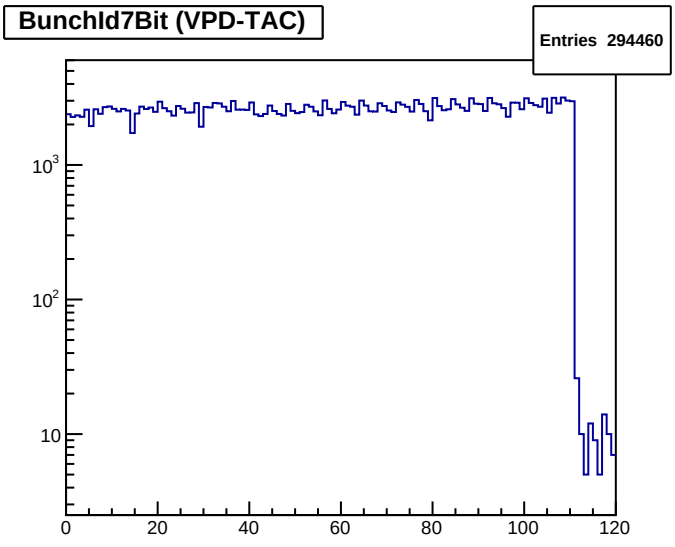
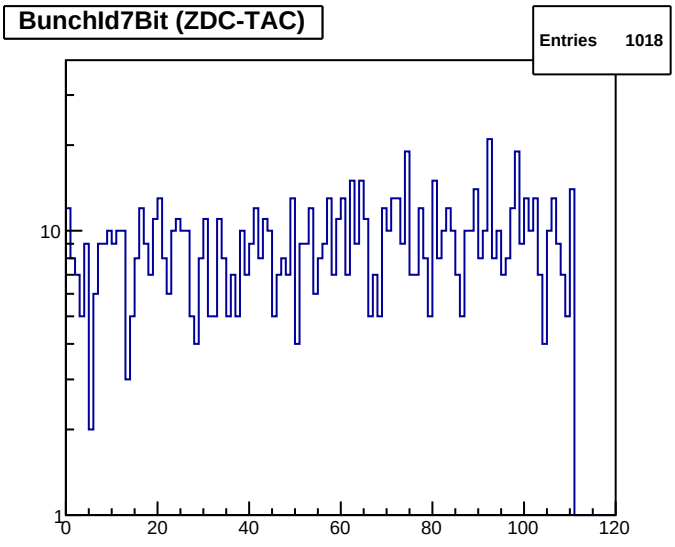
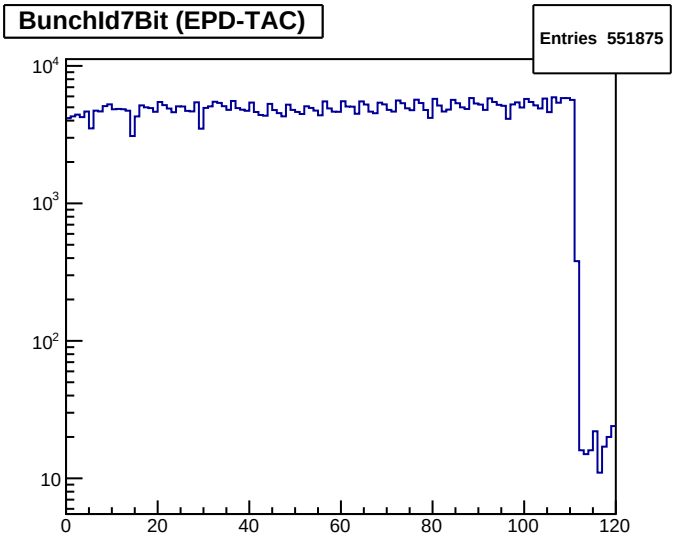
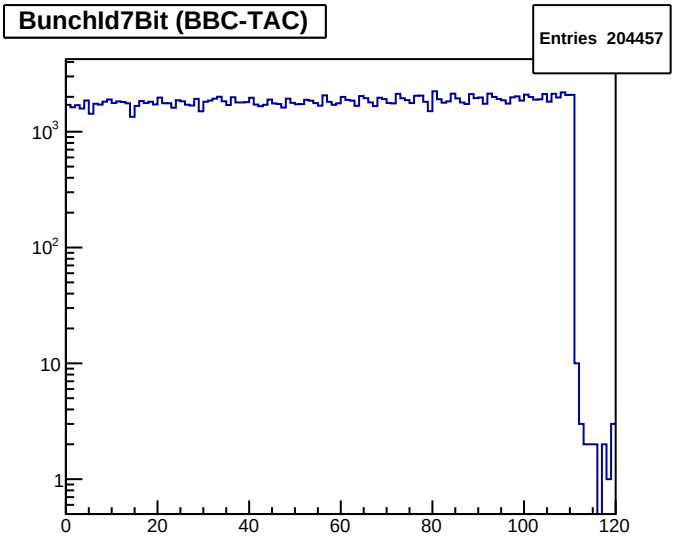
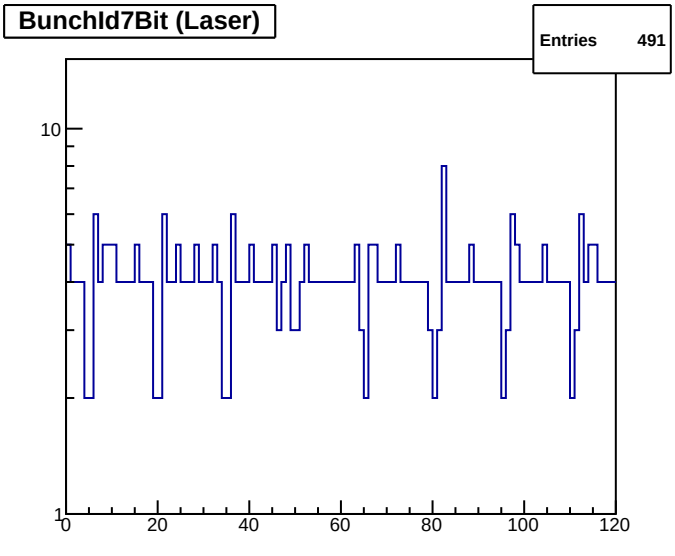
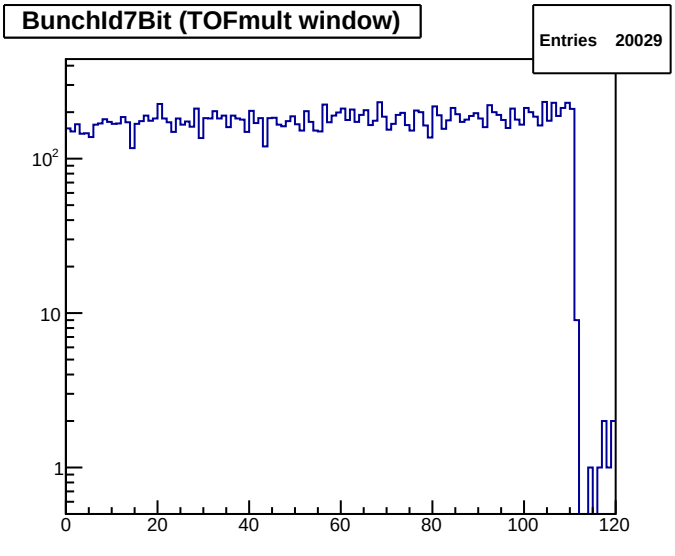

