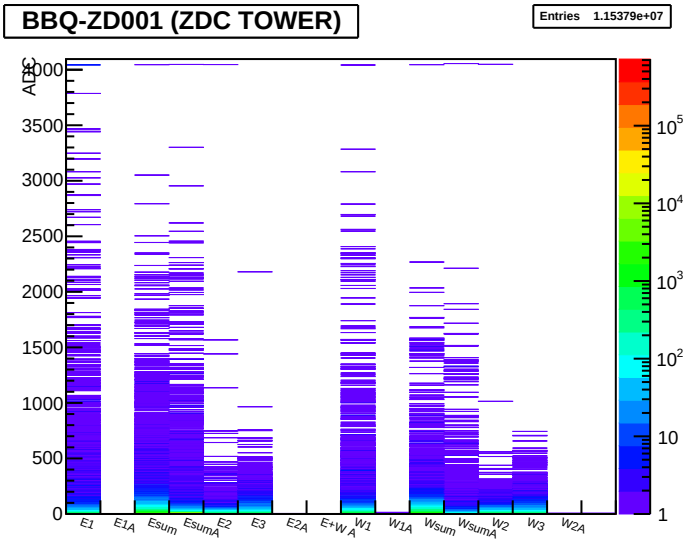

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

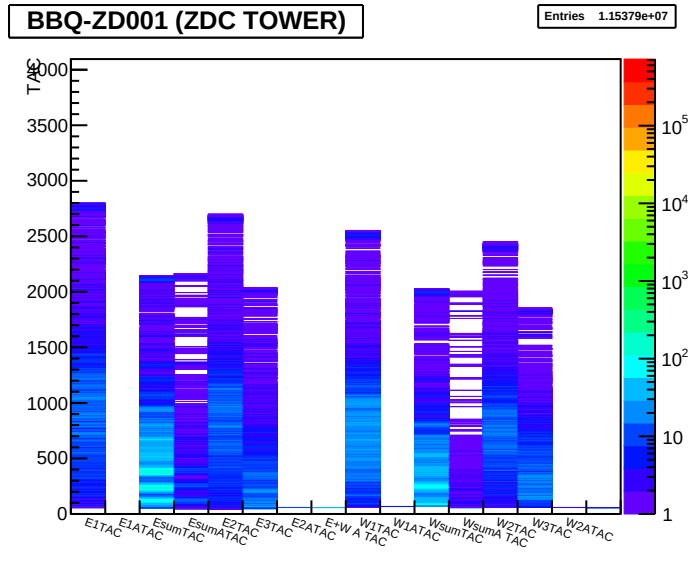

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.15379e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

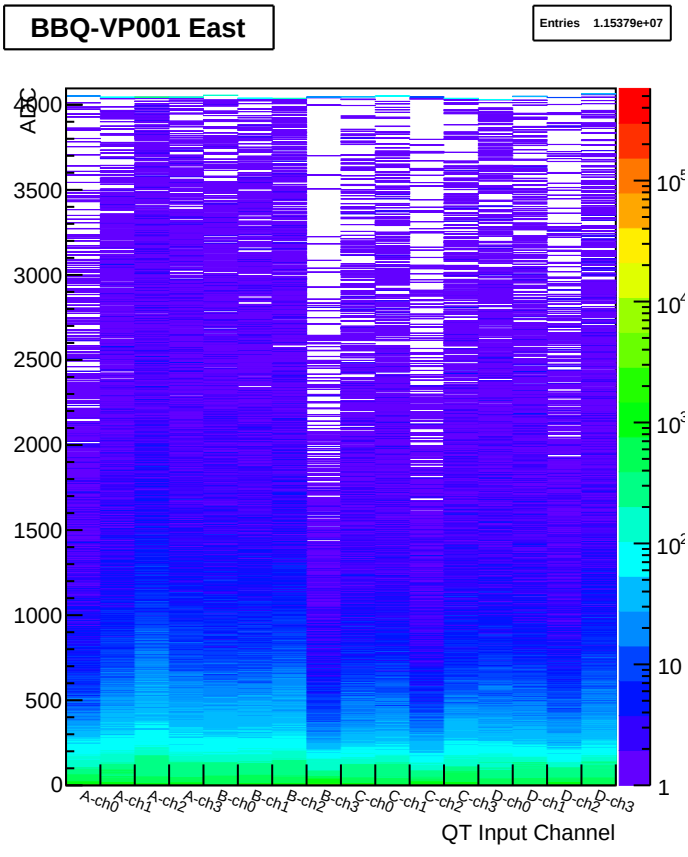

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.15379e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

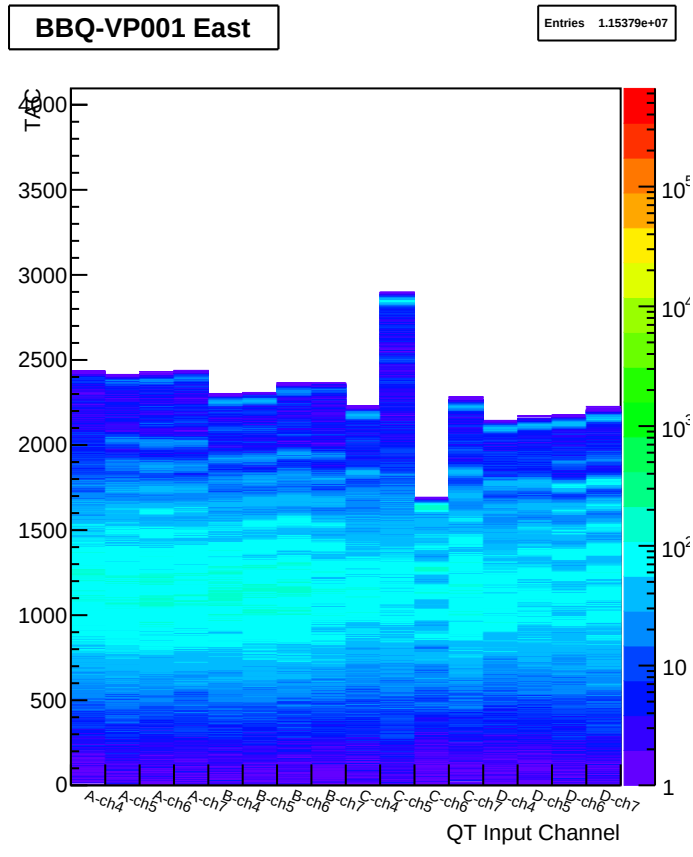

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.15379e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

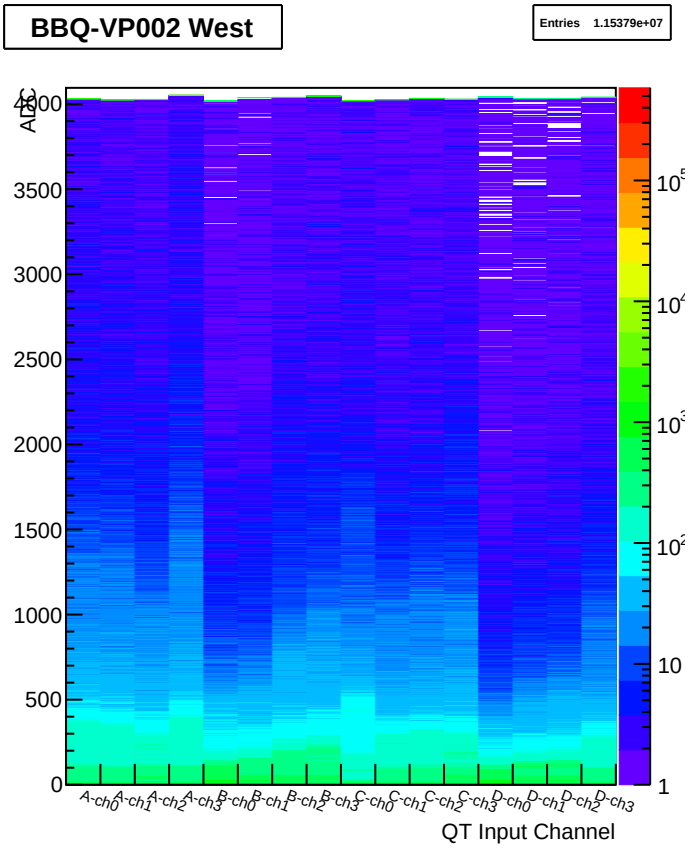

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.15379e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

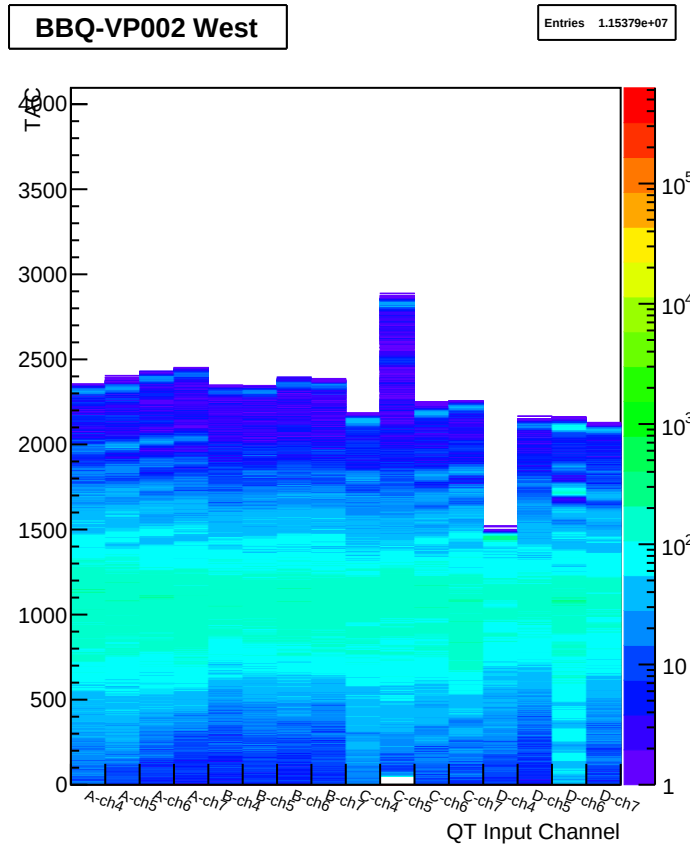

BBQ-ZD001 (ZDC TOWER)
Entries 1.15379e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

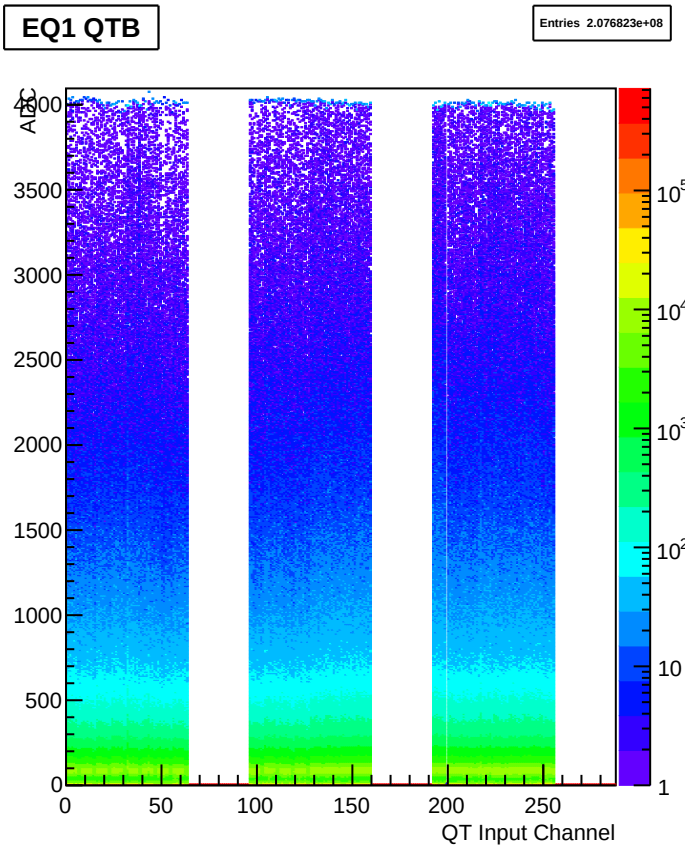

BBQ-ZD001 (ZDC TOWER)
Entries 1.15379e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