BunchId7Bit (VPD-TAC)
Entries 294460
10^3
10^2
10
0
20
40
60
80
100
120

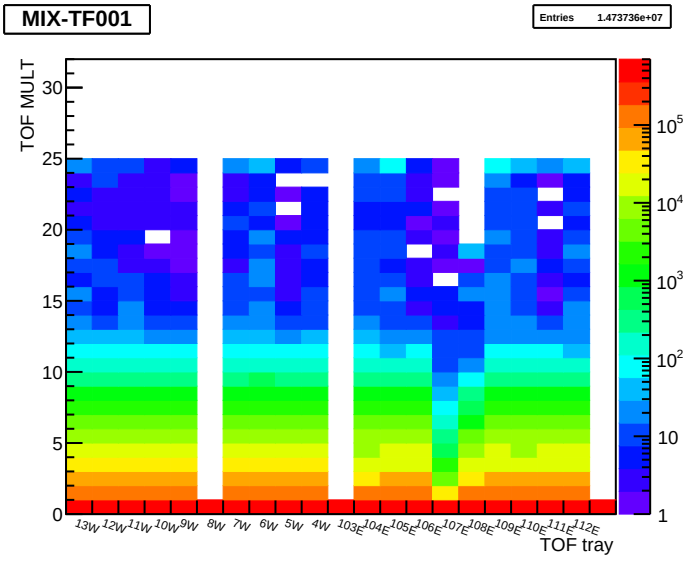

BunchId7Bit (ZDC-TAC)
Entries 1018
10
1
0
20
40
60
80
100
120

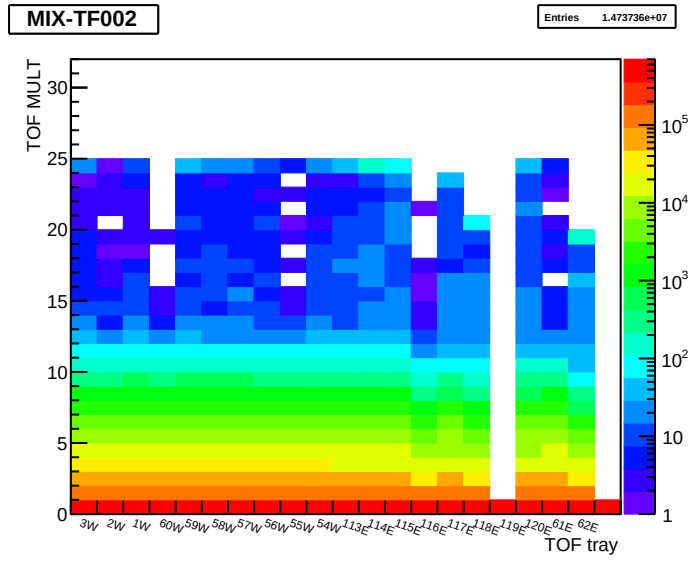

BunchId7Bit (EPD-TAC)
Entries 551875
10^4
10^3
10^2
10
0
20
40
60
80
100
120

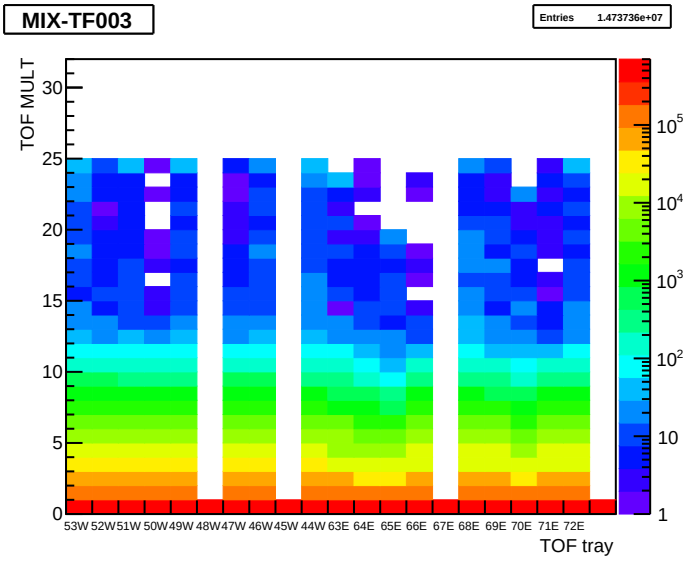

BunchId7Bit (BBC-TAC)
Entries 204457
10^3
10^2
10
1
0
20
40
60
80
100
120

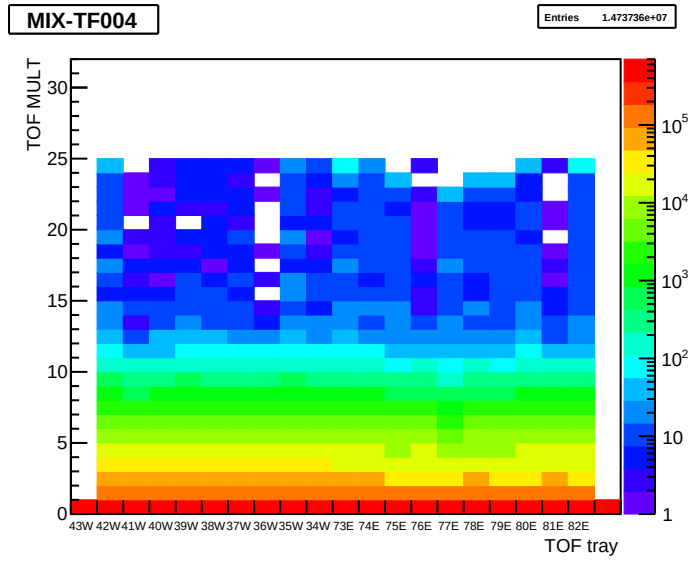

BunchId7Bit (Laser)
Entries 491
10
1
0
20
40
60
80
100
120

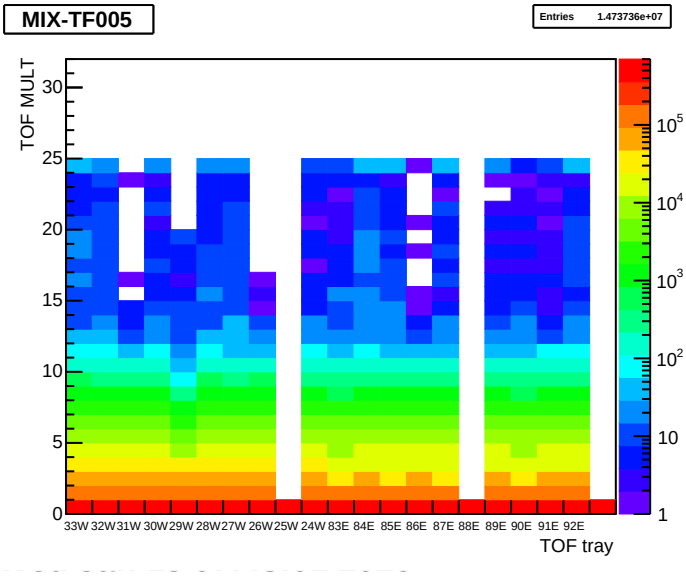

BunchId7Bit (TOFmult window)
Entries 20029
10^2
10
1
0
20
40
60
80
100
120

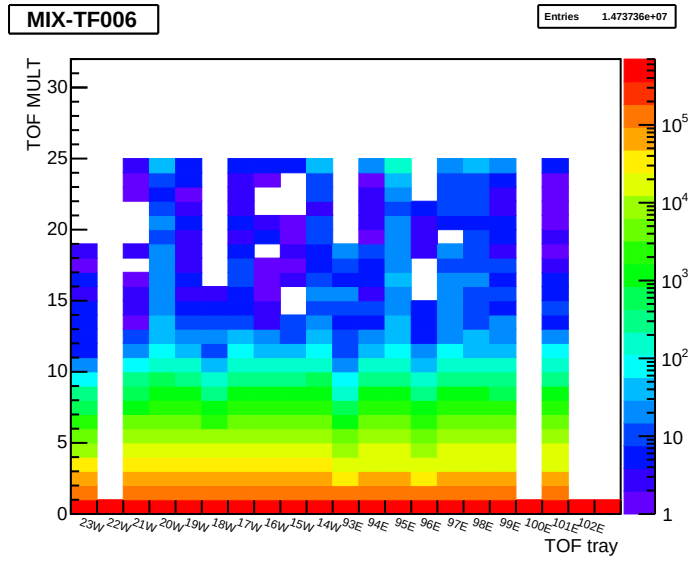

MIX-TF001
Entries 1.473736e+07
TOF MULT
TOF tray

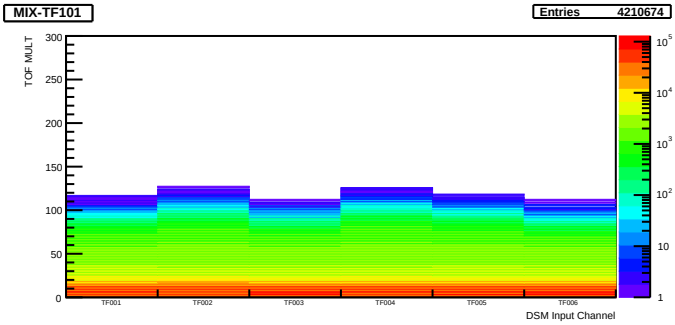

MIX-TF002
Entries 1.473736e+07
TOF MULT
TOF tray

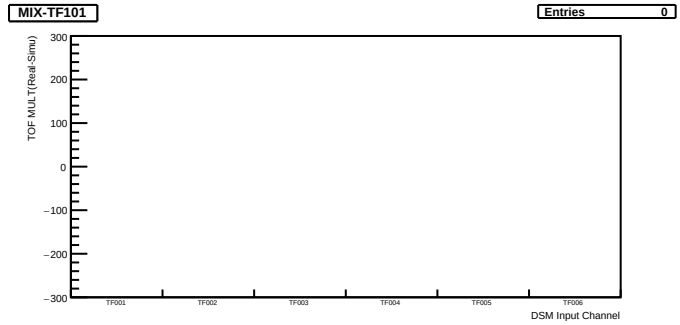

MIX-TF003
Entries 1.473736e+07
TOF MULT
TOF tray

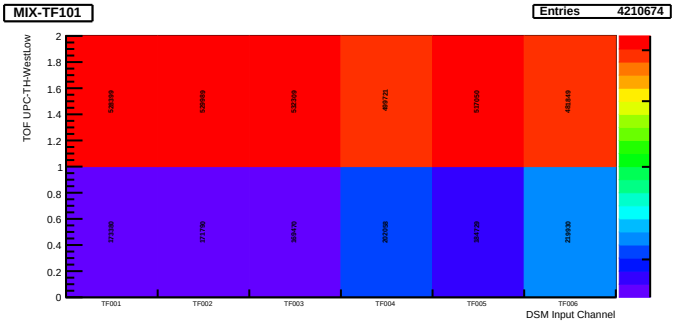

MIX-TF004
Entries 1.473736e+07
TOF MULT
TOF tray

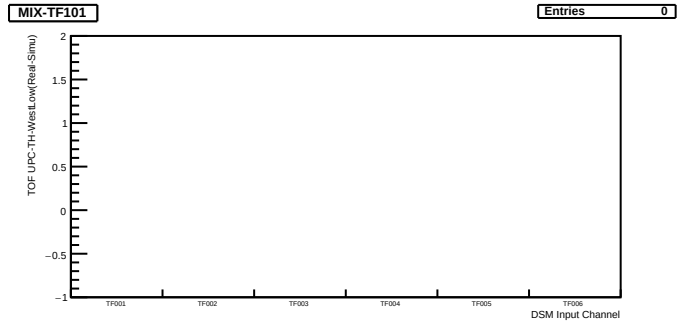

MIX-TF005
Entries 1.473736e+07
TOF MULT
TOF tray