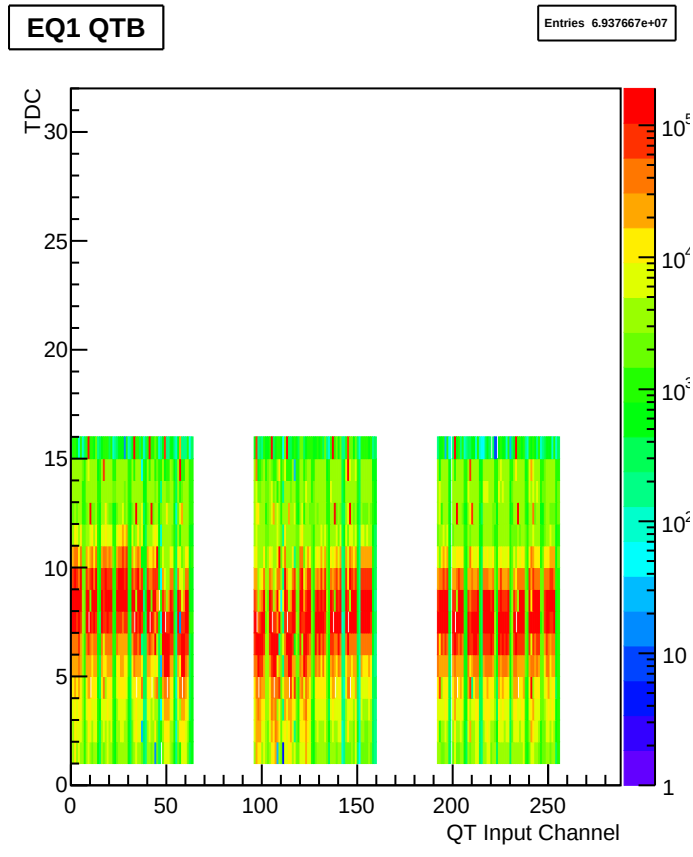

BBQ-VP001 East
Entries 1.15379e+07
ADC
QT Input Channel

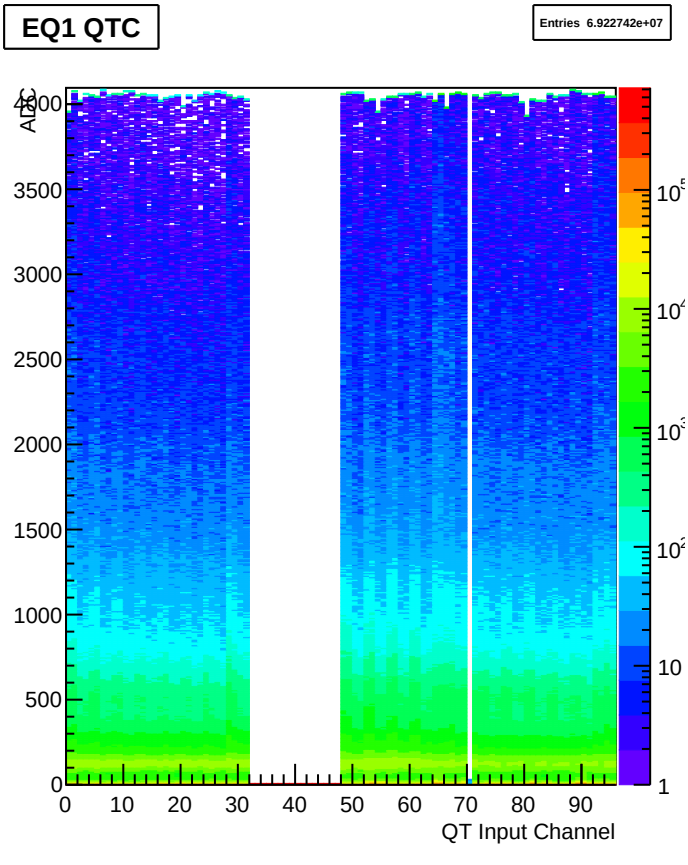

BBQ-VP001 East
Entries 1.15379e+07
ADC
QT Input Channel

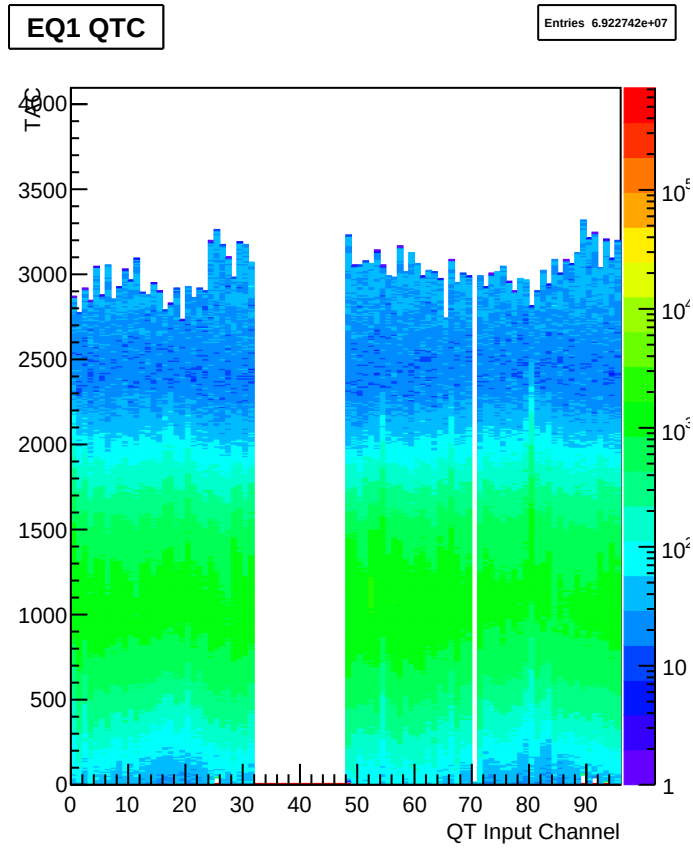

BBQ-VP002 West
Entries 1.15379e+07
ADC
QT Input Channel

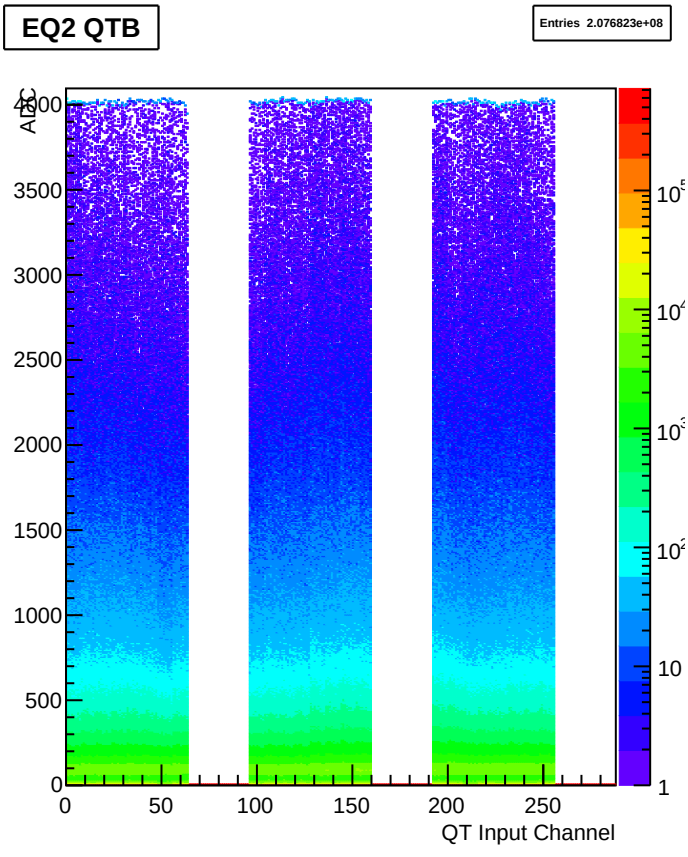

BBQ-VP002 West
Entries 1.15379e+07
ADC
QT Input Channel

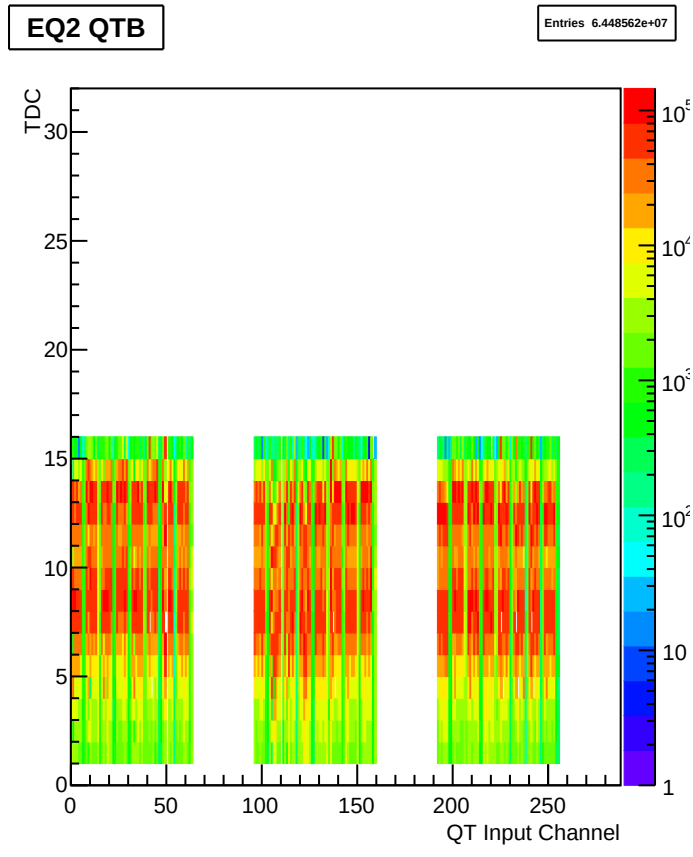

EQ1 QTB
Entries 2.076823e+08
ADC
QT Input Channel

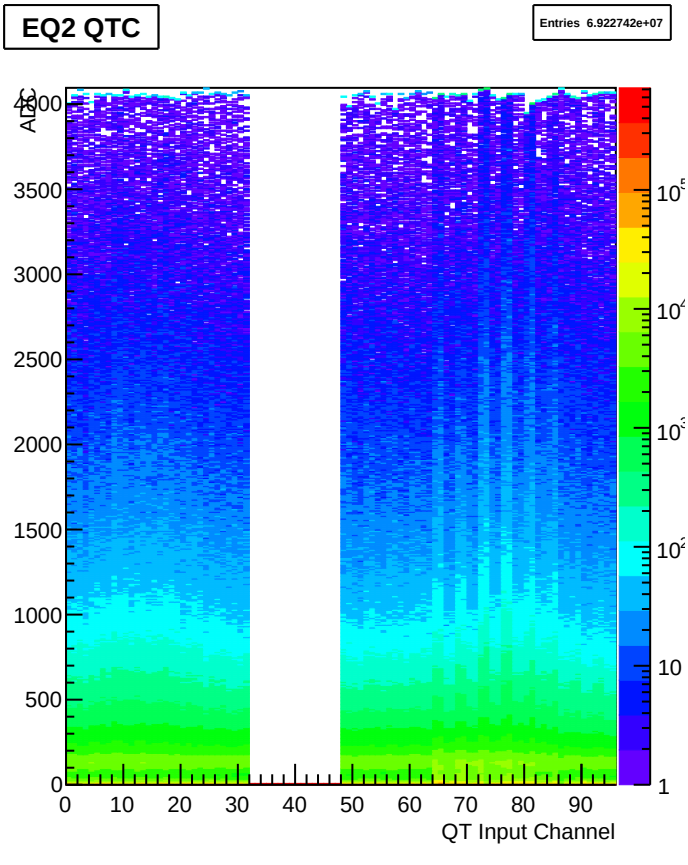

EQ1 QTB
Entries 6.937667e+07
TDC
QT Input Channel

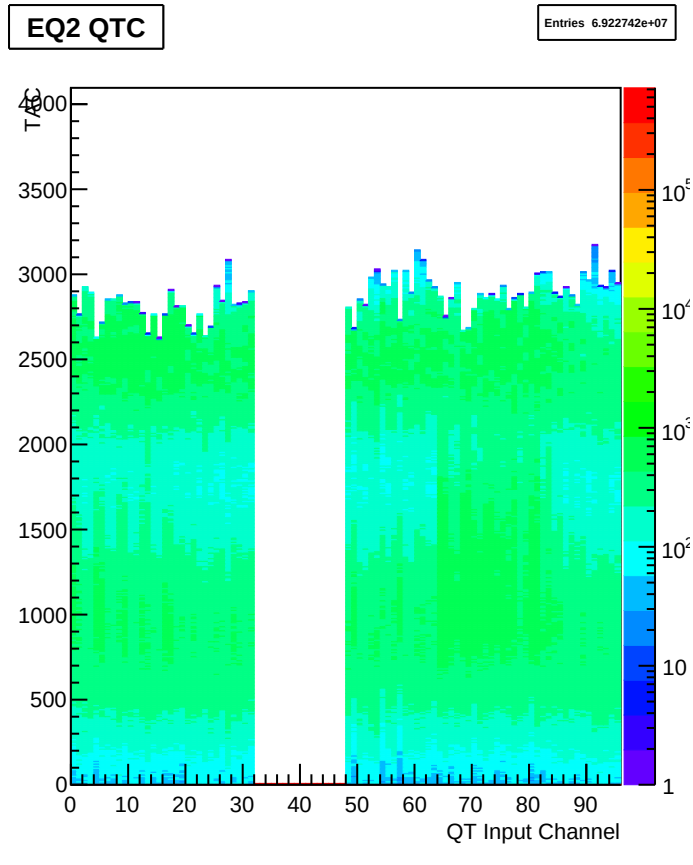

EQ1 QTC
Entries 6.922742e+07
ADC
QT Input Channel

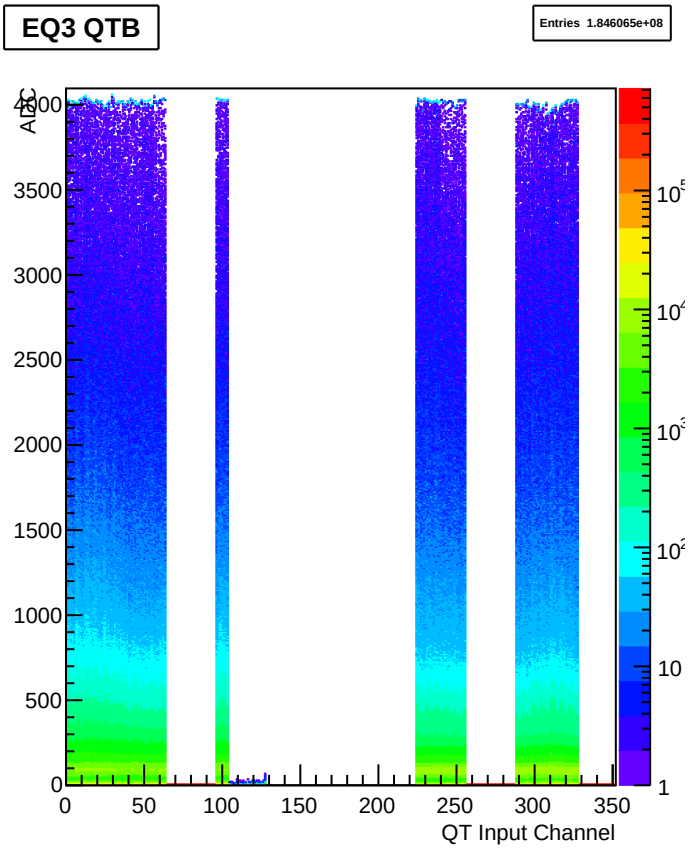

EQ1 QTC
Entries 6.922742e+07
TADC
QT Input Channel

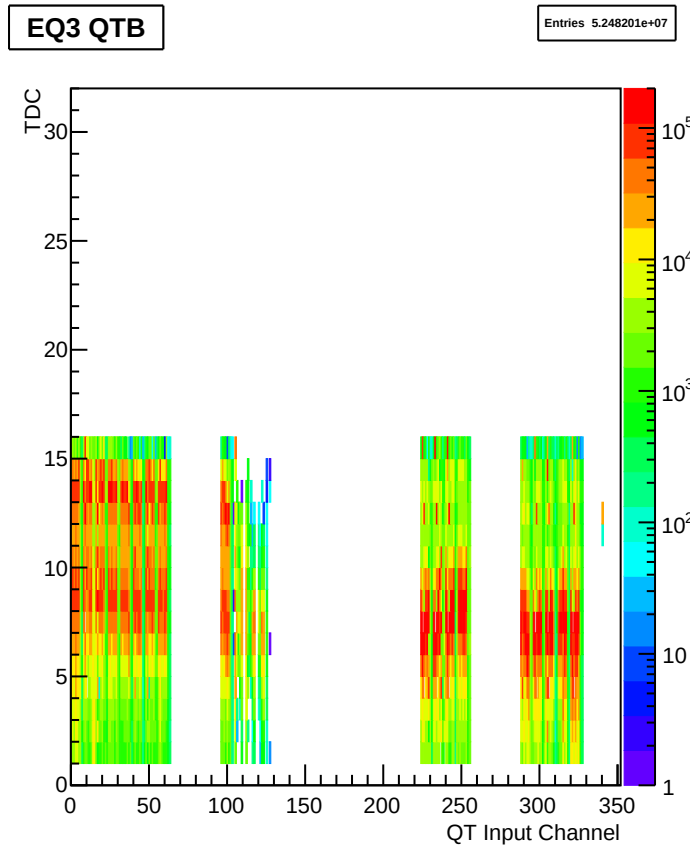

EQ2 QTB
Entries 2.076823e+08
ADC
QT Input Channel

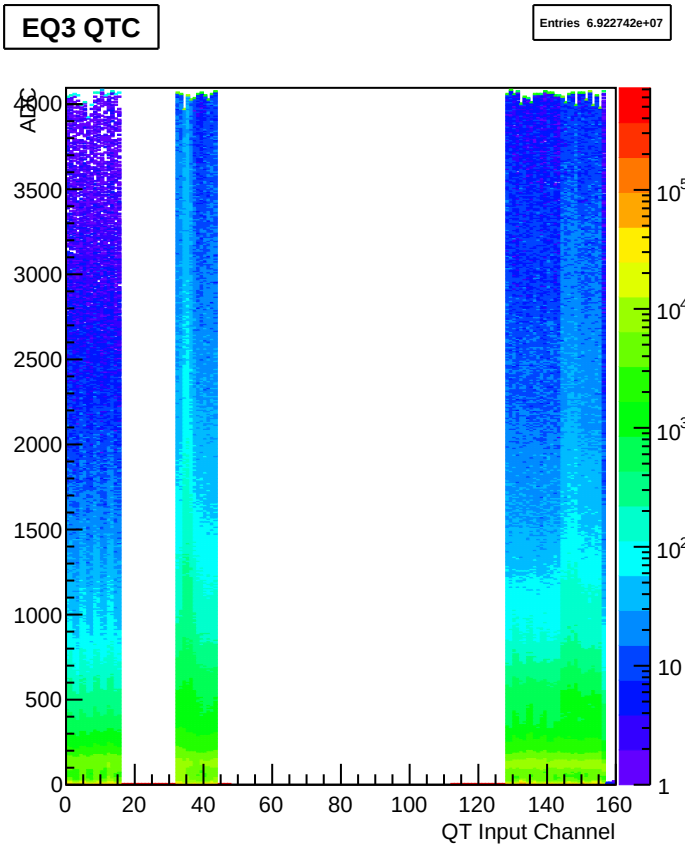

EQ2 QTB
Entries 6.448562e+07
TDC
QT Input Channel

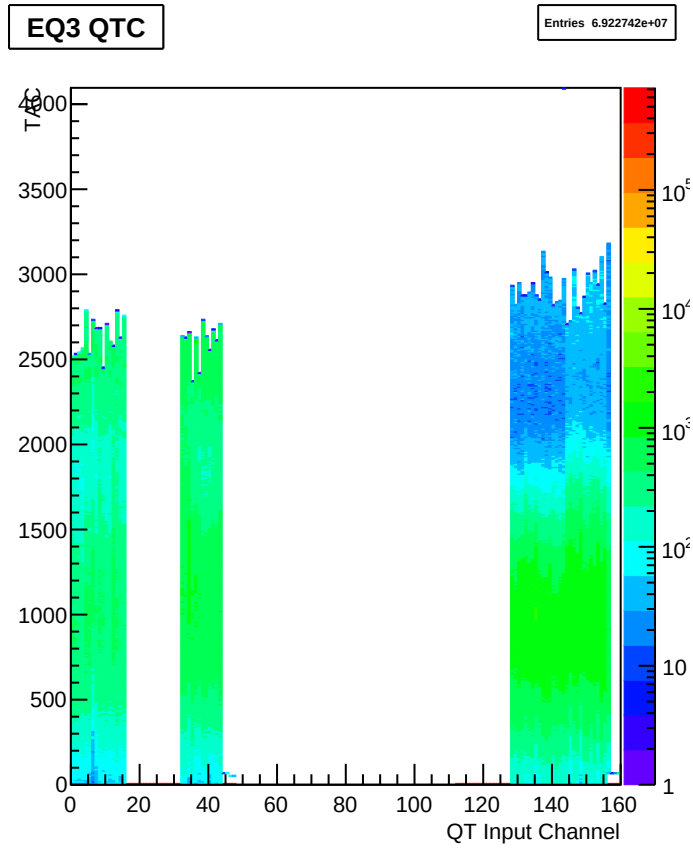

EQ2 QTC
Entries 6.922742e+07
ADC
QT Input Channel

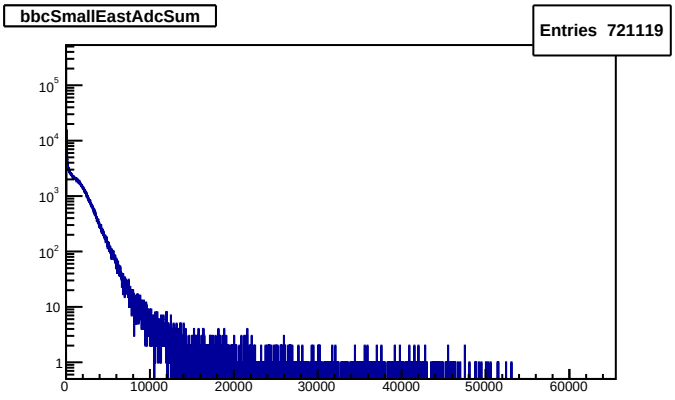

EQ2 QTC
Entries 6.922742e+07
TADC
QT Input Channel

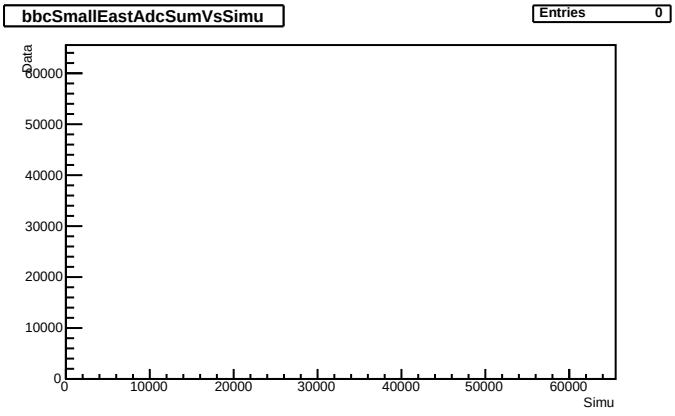

EQ3 QTB
Entries 1.846065e+08
ADC
QT Input Channel

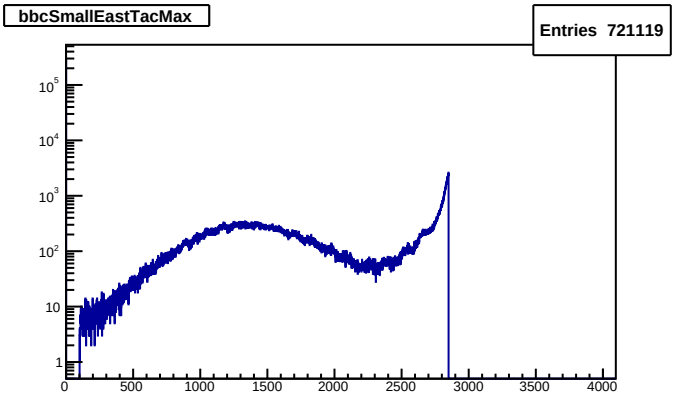

EQ3 QTB
Entries 5.248201e+07
TDC
QT Input Channel

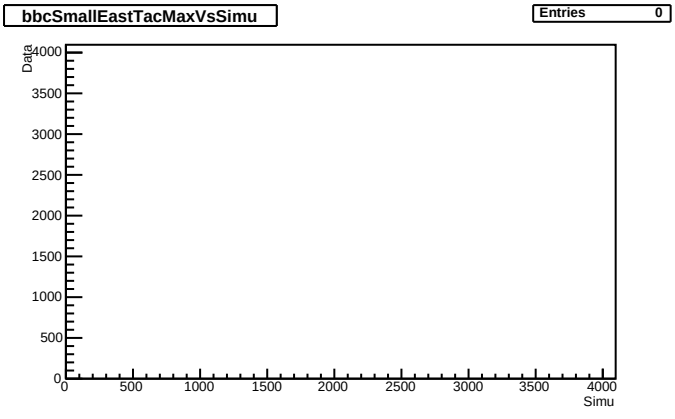

EQ3 QTC
Entries 6.922742e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.922742e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 721119


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 721119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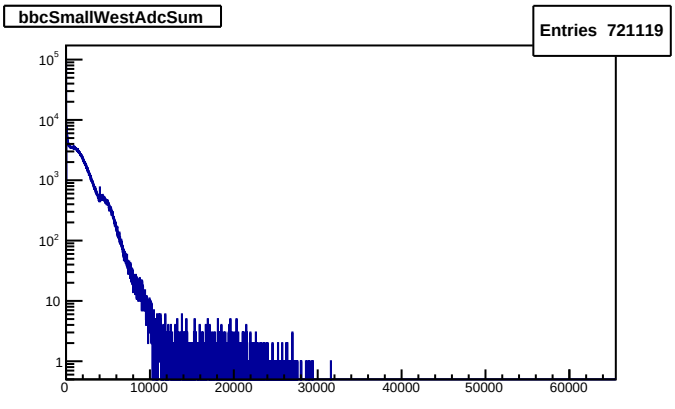
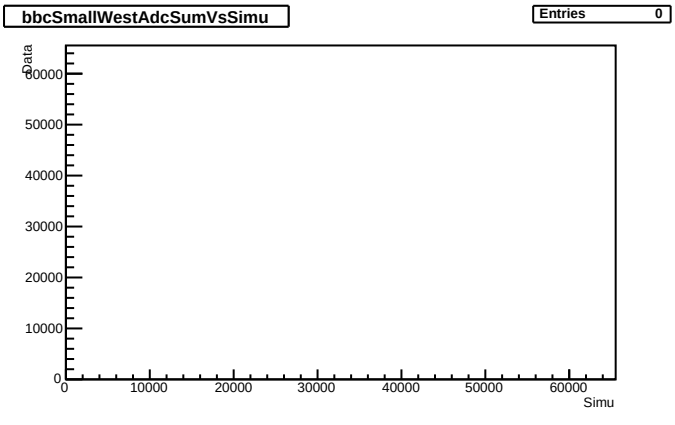
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 721119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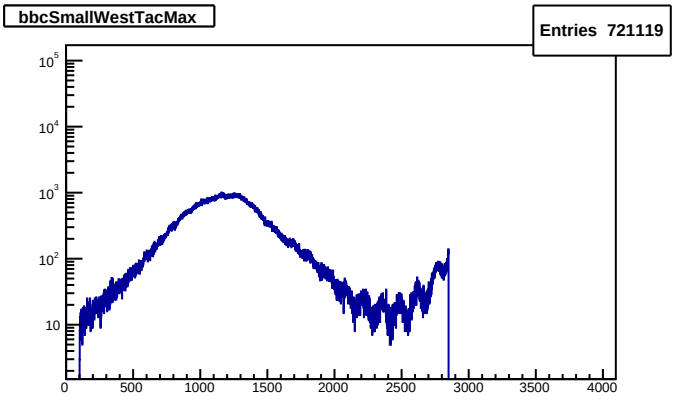
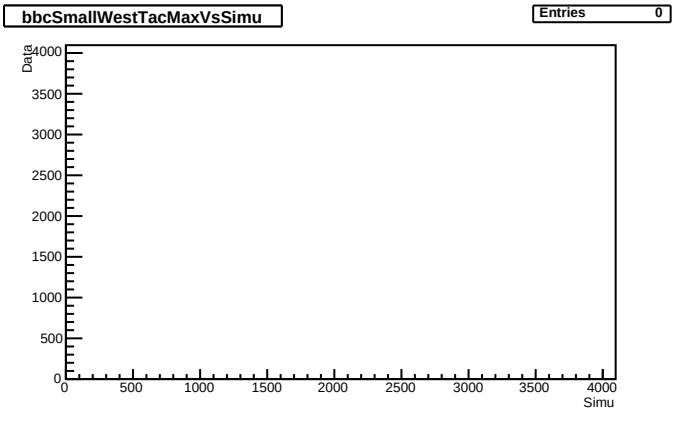
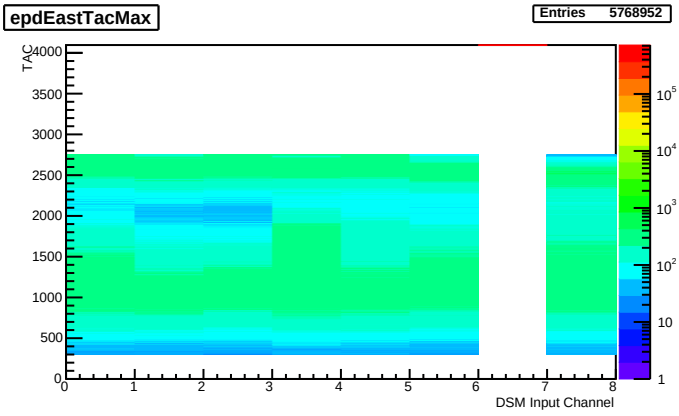
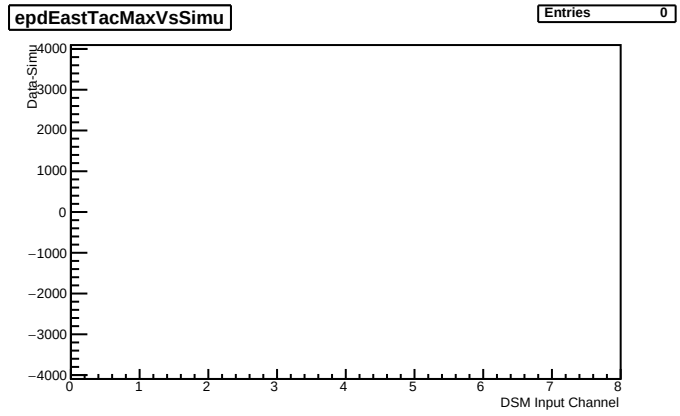
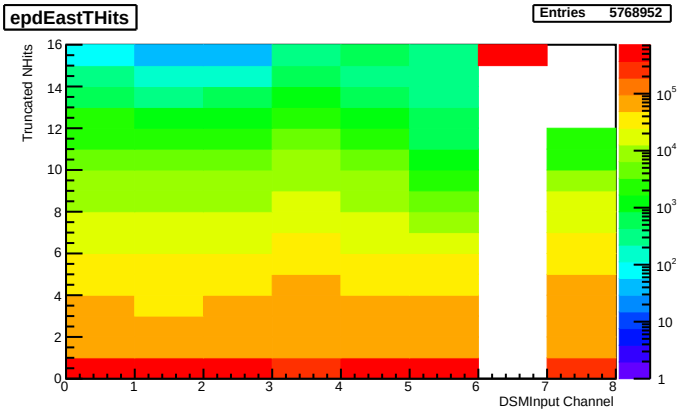
Entries 0
Data
Simu

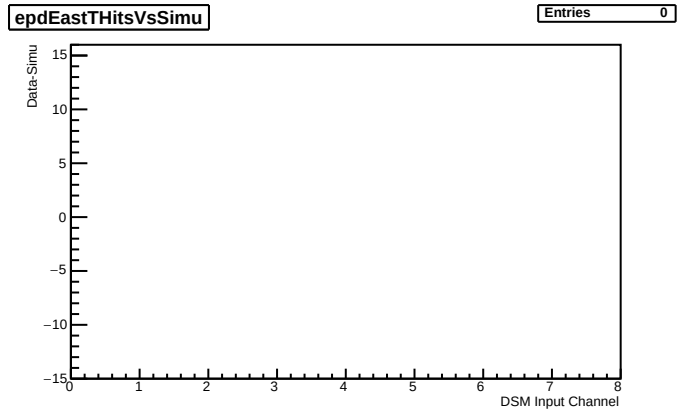

bbcSmallWestTacMax
Entries 721119


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 5768952
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5768952
Truncated NHits
DSMInput Channel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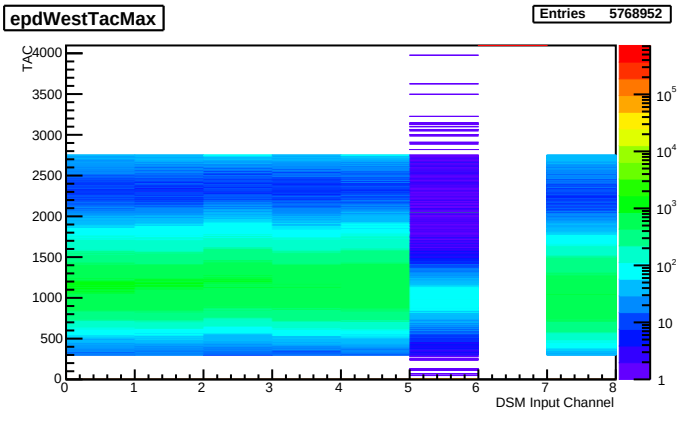
Data-Simu
DSM Input Channel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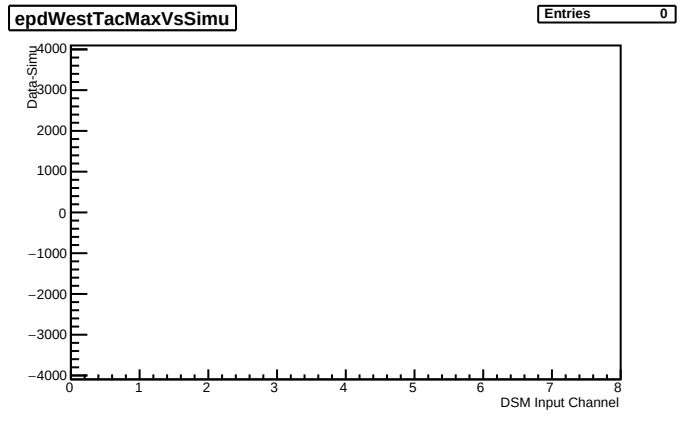
Entries 5768952
TAC
DSM Input Channel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Entries 0
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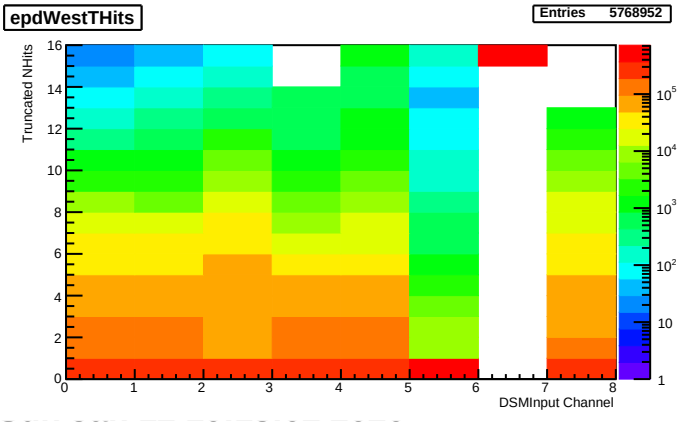
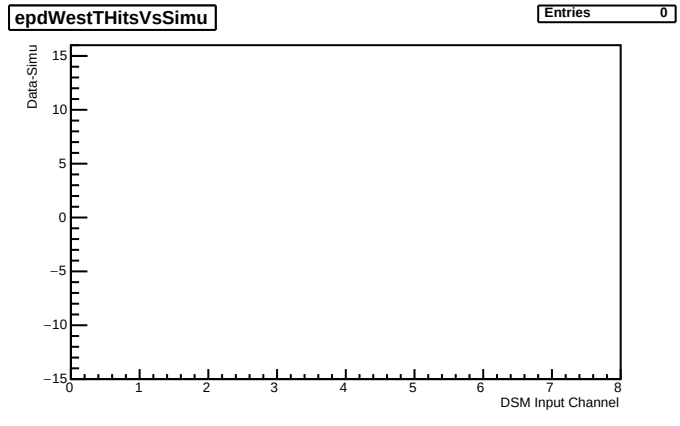
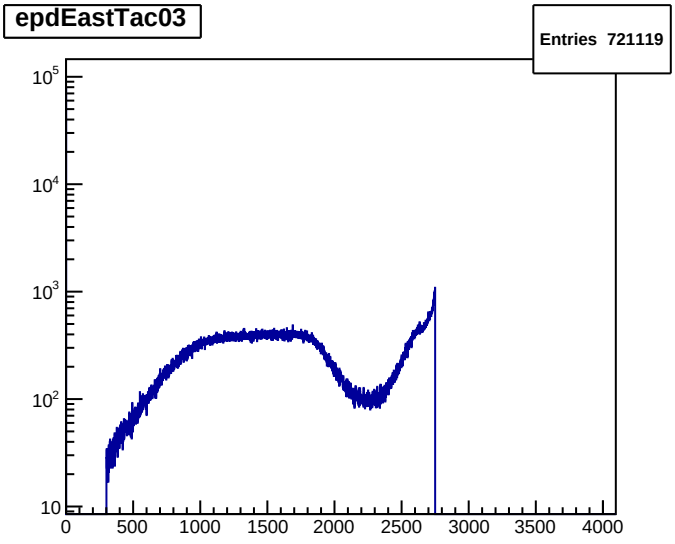
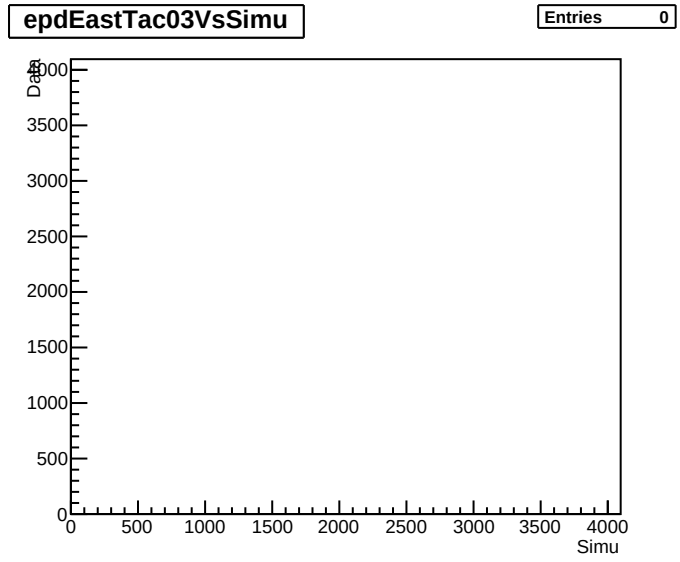
DSM Input Channel