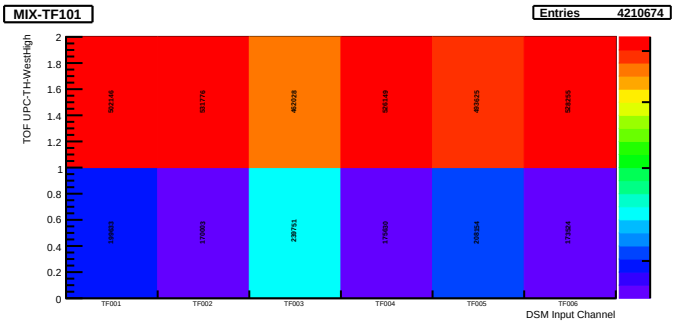

MIX-TF006
Entries 1.473736e+07
TOF MULT
TOF tray

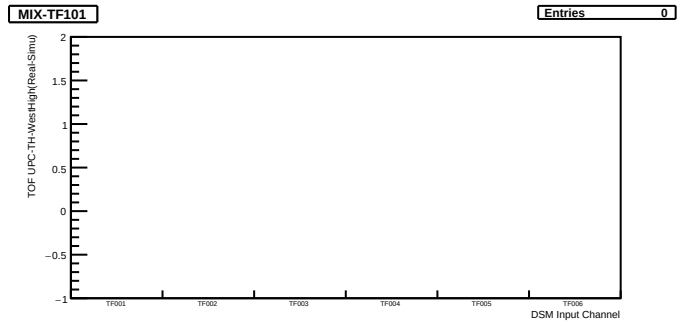

MIX-TF101
Entries 4210674
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

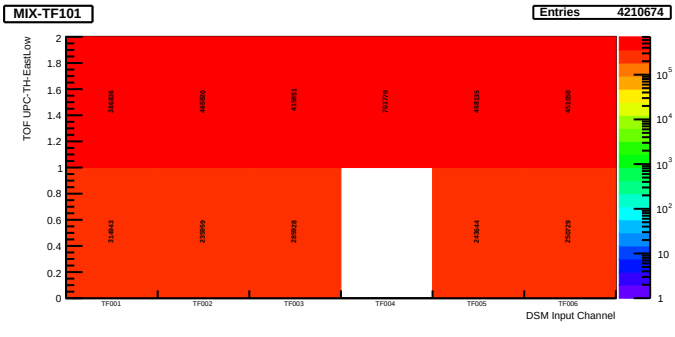

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

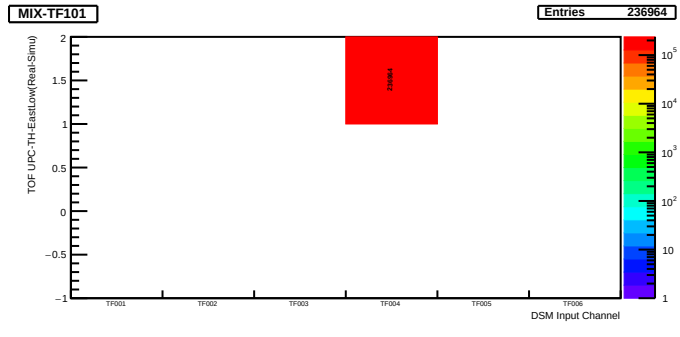

MIX-TF101
Entries 4210674
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

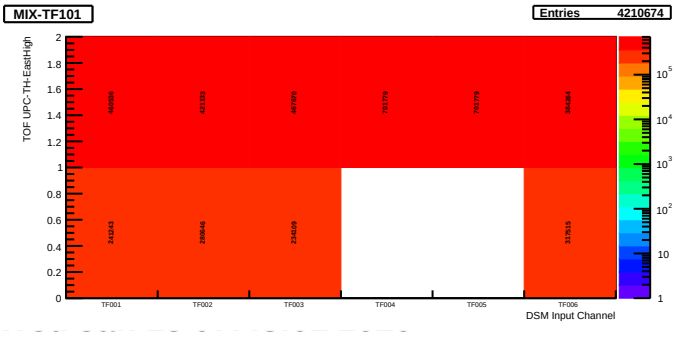

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

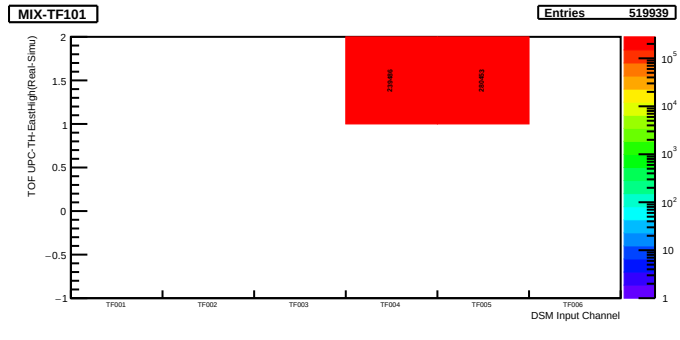

MIX-TF101
Entries 4210674
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

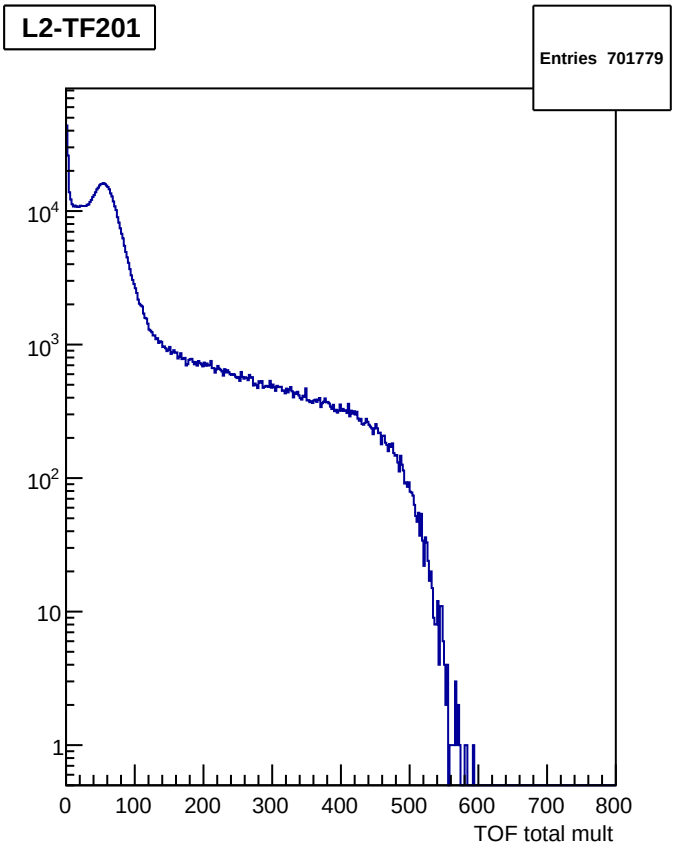

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

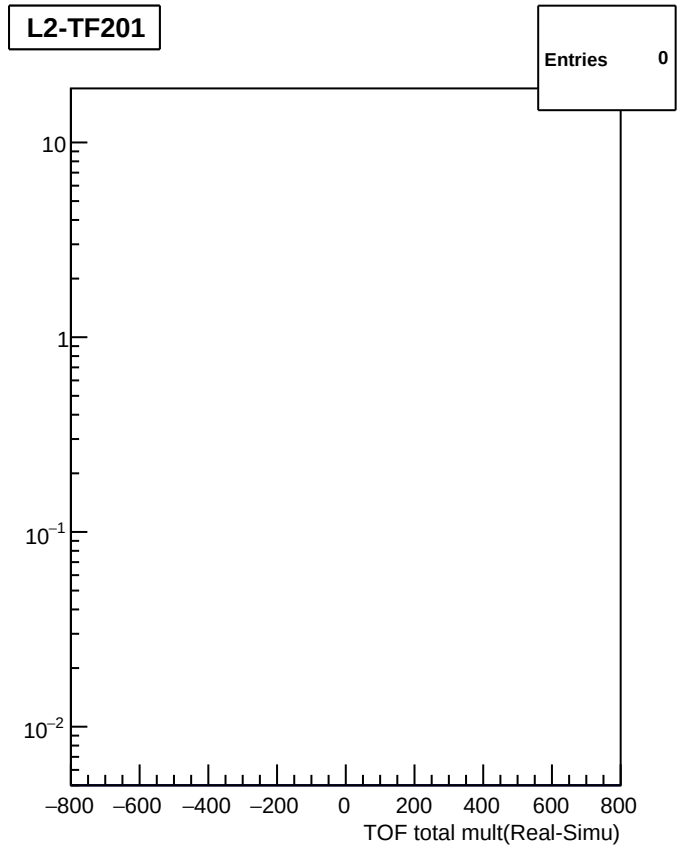

MIX-TF101
Entries 4210674
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

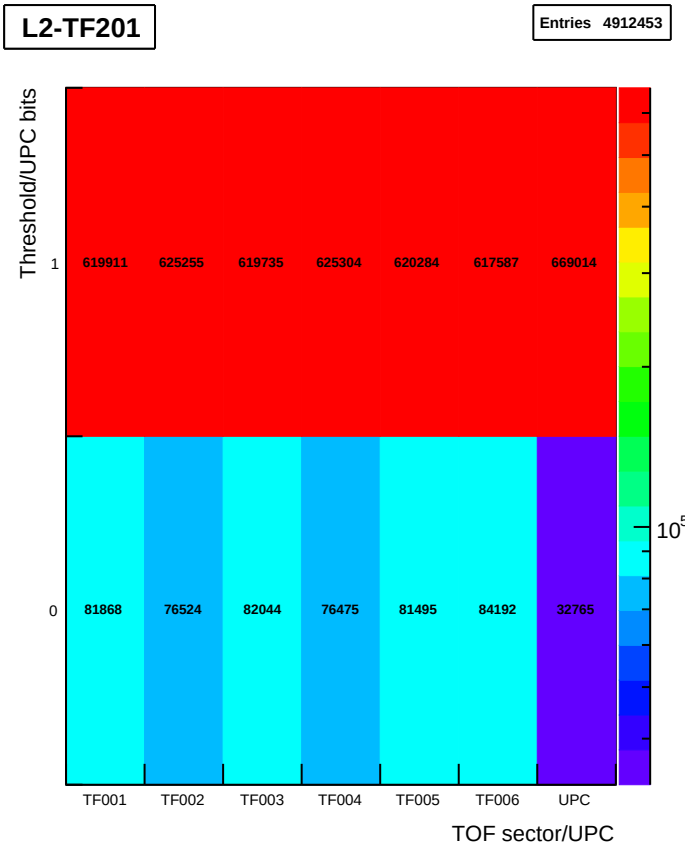

MIX-TF101
Entries 236964
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

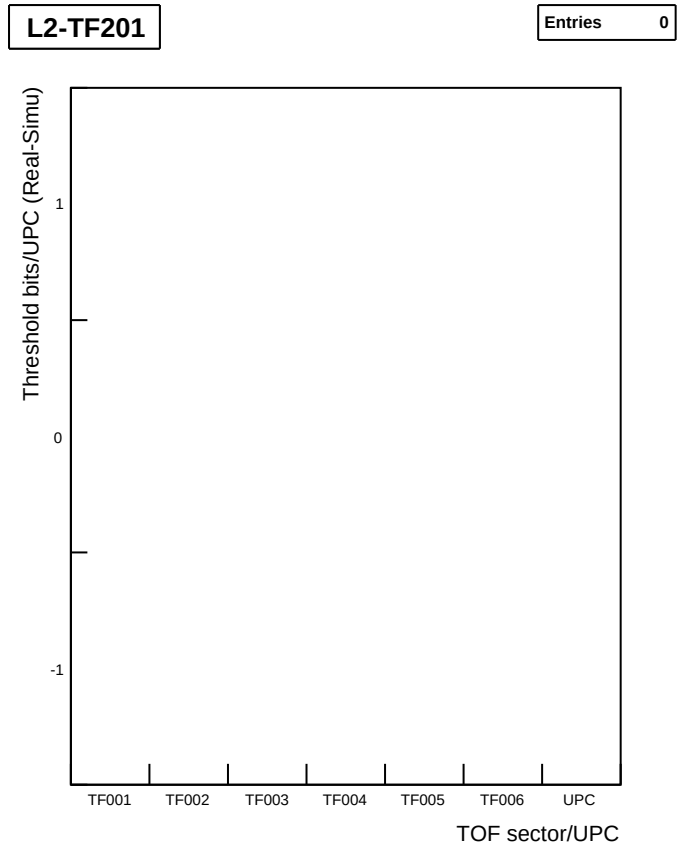

MIX-TF101
Entries 4210674
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