epdWestTHits
Entries 5768952
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 721119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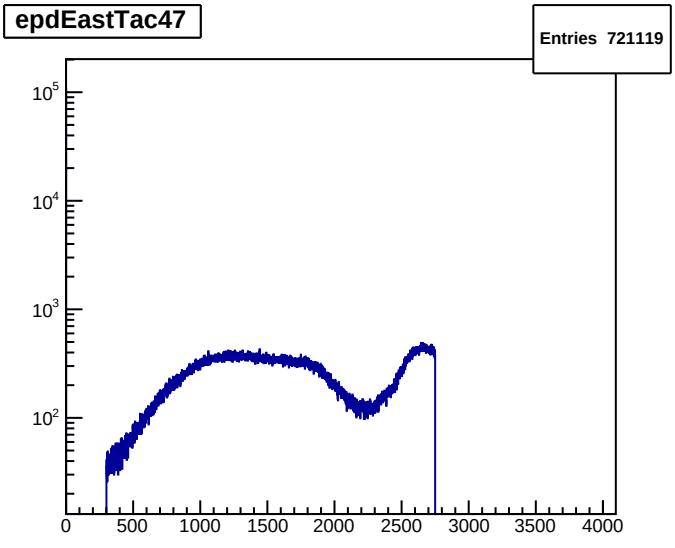
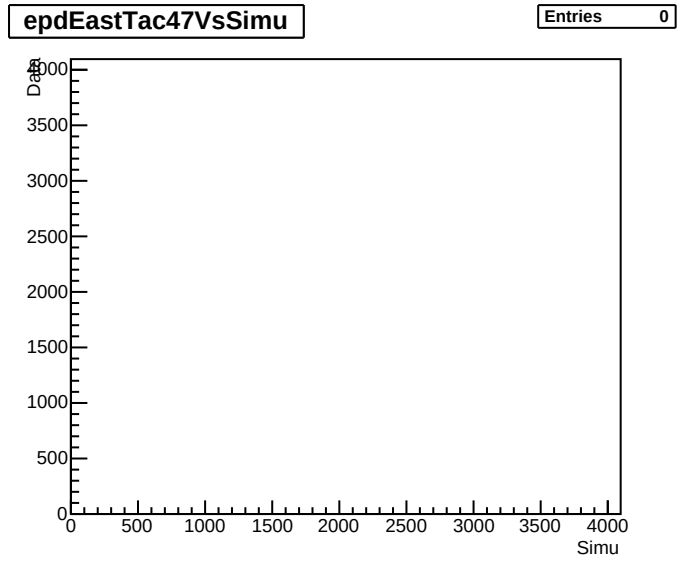
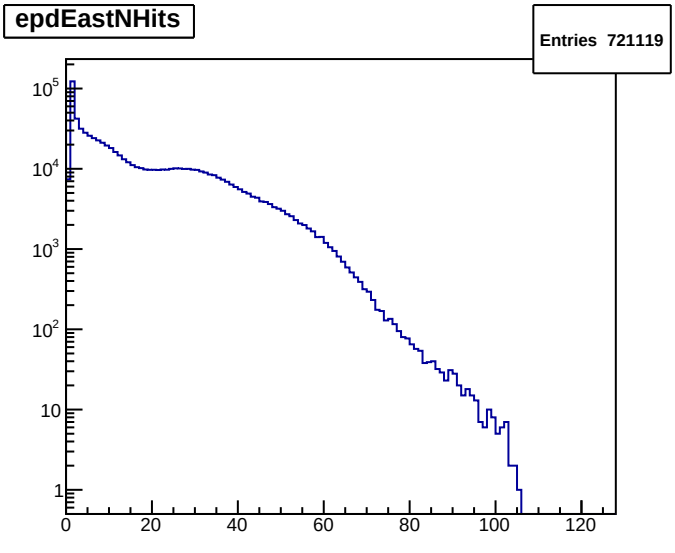
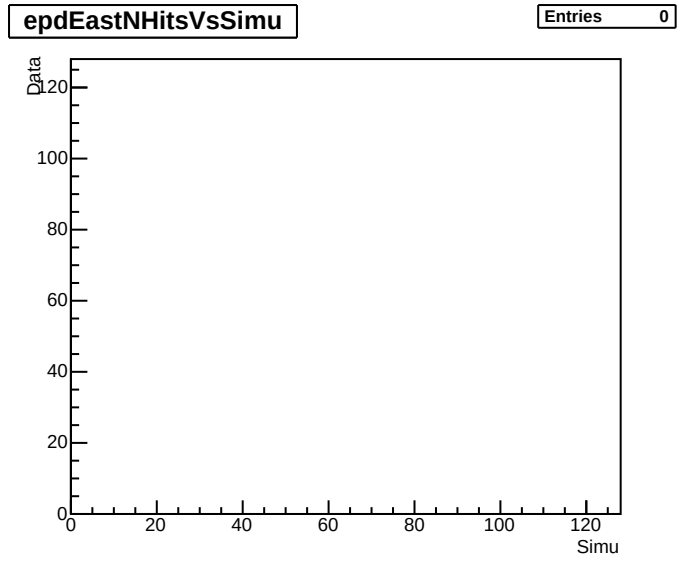
Entries 0
Data
Simu


epdEastTac47
Entries 721119


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 721119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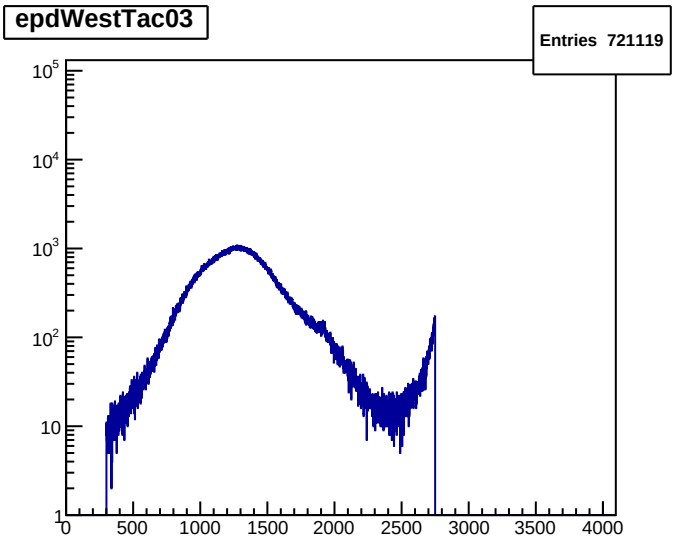
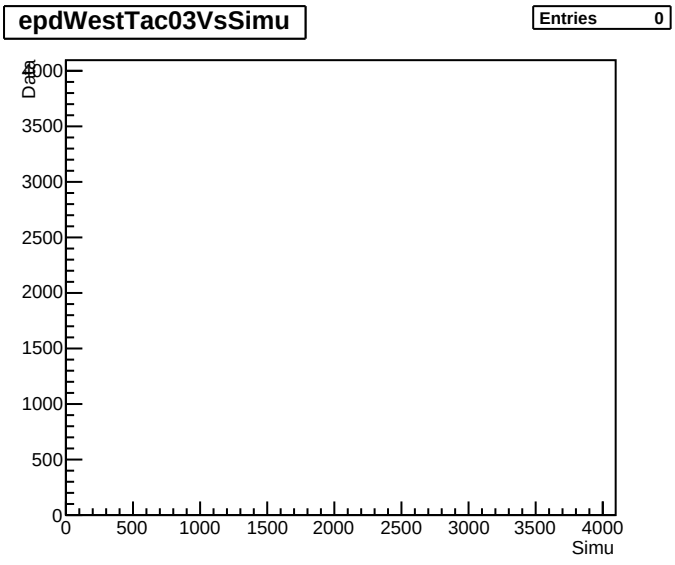
Entries 0
Data
Simu


epdWestTac03
Entries 721119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Entries 0
Data
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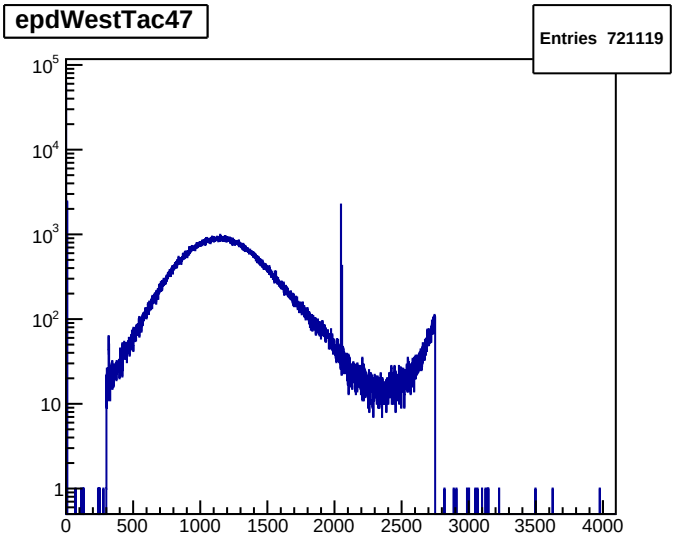
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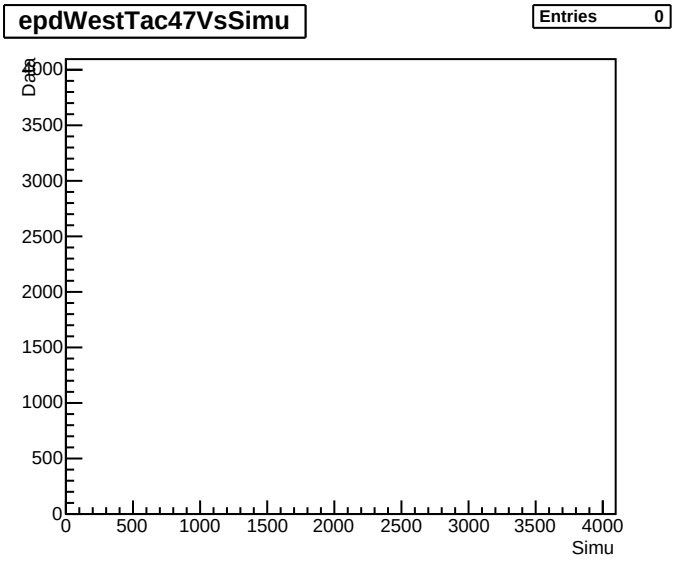
Entries 721119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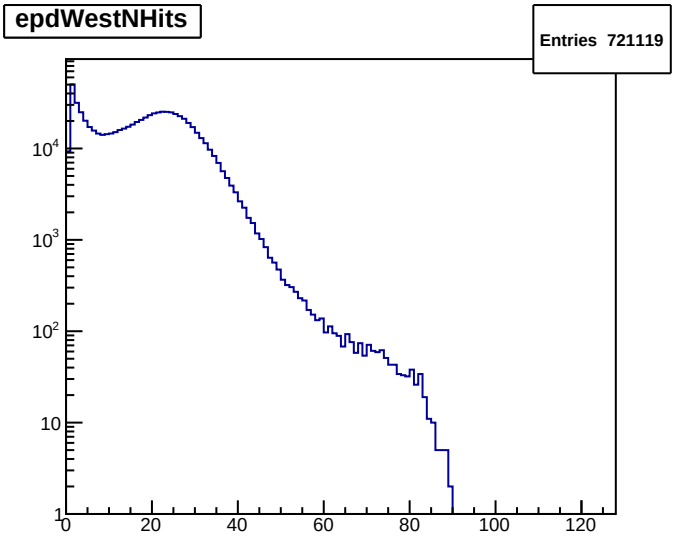
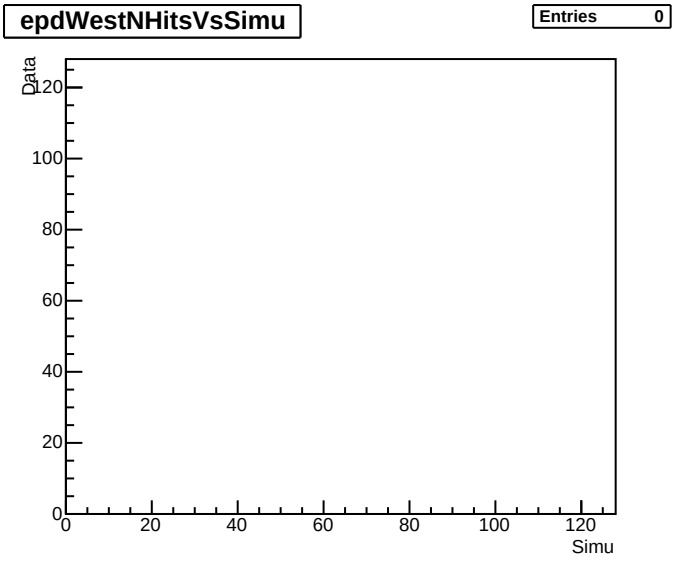
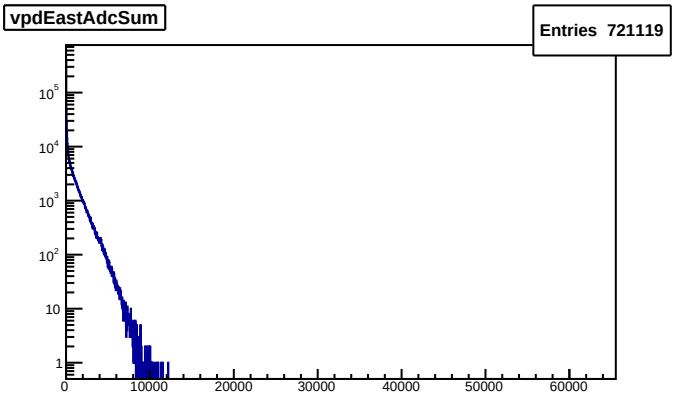
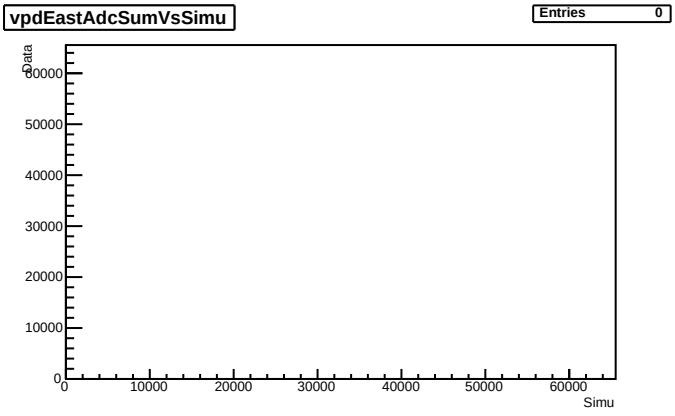
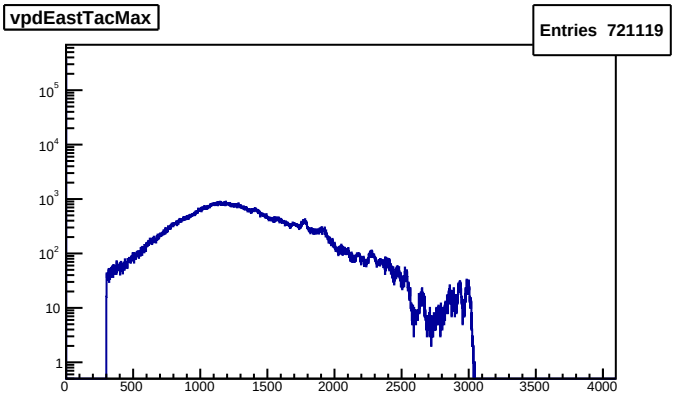
Entries 0
Data
Simu