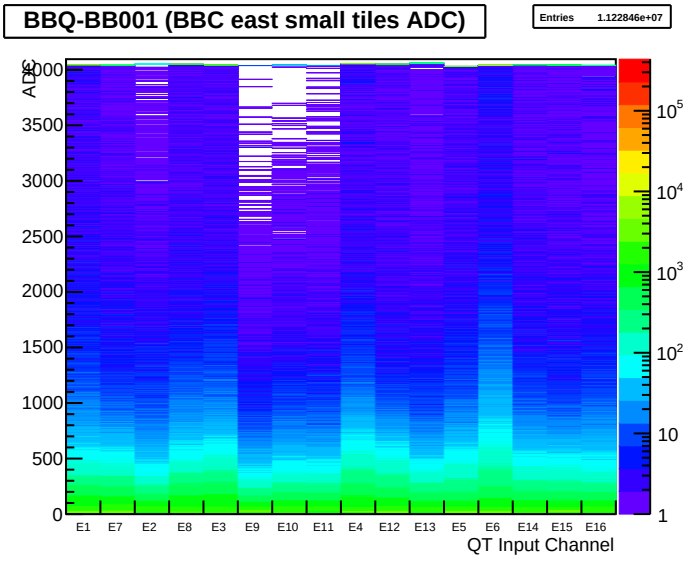

MIX-TF101
Entries 519939
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

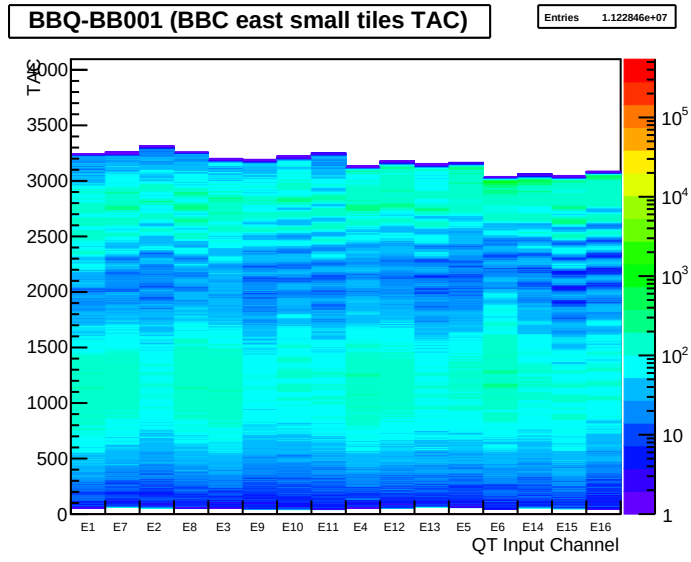

L2-TF201
Entries 701779
TOF total mult

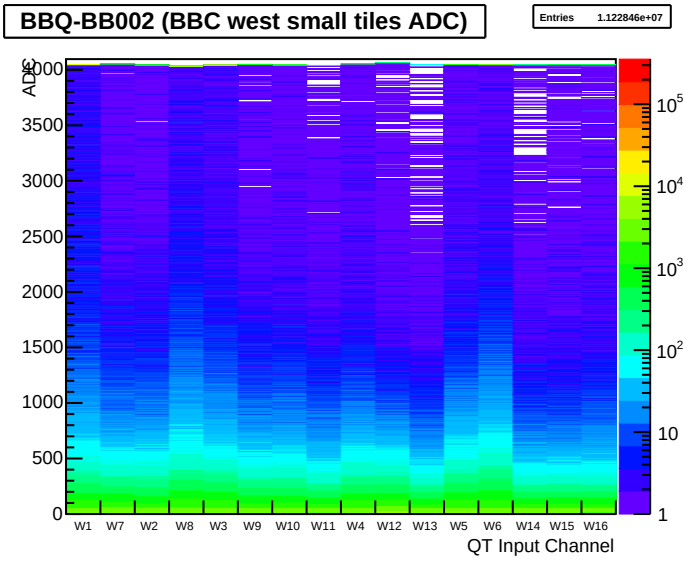

L2-TF201
Entries 0
TOF total mult(Real-Simu)

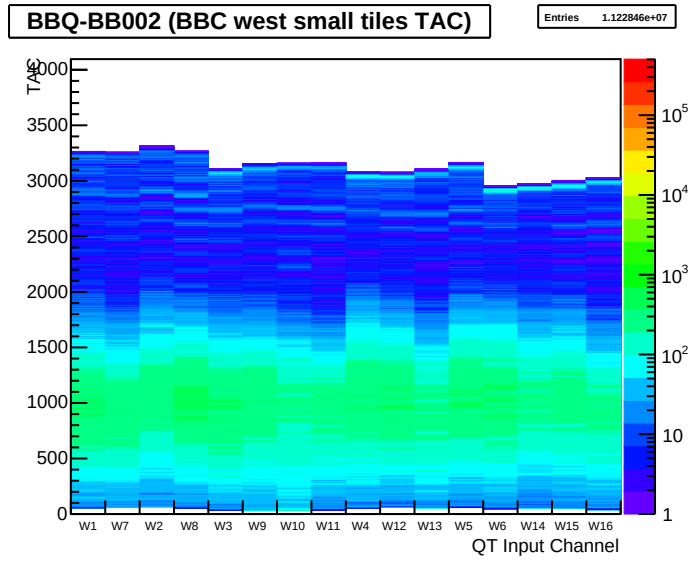

L2-TF201
Entries 4912453
Threshold/UPC bits
619911
625255
619735
625304
620284
617587
669014
81868
76524
82044
76475
81495
84192
32765
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

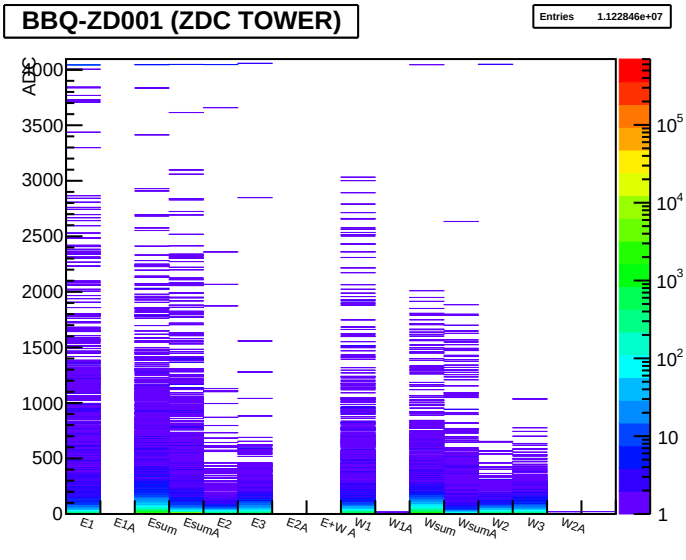

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

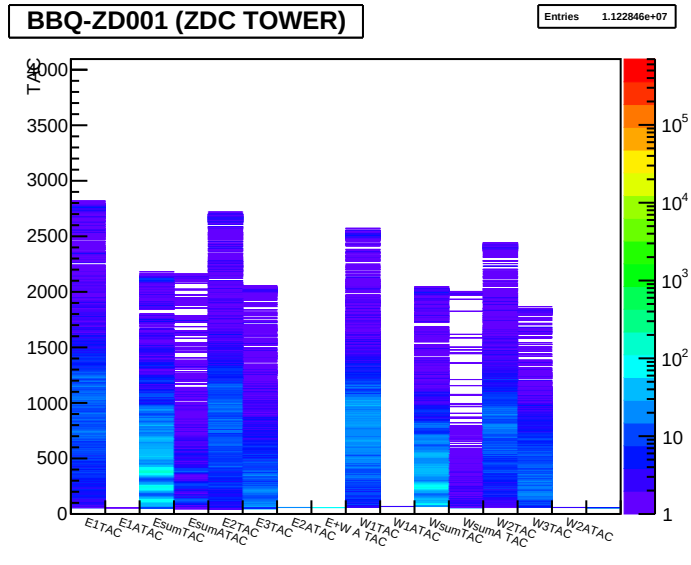

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.122846e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

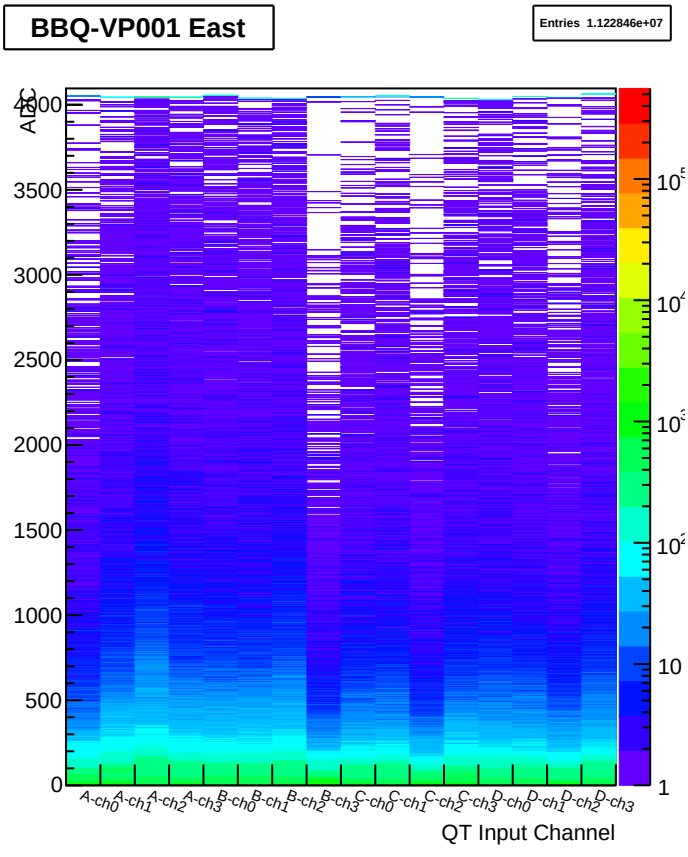

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.122846e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

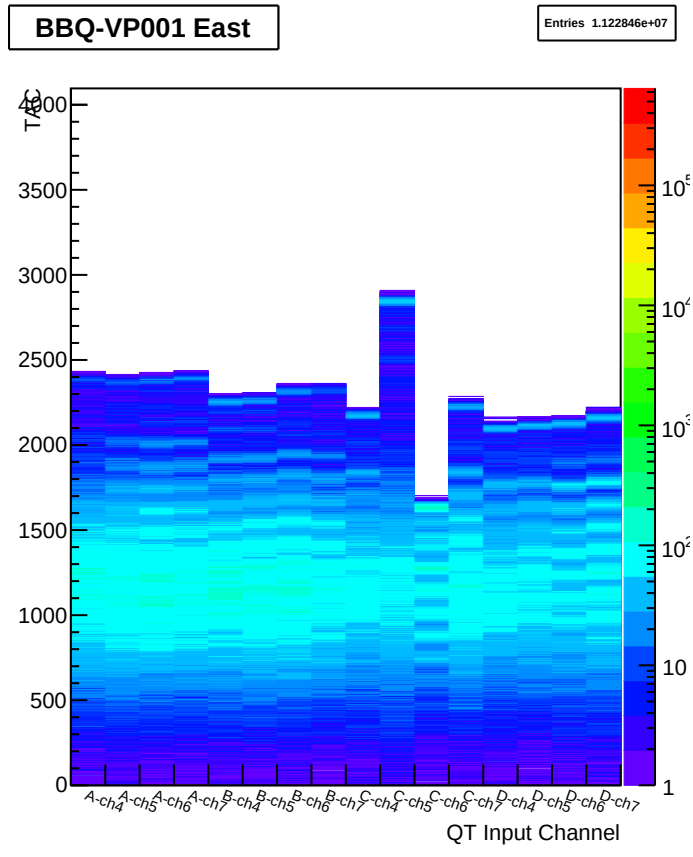

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.122846e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