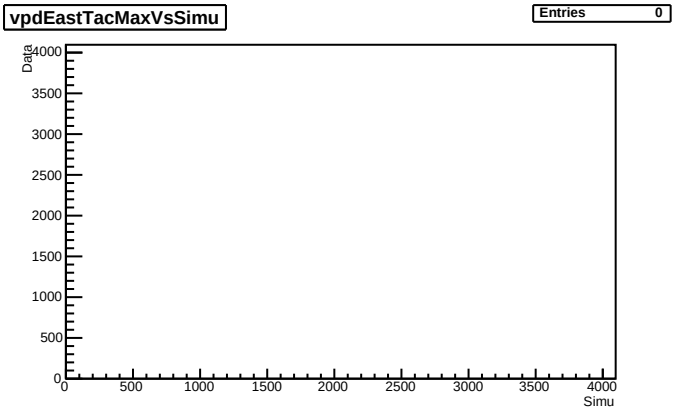

epdWestNHits
Entries 721119


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 721119


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 721119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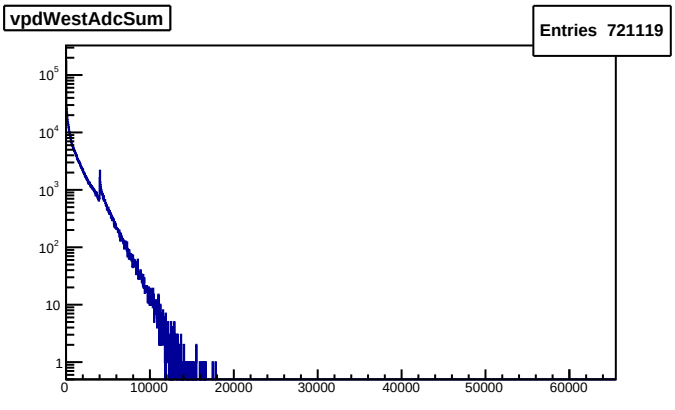
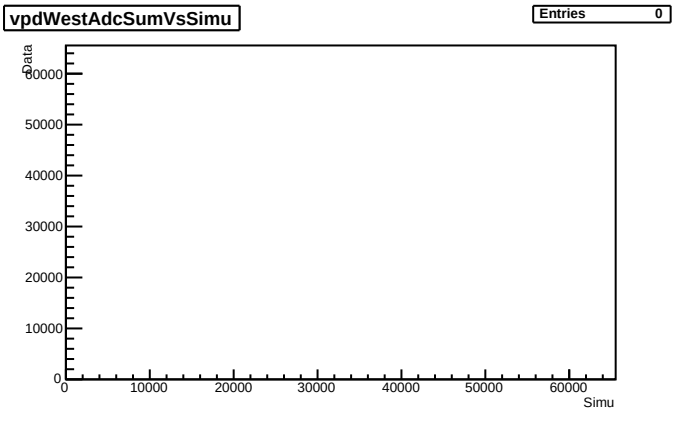
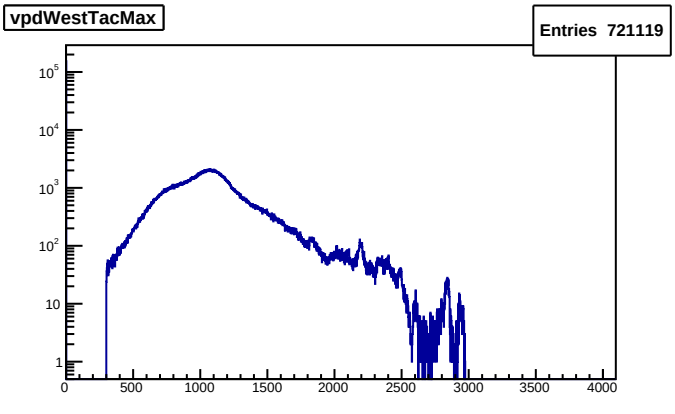
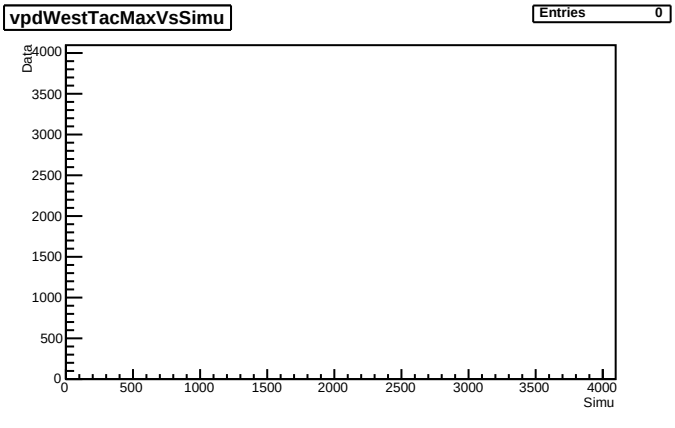
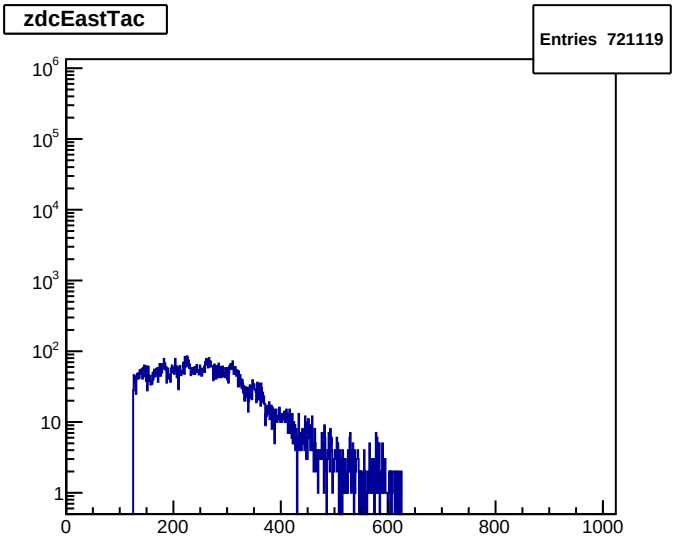
Entries 0
Data
Simu

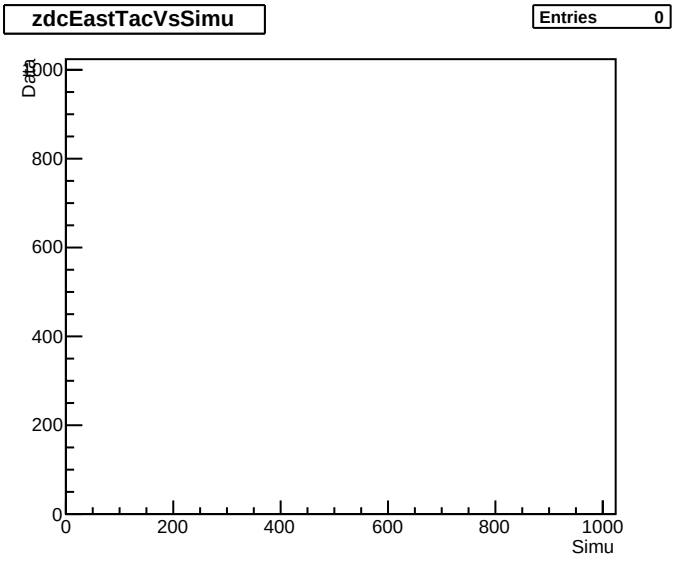

vpdWestAdcSum
Entries 721119

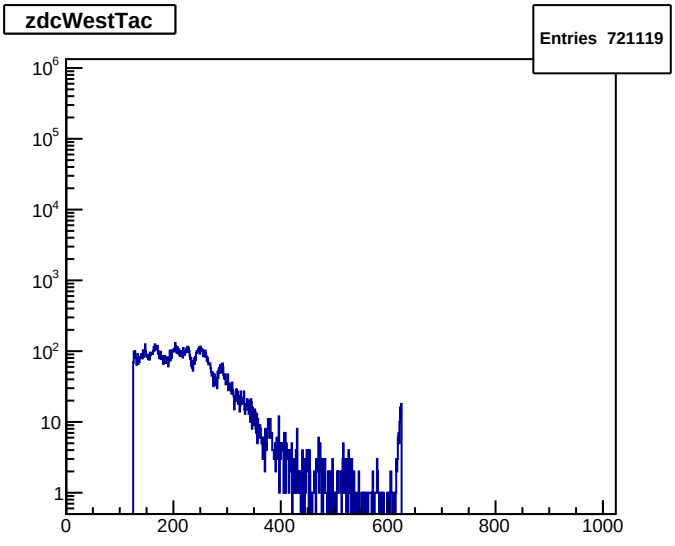

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

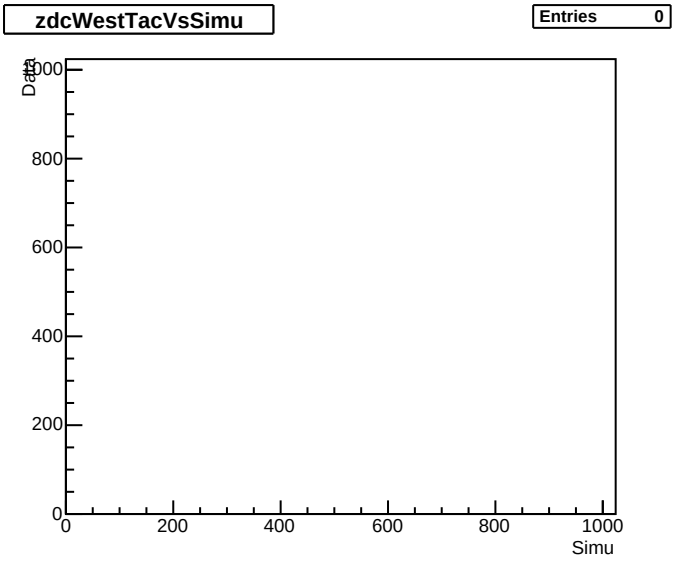

vpdWestTacMax
Entries 721119

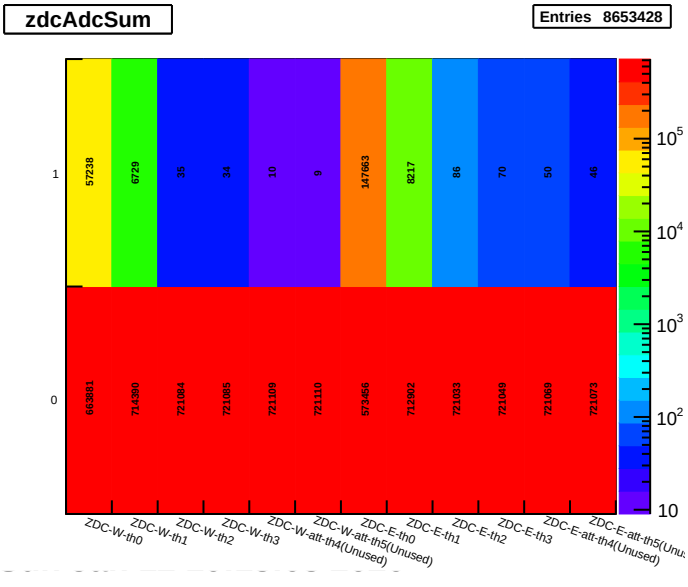

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

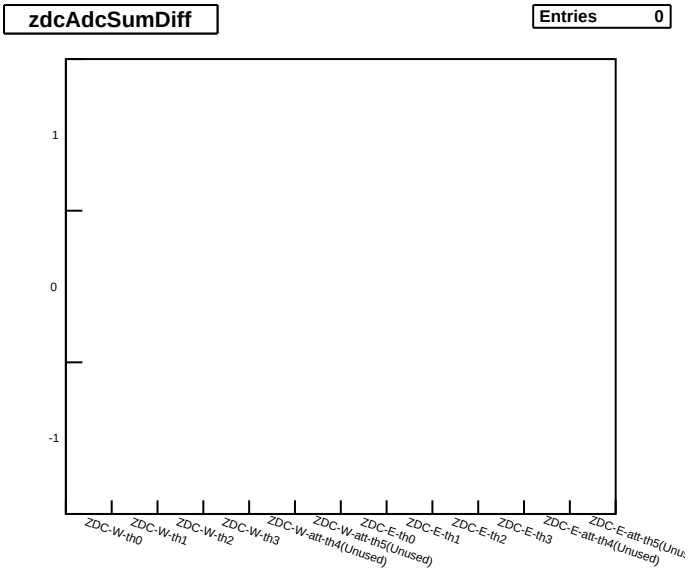

zdcEastTac
Entries 721119

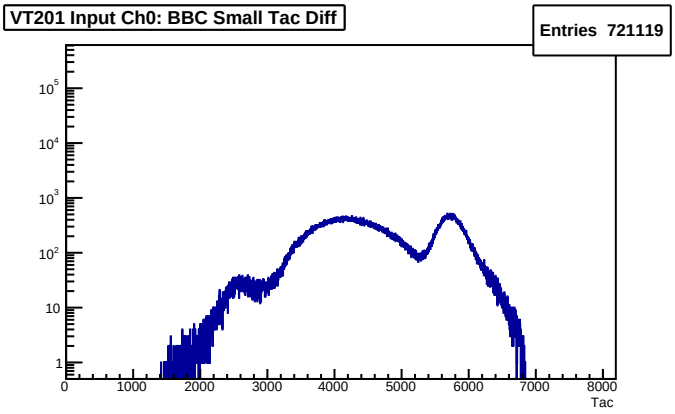

zdcEastTacVsSimu
Entries 0
Data
Simu

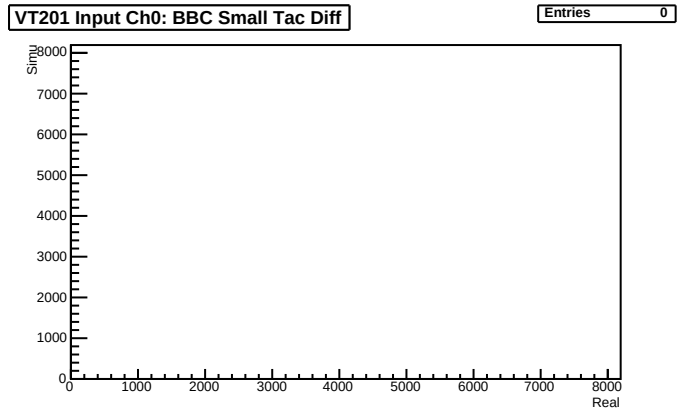

zdcWestTac
Entries 721119

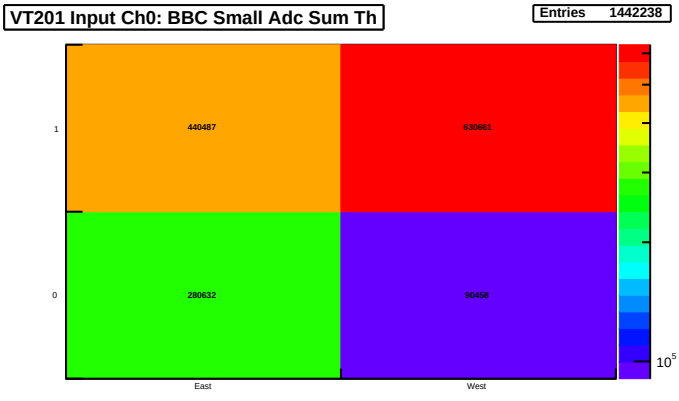

zdcWestTacVsSimu
Entries 0
Data
Simu

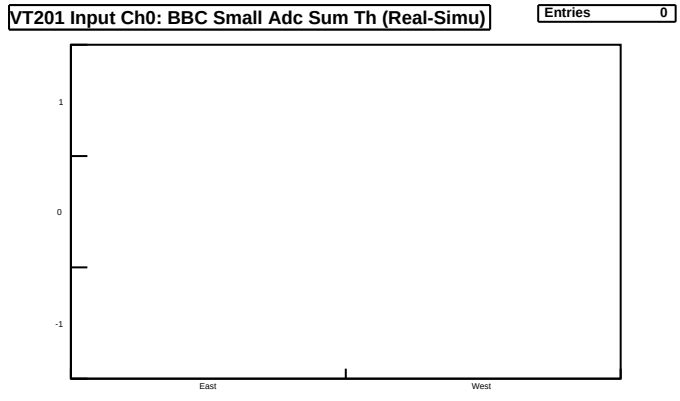

zdcAdcSum
Entries 8653428
57238
6729
35
34
10
9
147663
8217
86
70
50
46
663881
714390
721084
721085
721109
721110
573456
712902
721033
721049
721069
721073
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

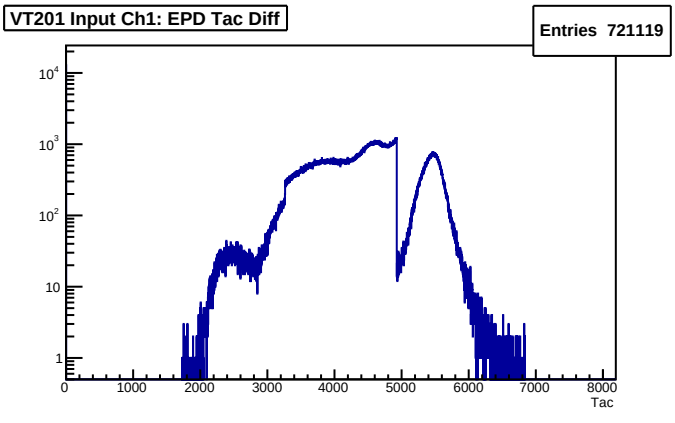

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

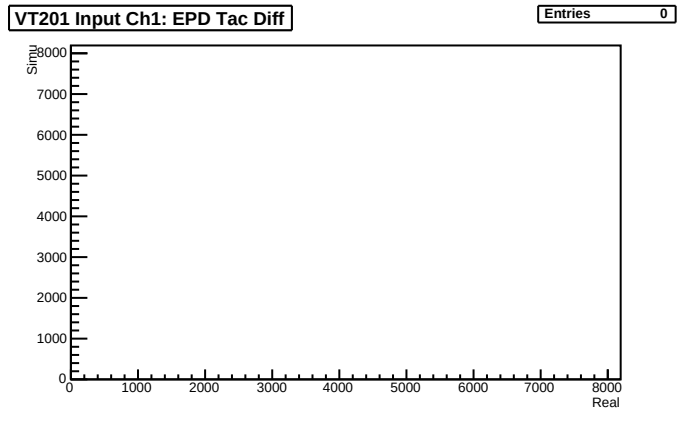

VT201 Input Ch0: BBC Small Tac Diff
Entries 721119
Tac

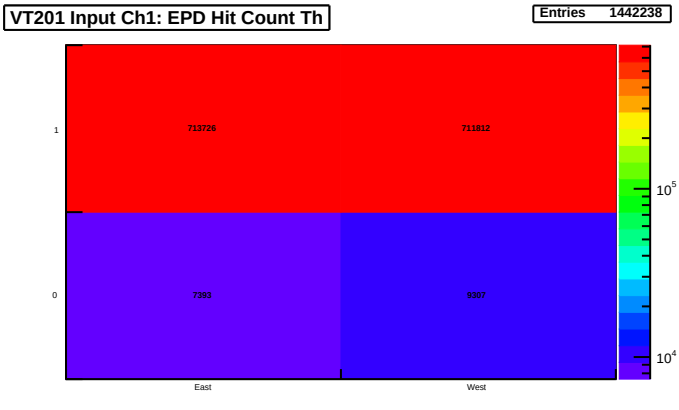

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

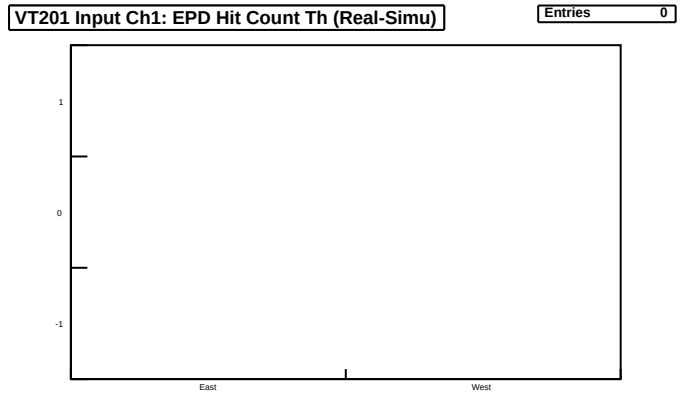

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1442238
440487
630661
280632
90458
East
West

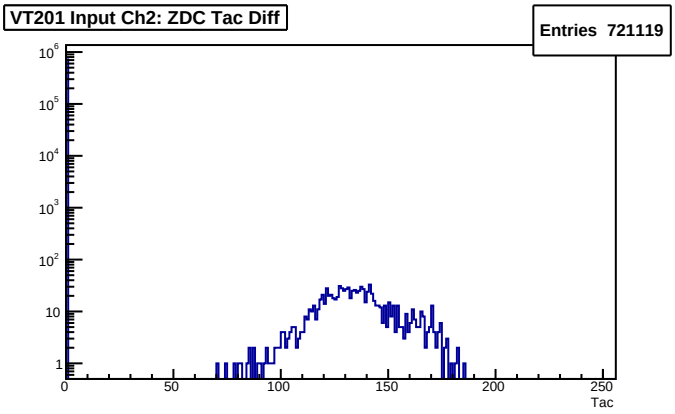

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

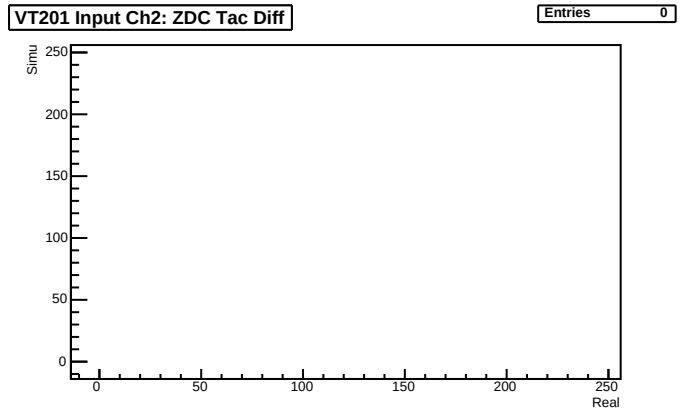

VT201 Input Ch1: EPD Tac Diff
Entries 721119
Tac

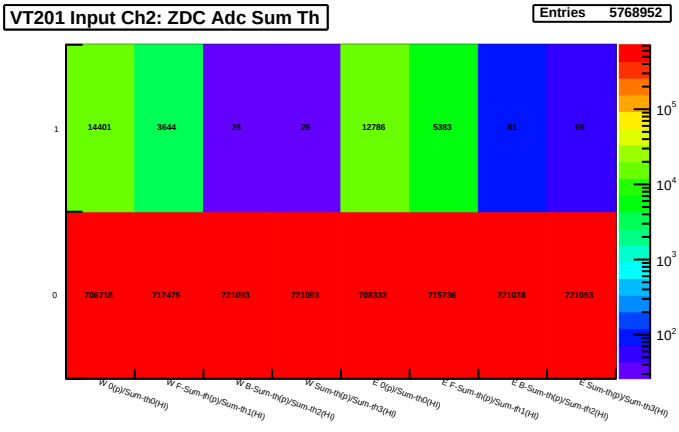

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

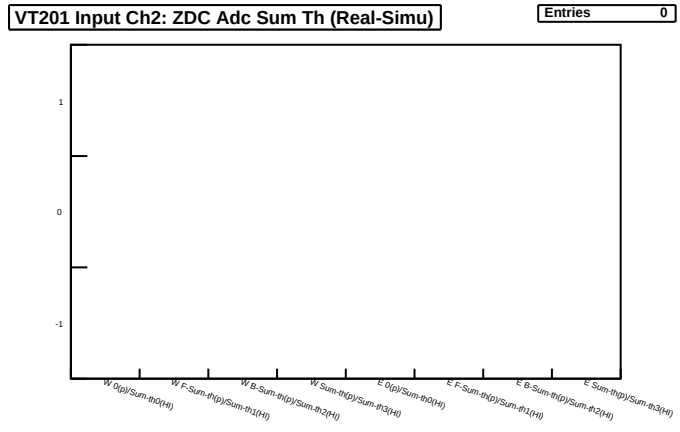

VT201 Input Ch1: EPD Hit Count Th
Entries 1442238
713726
711812
7393
9307
East
West

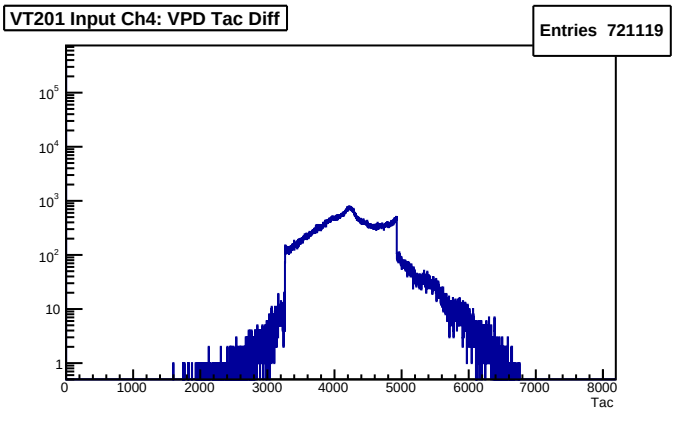

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

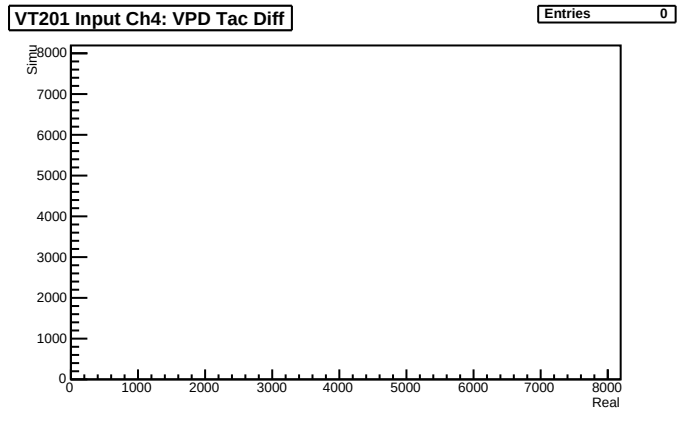

VT201 Input Ch2: ZDC Tac Diff
Entries 721119
Tac

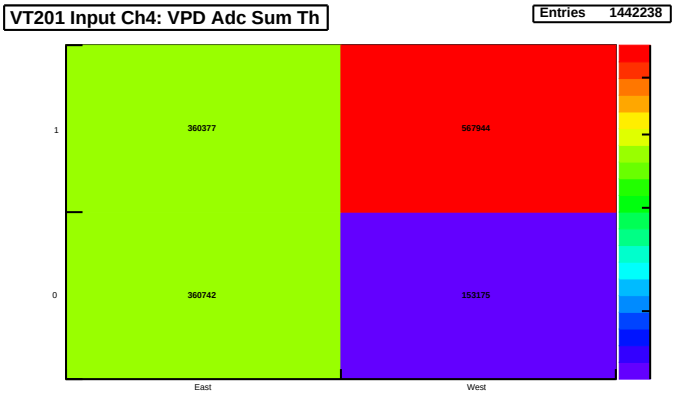

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

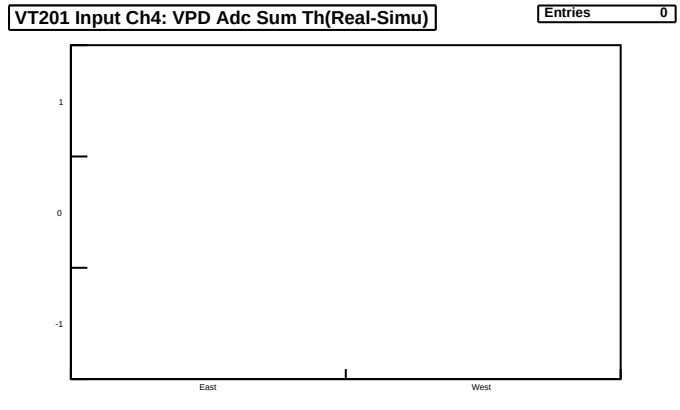

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5768952
14401
3644
26
26
12786
5383
81
66
706718
717475
721093
721093
708333
715736
721038
721053
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

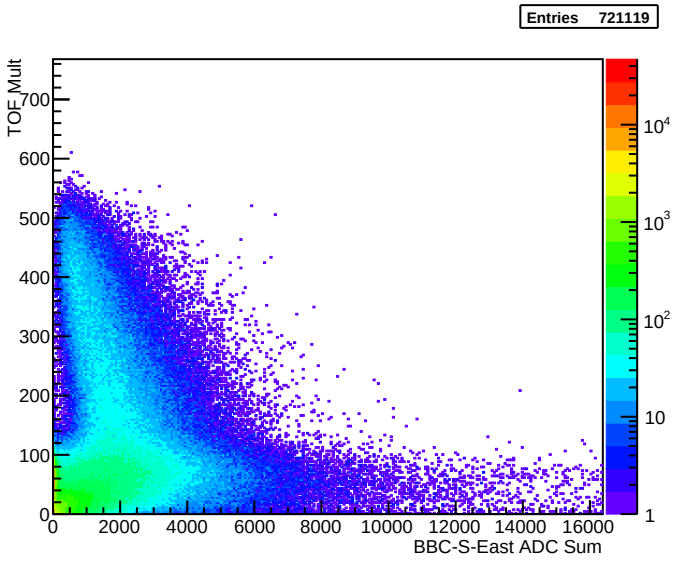

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

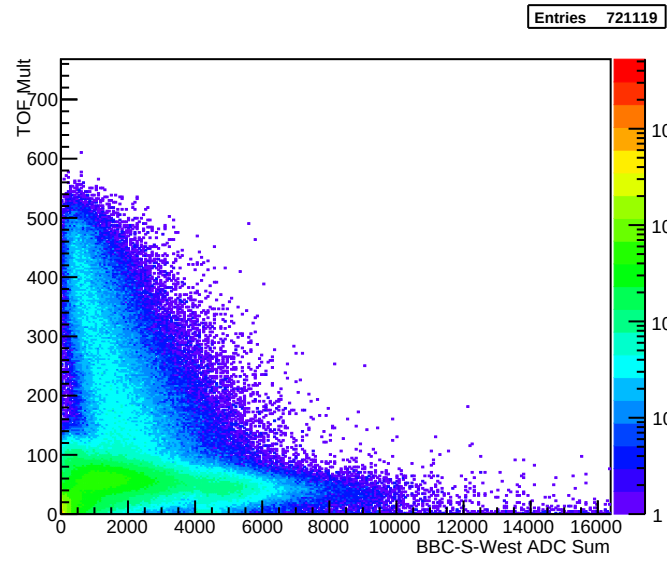

VT201 Input Ch4: VPD Tac Diff
Entries 721119
Tac

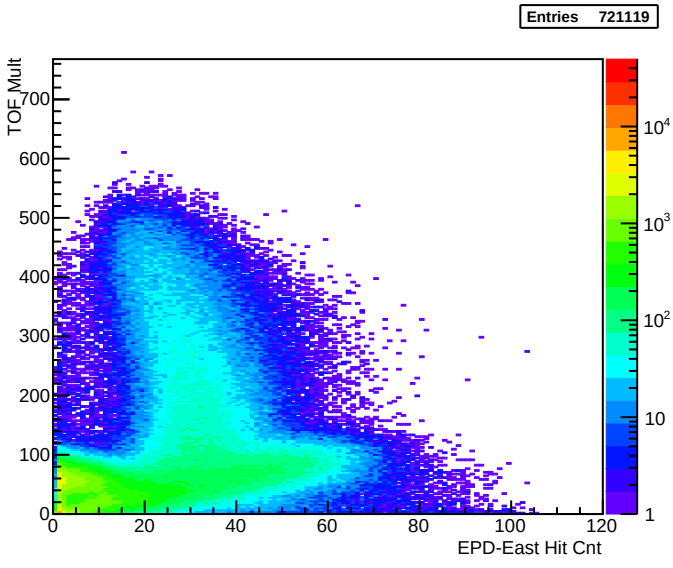

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

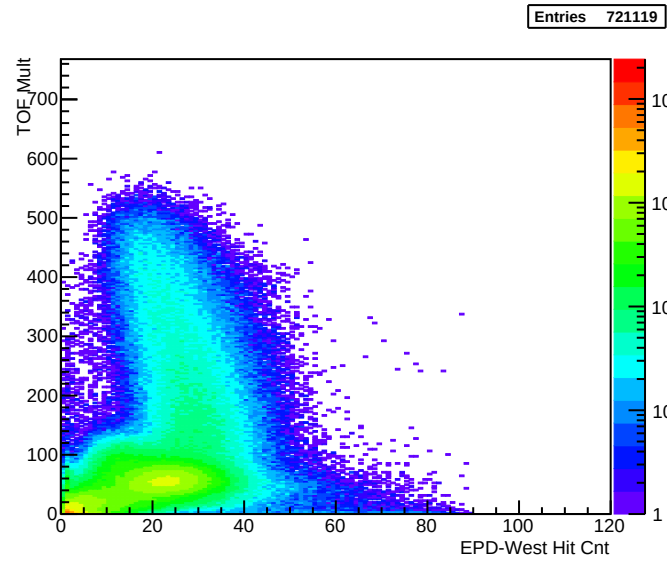

VT201 Input Ch4: VPD Adc Sum Th
Entries 1442238
360377
567944
360742
153175
East
West