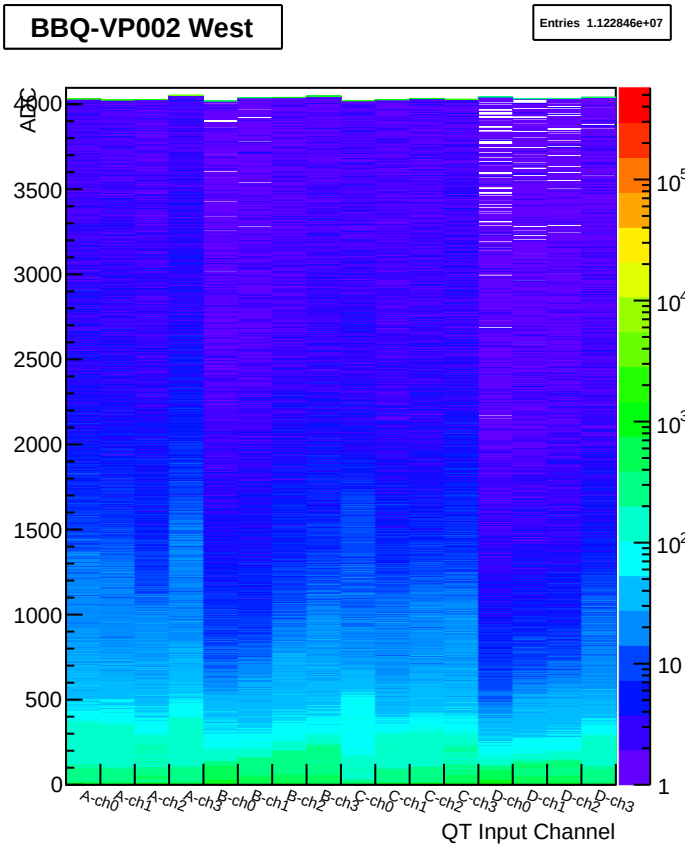

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.122846e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

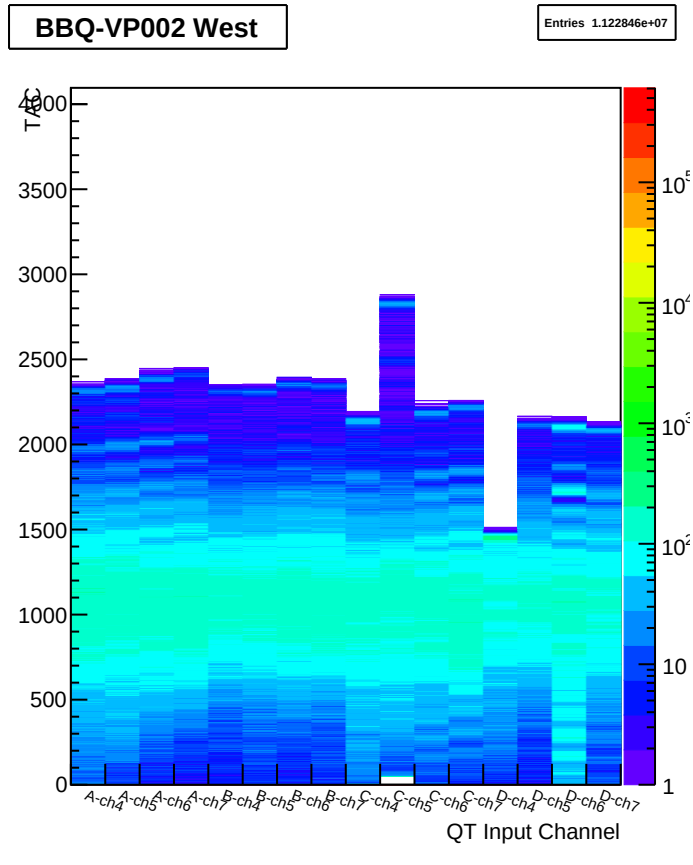

BBQ-ZD001 (ZDC TOWER)
Entries 1.122846e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

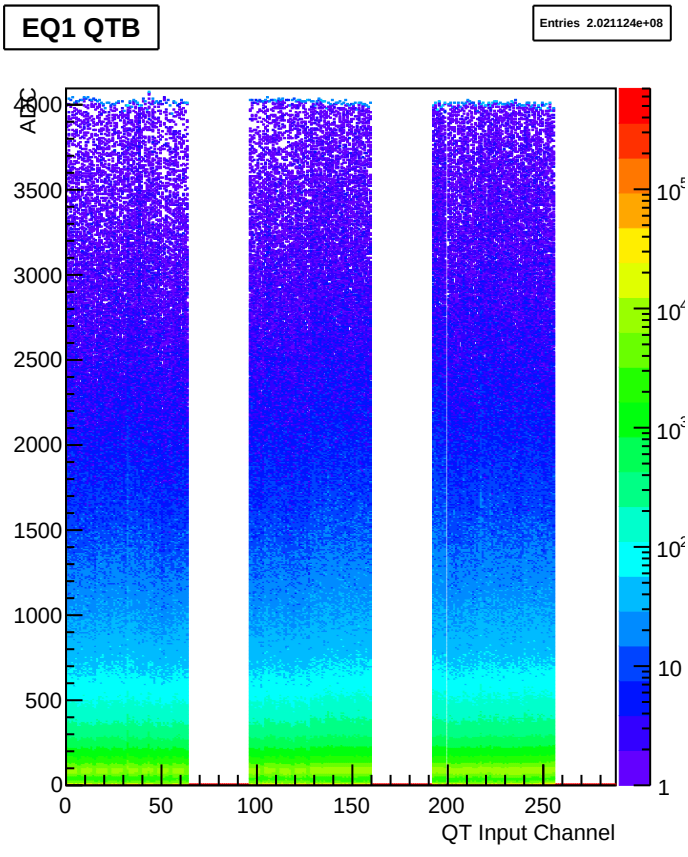

BBQ-ZD001 (ZDC TOWER)
Entries 1.122846e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

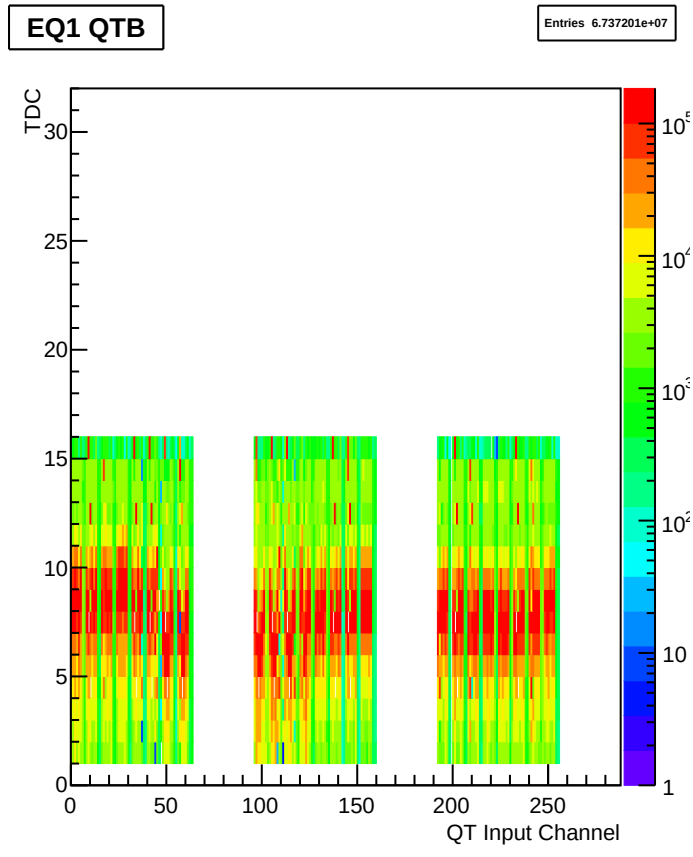

BBQ-VP001 East
Entries 1.122846e+07
ADC
QT Input Channel

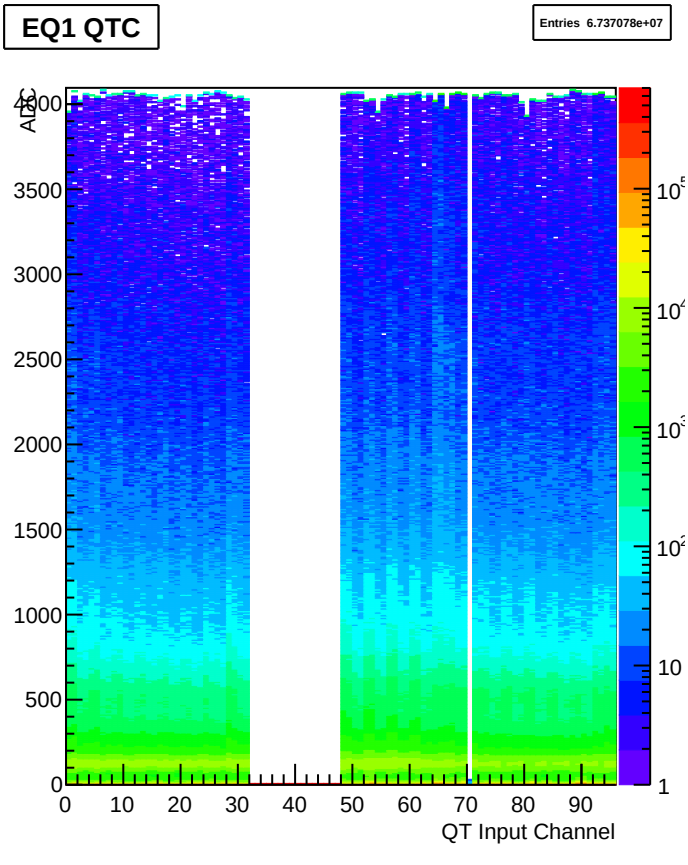

BBQ-VP001 East
Entries 1.122846e+07
ADC
QT Input Channel

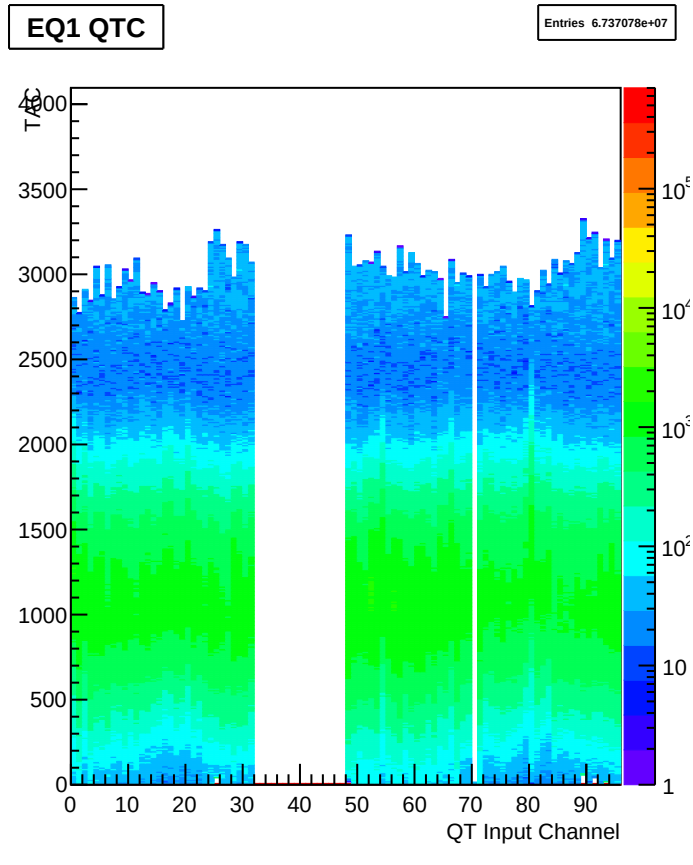

BBQ-VP002 West
Entries 1.122846e+07
ADC
QT Input Channel

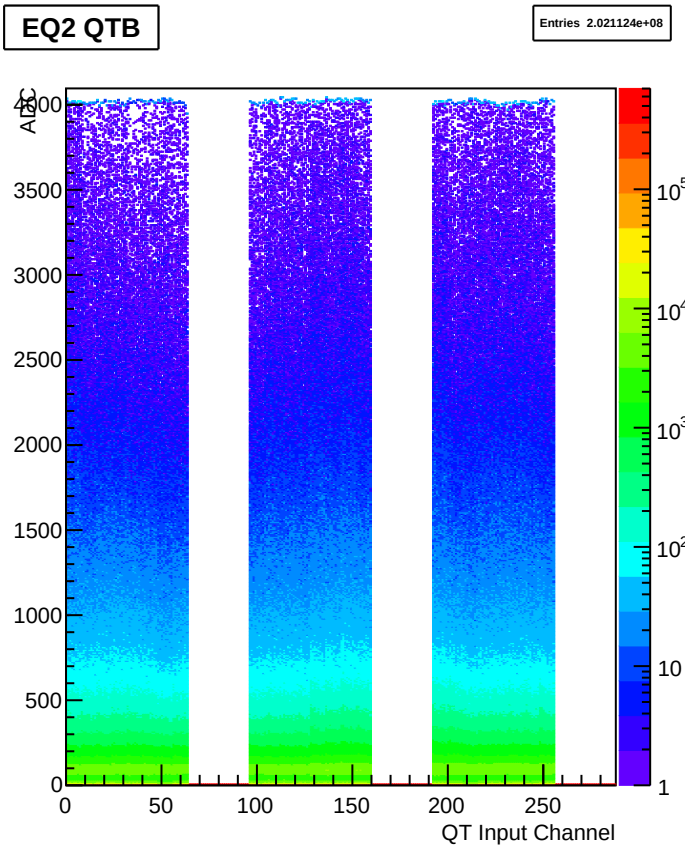

BBQ-VP002 West
Entries 1.122846e+07
ADC
QT Input Channel

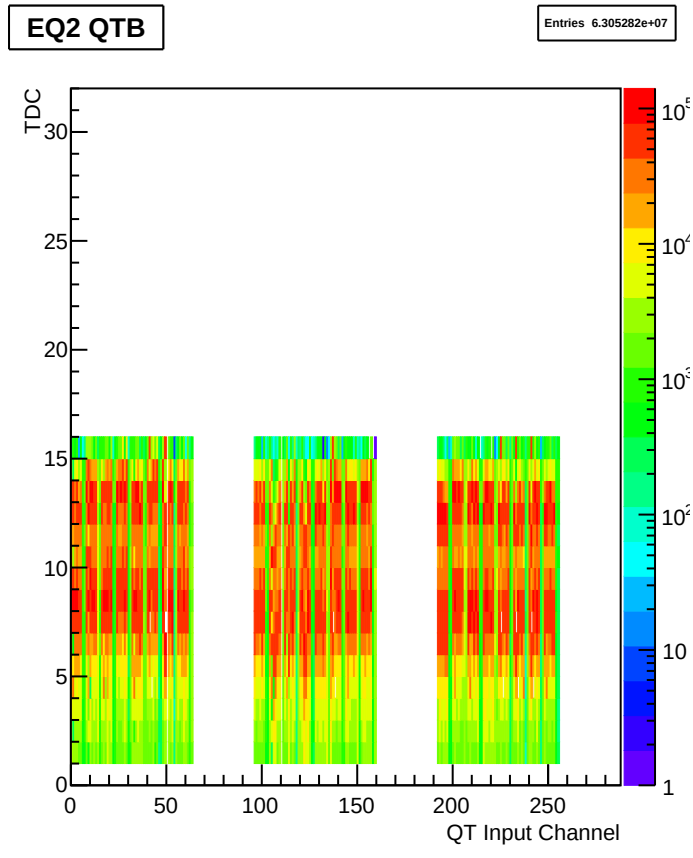

EQ1 QTB
Entries 2.021124e+08
ADC
QT Input Channel

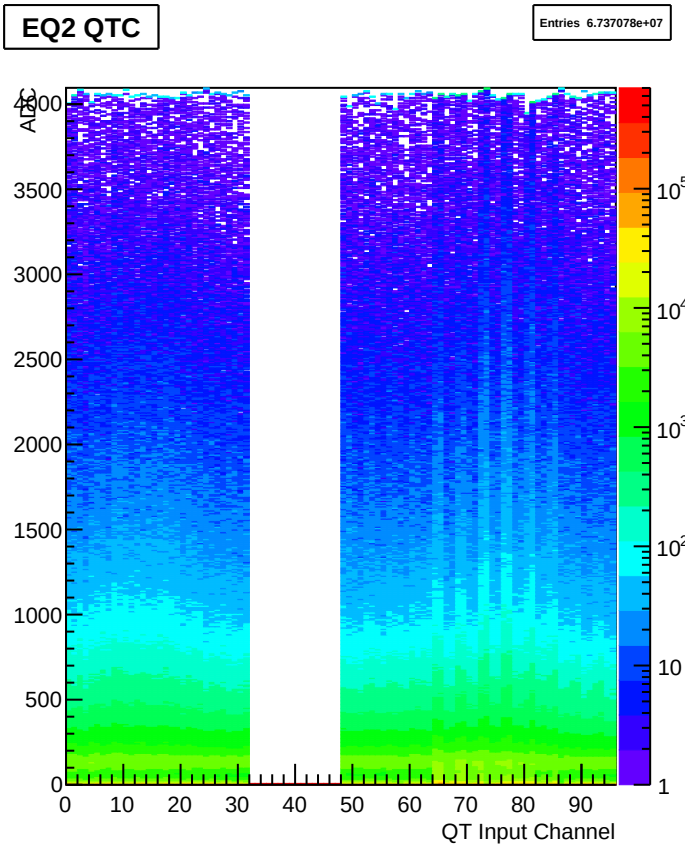

EQ1 QTB
Entries 6.737201e+07
TDC
QT Input Channel

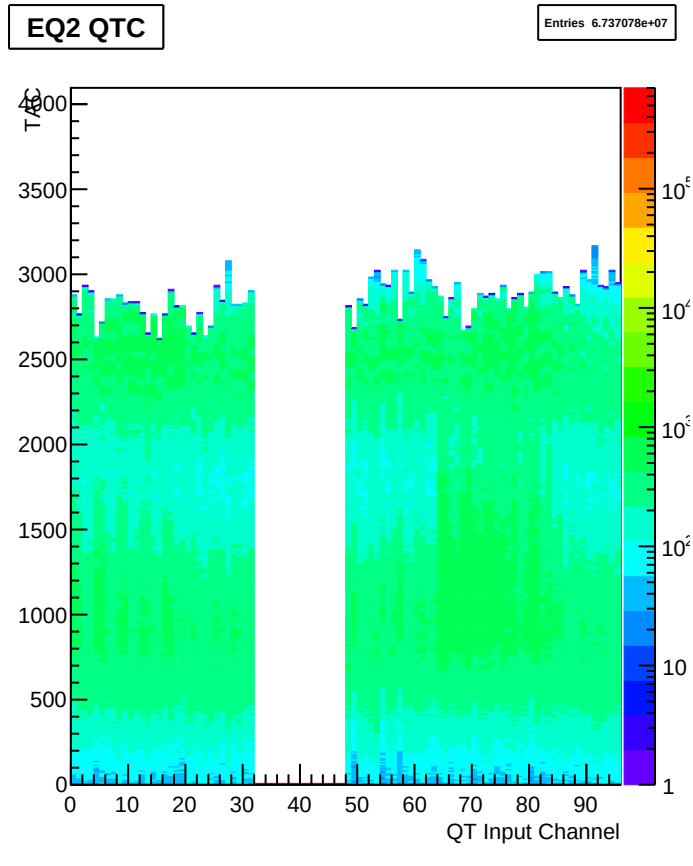

EQ1 QTC
Entries 6.737078e+07
ADC
QT Input Channel

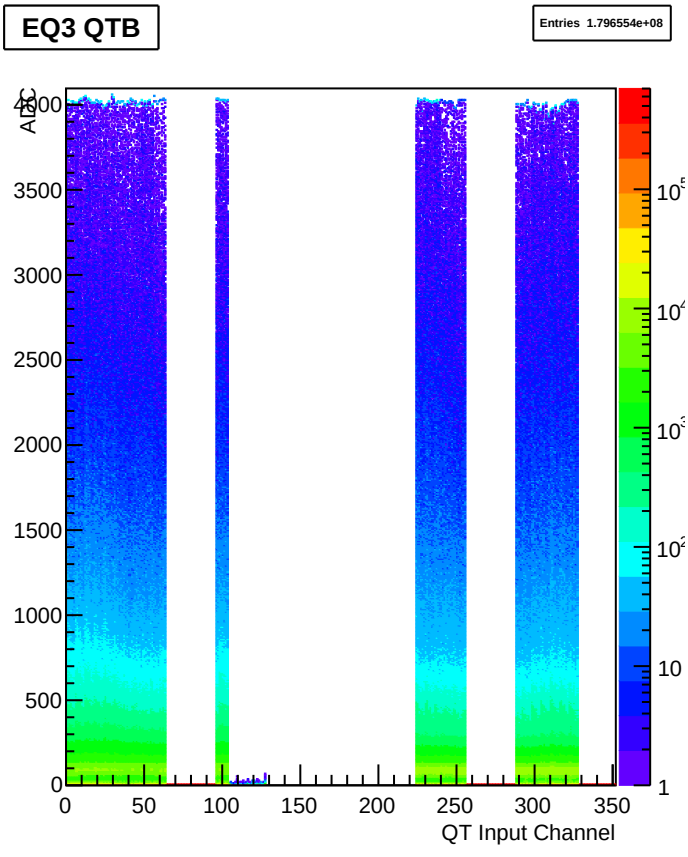

EQ1 QTC
Entries 6.737078e+07