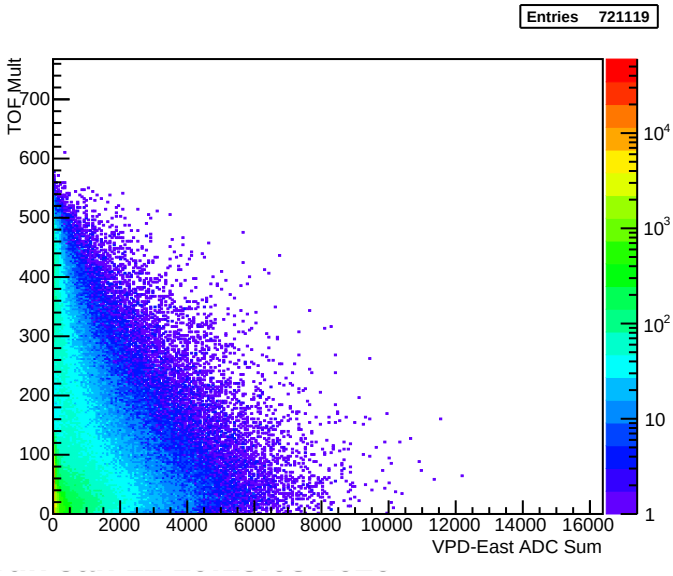

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

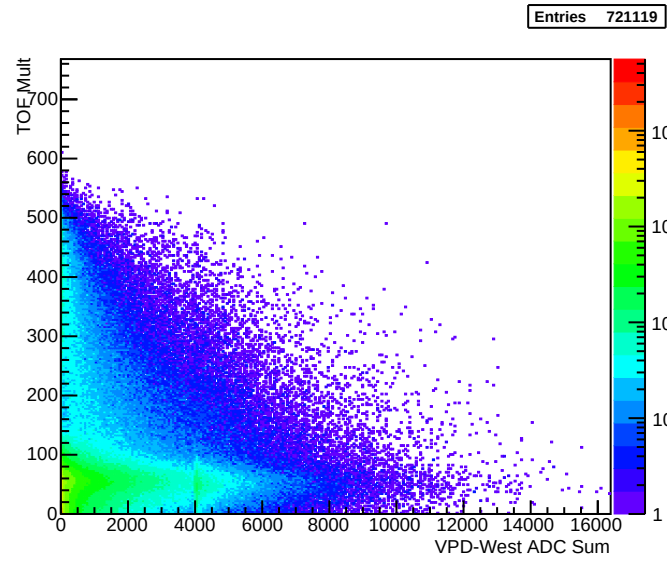

Entries 721119
TOF_Mult
BBC-S-East ADC Sum

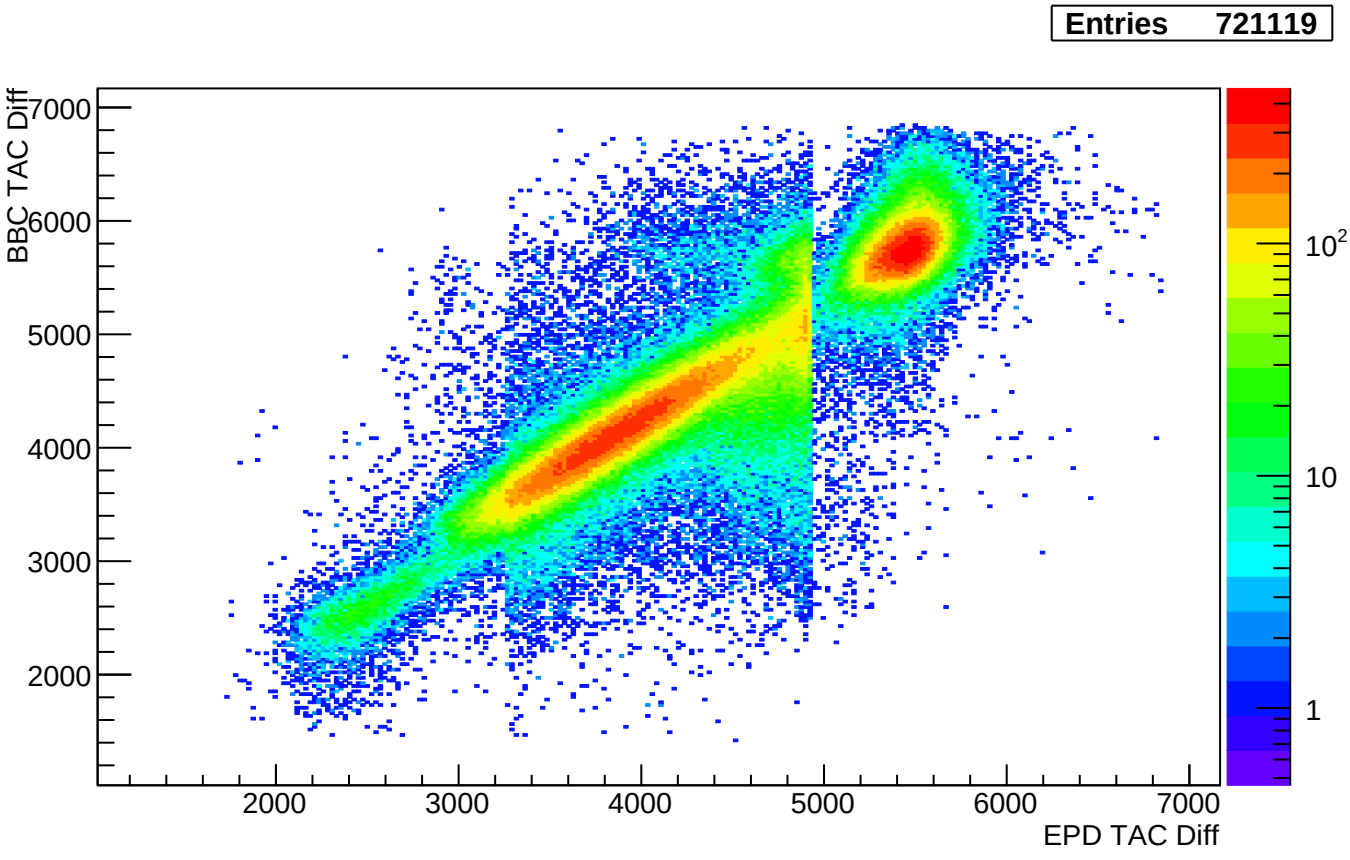

Entries 721119
TOF_Mult
BBC-S-West ADC Sum

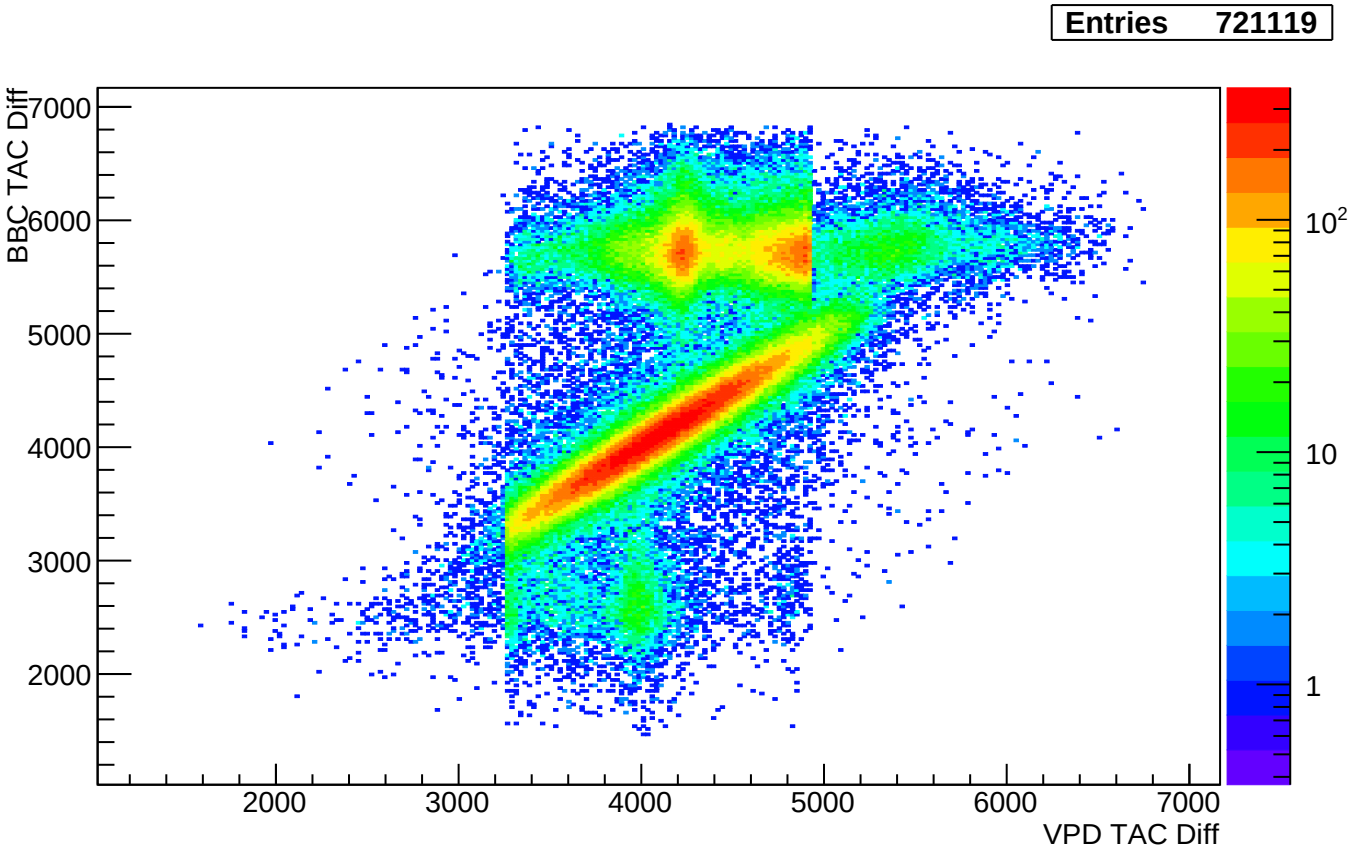

Entries 721119
TOF_Mult
EPD-East Hit Cnt

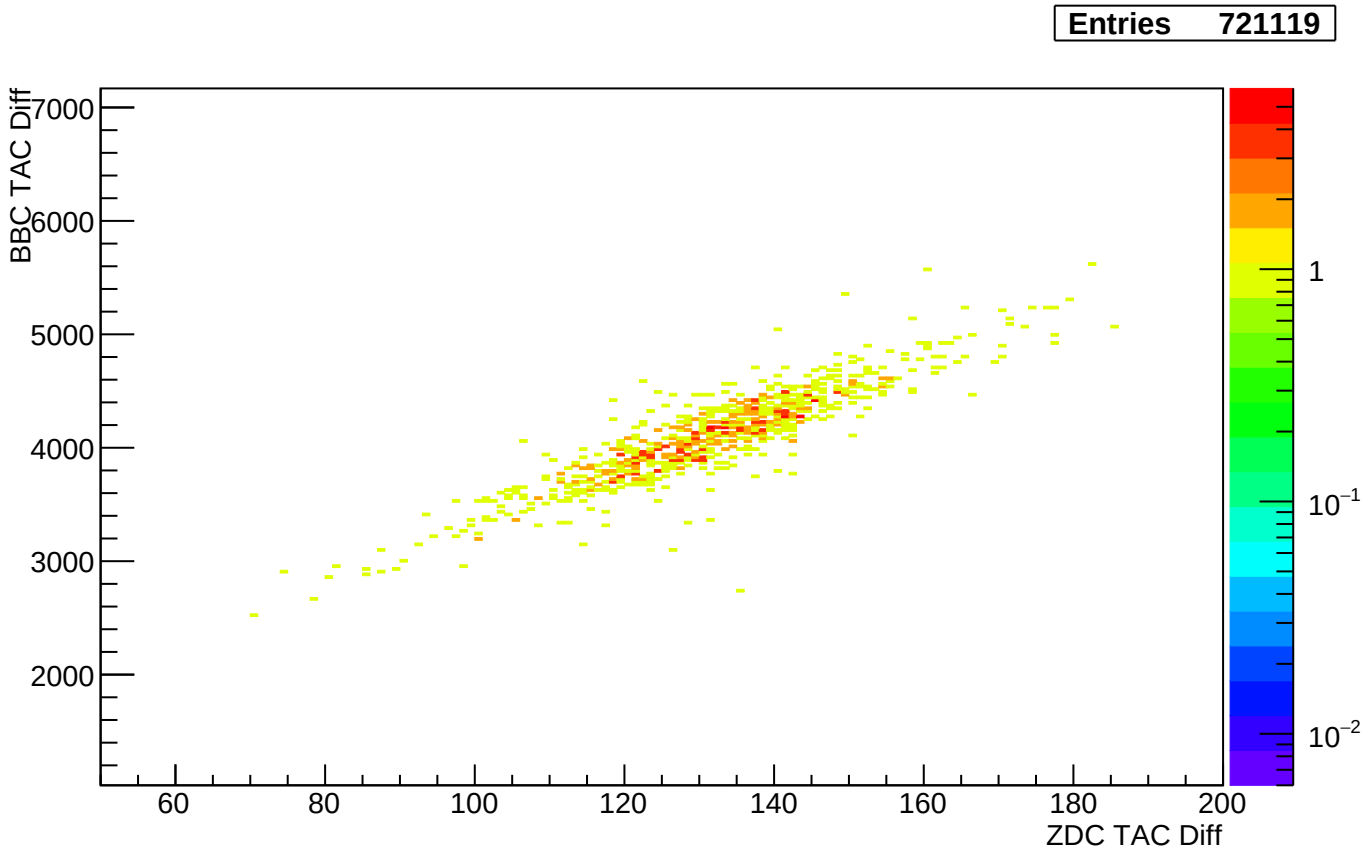

Entries 721119
TOF_Mult
EPD-West Hit Cnt

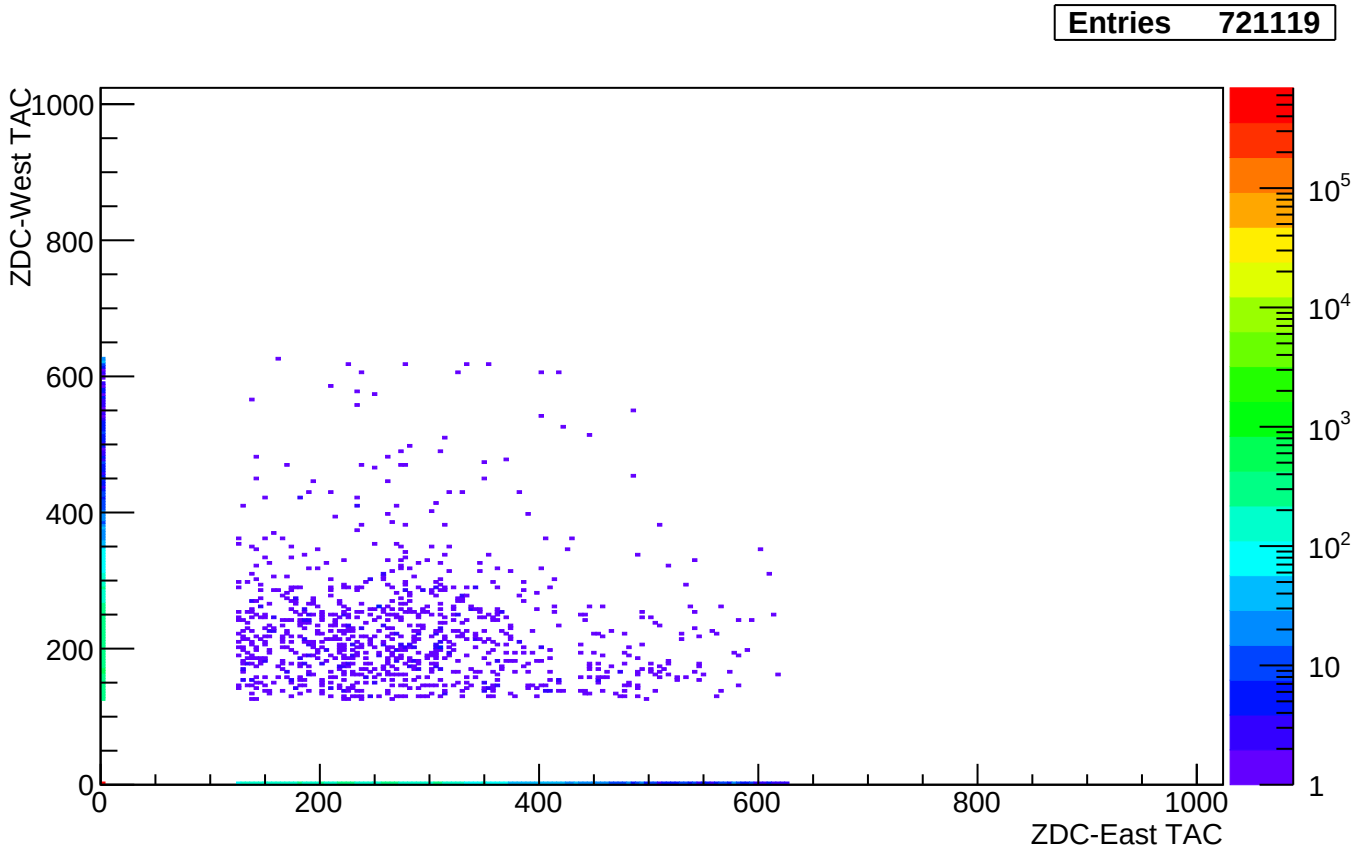

Entries 721119
TOF_Mult
VPD-East ADC Sum

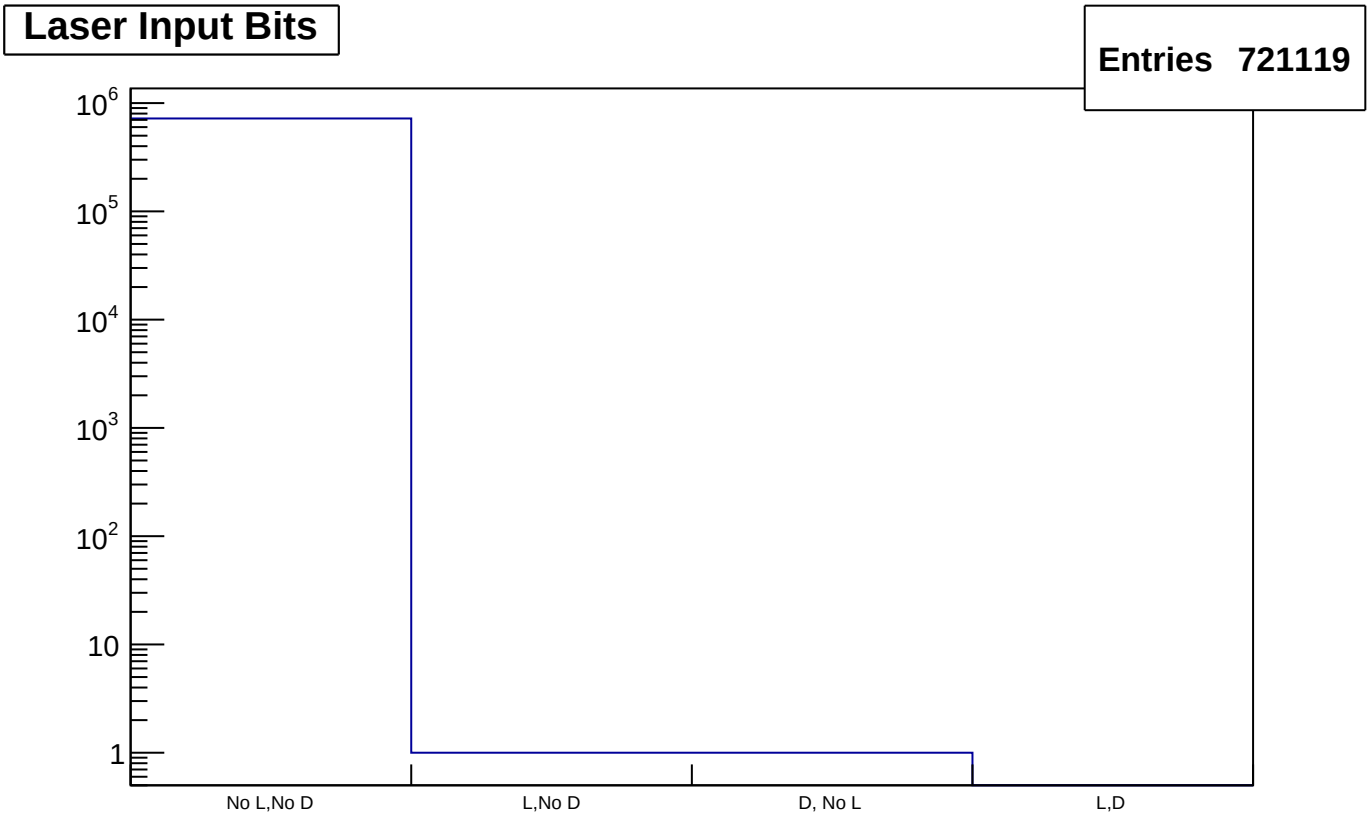

Entries 721119
TOF_Mult
VPD-West ADC Sum

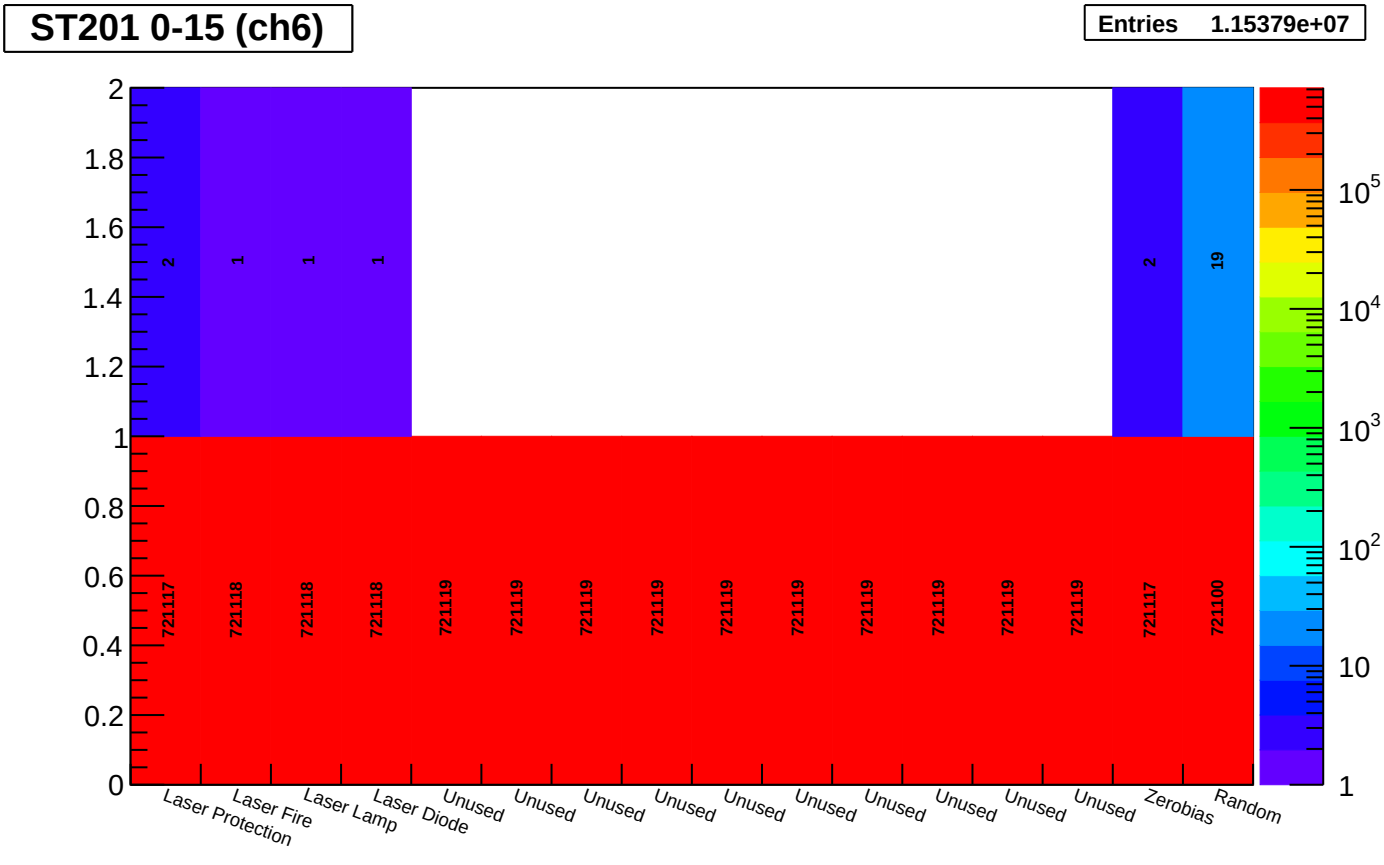

Entries 721119
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

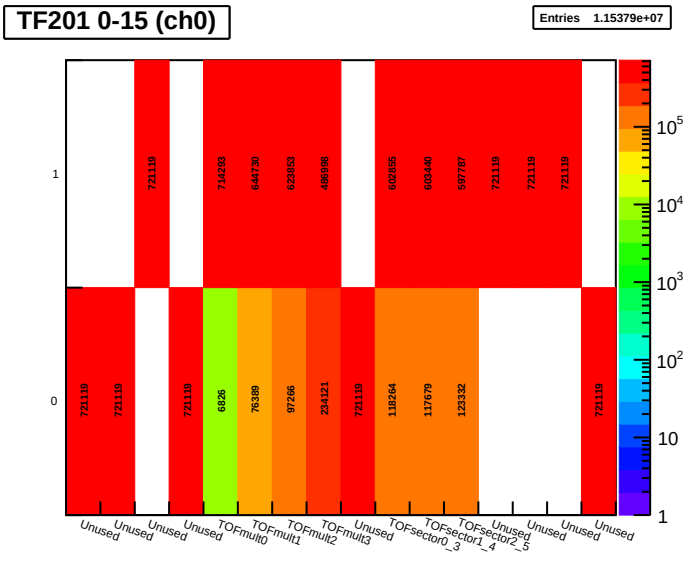

Entries 721119
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

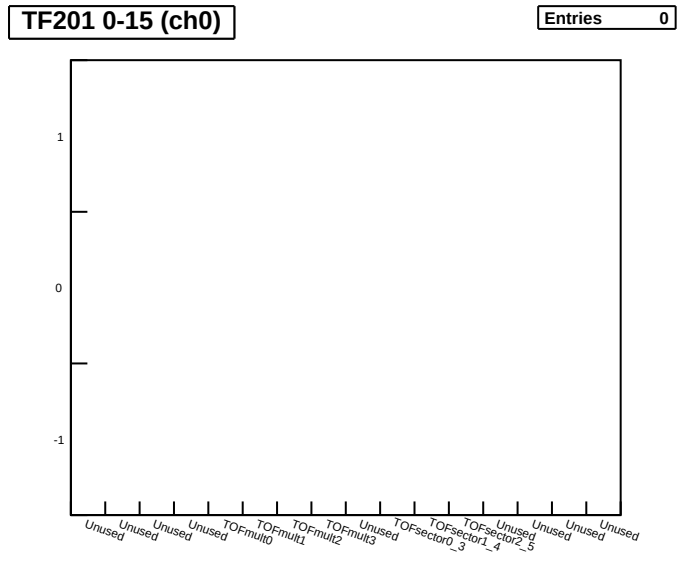

Entries 721119
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

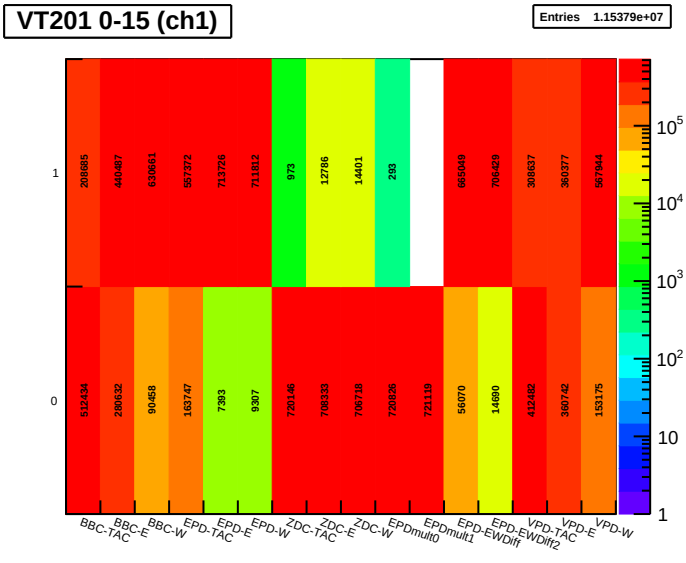

Entries 721119
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

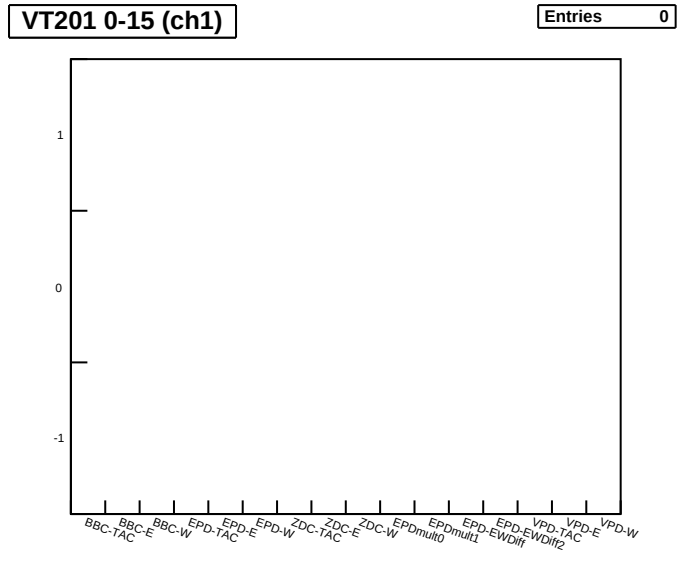

Laser Input Bits