TADC
QT Input Channel

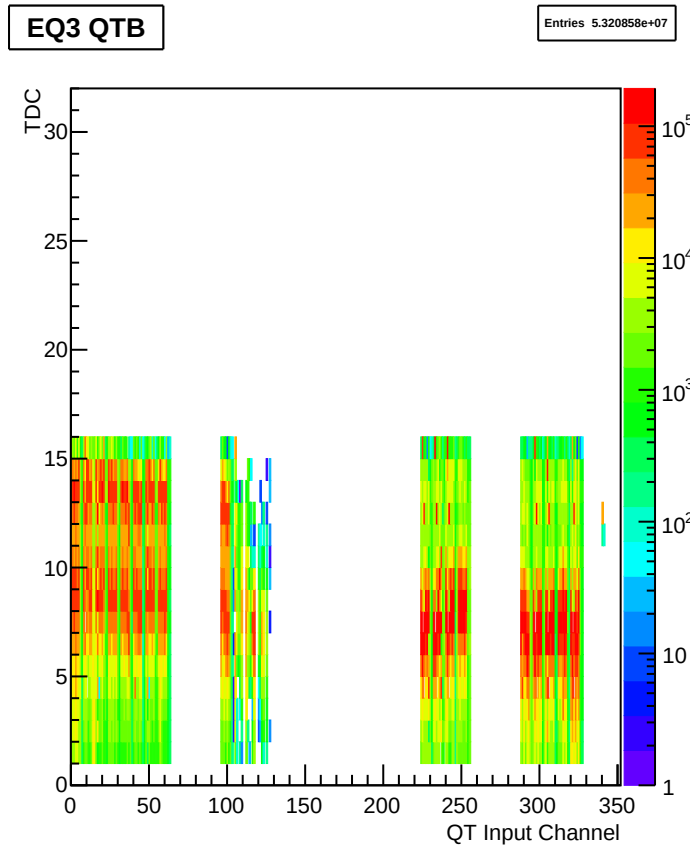

EQ2 QTB
Entries 2.021124e+08
ADC
QT Input Channel

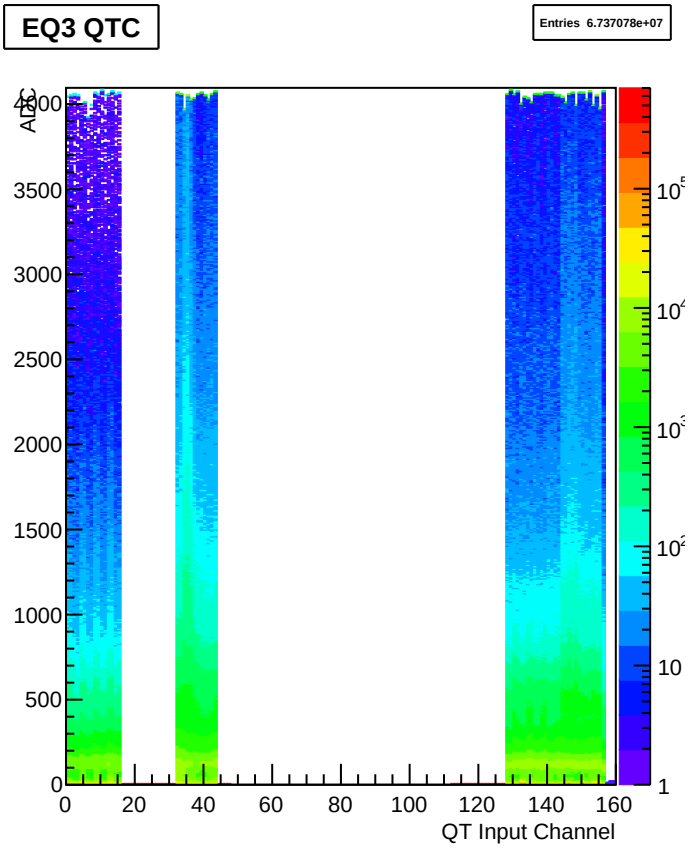

EQ2 QTB
Entries 6.305282e+07
TDC
QT Input Channel

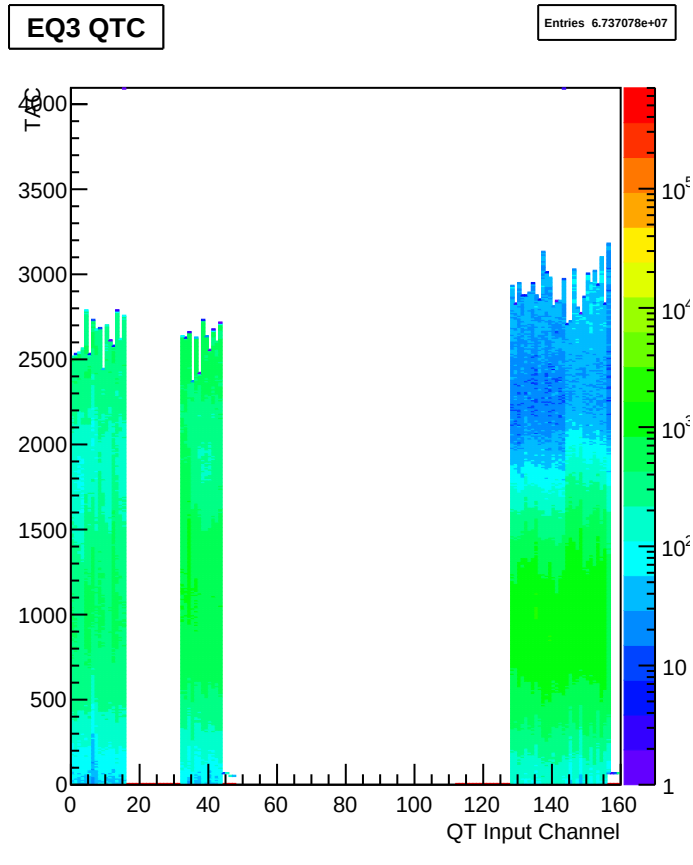

EQ2 QTC
Entries 6.737078e+07
ADC
QT Input Channel

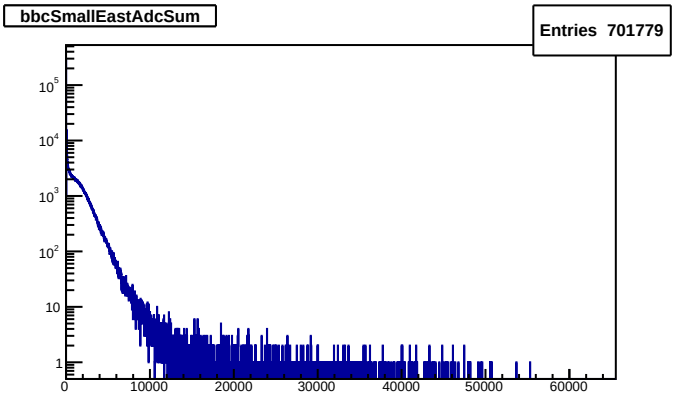

EQ2 QTC
Entries 6.737078e+07
TADC
QT Input Channel

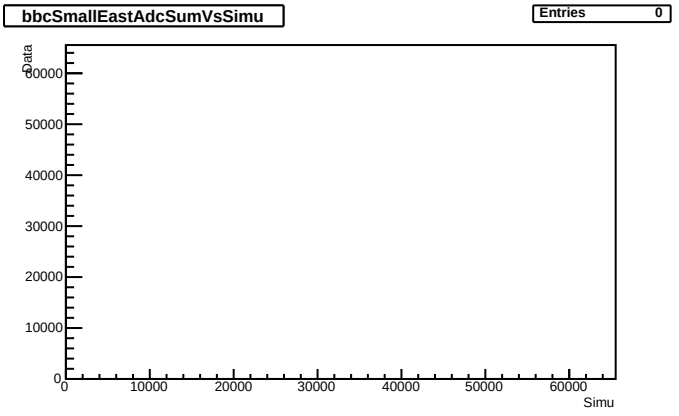

EQ3 QTB
Entries 1.796554e+08
ADC
QT Input Channel

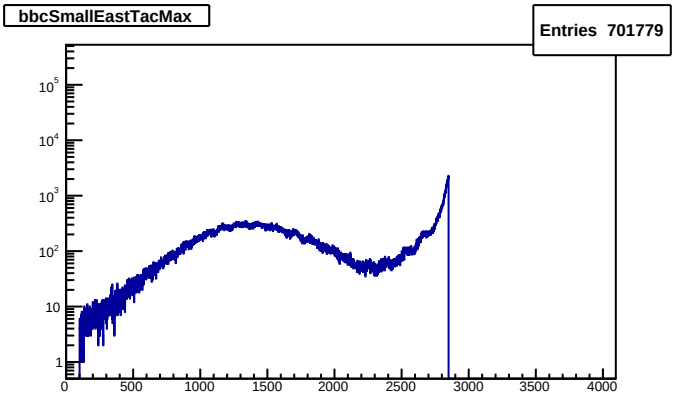

EQ3 QTB
Entries 5.320858e+07
TDC
QT Input Channel


EQ3 QTC
Entries 6.737078e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.737078e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 701779