Entries 721119
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

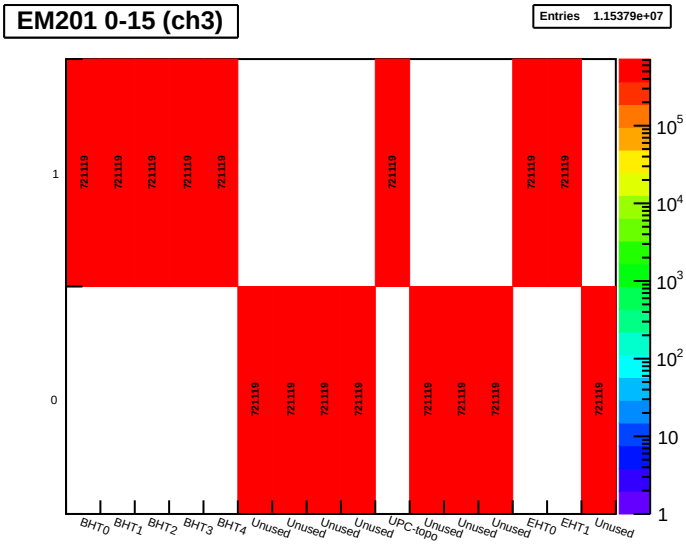

ST201 0-15 (ch6)
Entries 1.15379e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2
1
1
1
2
19
721117
721118
721118
721118
721119
721119
721119
721119
721119
721119
721119
721119
721119
721119
721117
721100
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

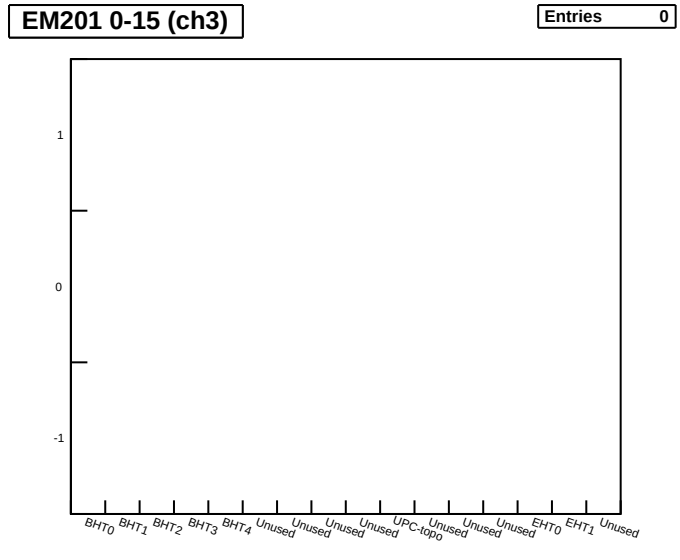

TF201 0-15 (ch0)
Entries 1.15379e+07
1
0
721119 714293 644730 623653 486998 602855 603440 597787 721119 721119 721119
721119 721119 721119 6826 76389 97266 234121 721119 118264 117679 123332 721119
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 1.15379e+07
1
0
208685 440487 630661 557372 713726 711812 973 12786 14401 293 665049 706429 308637 360377 567944
512434 280632 90458 163747 7393 9307 720146 708333 706718 720826 721119 56070 14690 412482 360742 153175
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 1.15379e+07
1
0
721119 721119 721119 721119 721119 721119 721119 721119
721119 721119 721119 721119 721119 721119 721119 721119
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