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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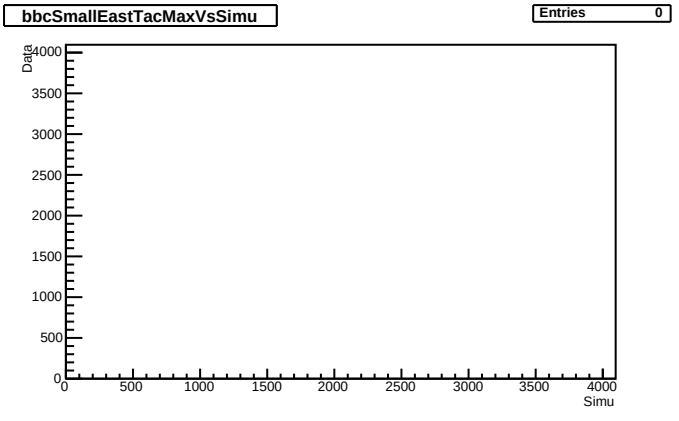
Entries 701779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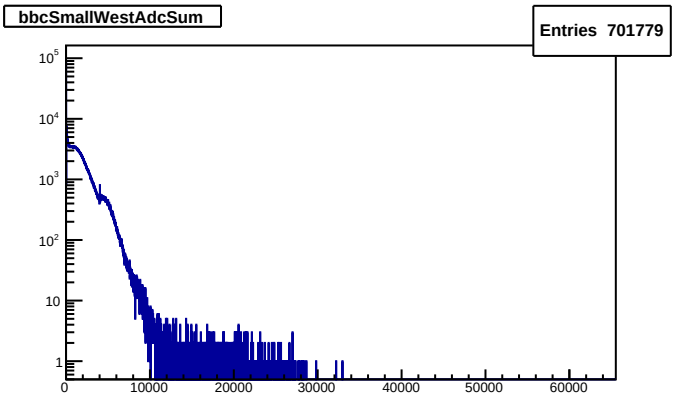
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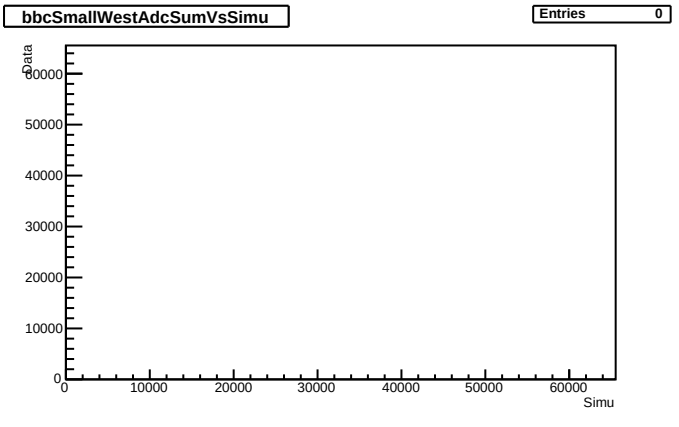
Entries 701779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Entries 0
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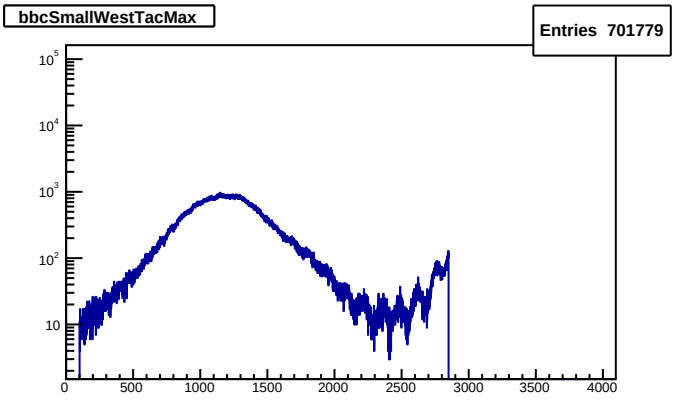
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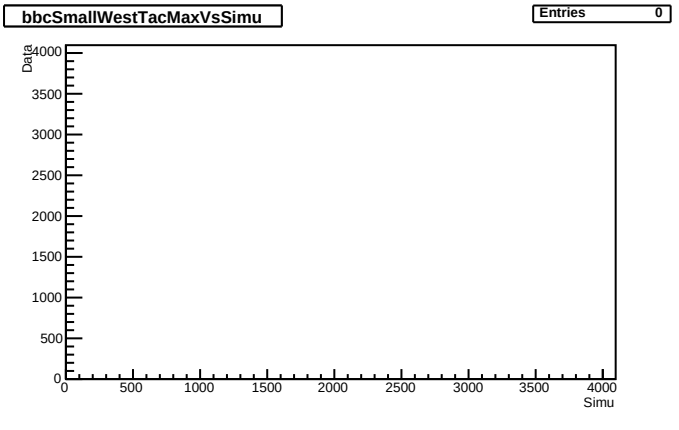
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Entries 0
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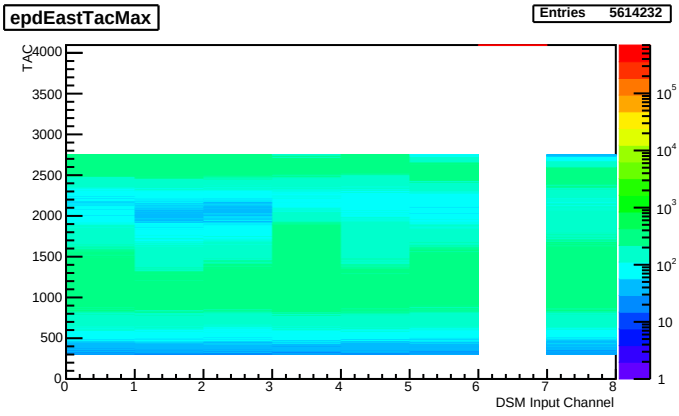
Simu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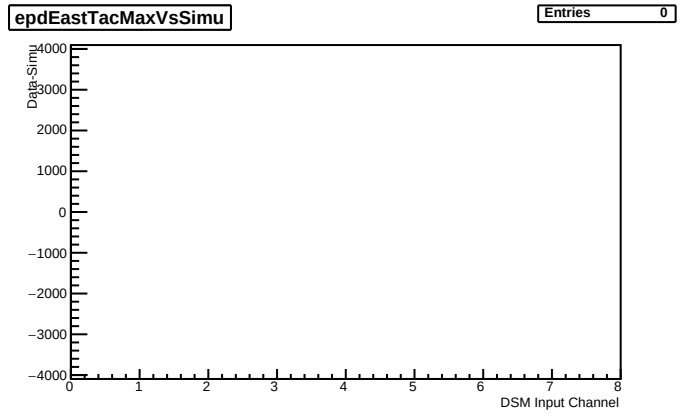
DSM Input Channel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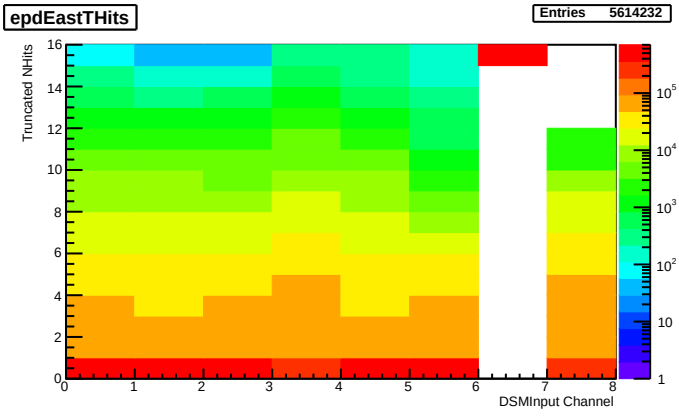
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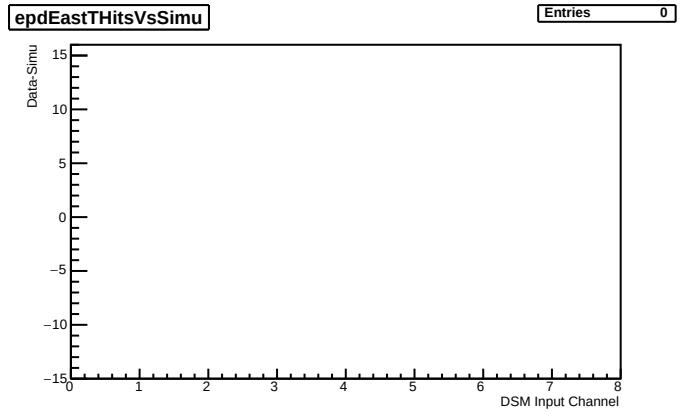
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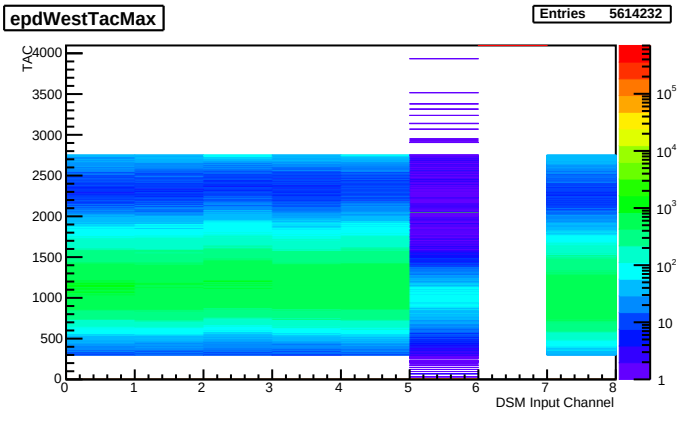
DSM Input Channel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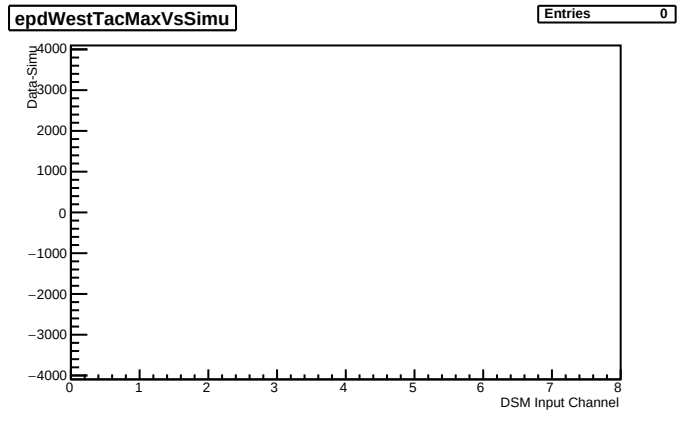
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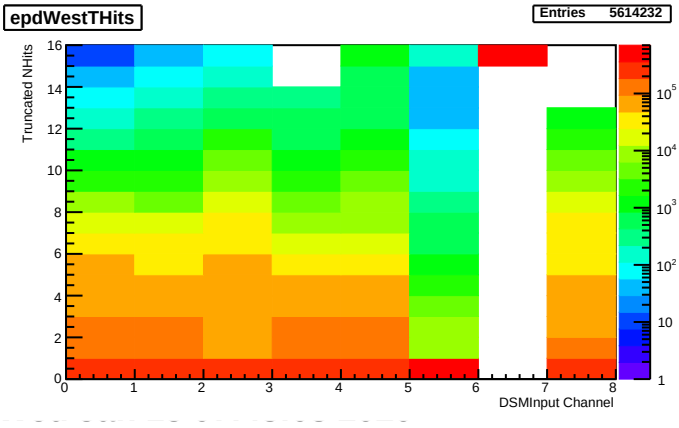
Data-Simu
DSM Input Channel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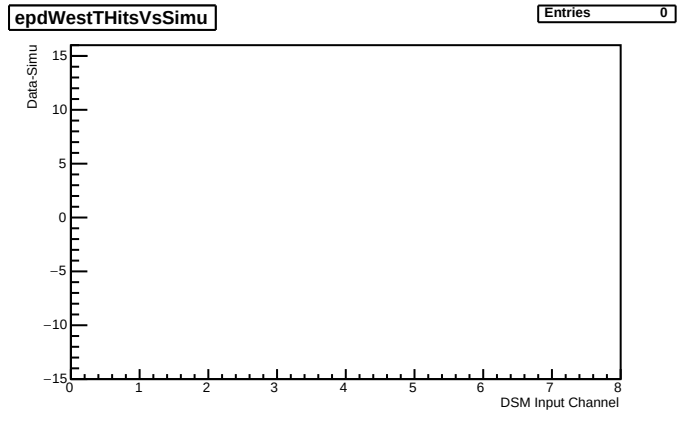
Entries 5614232
Truncated NHits
DSMInput Channel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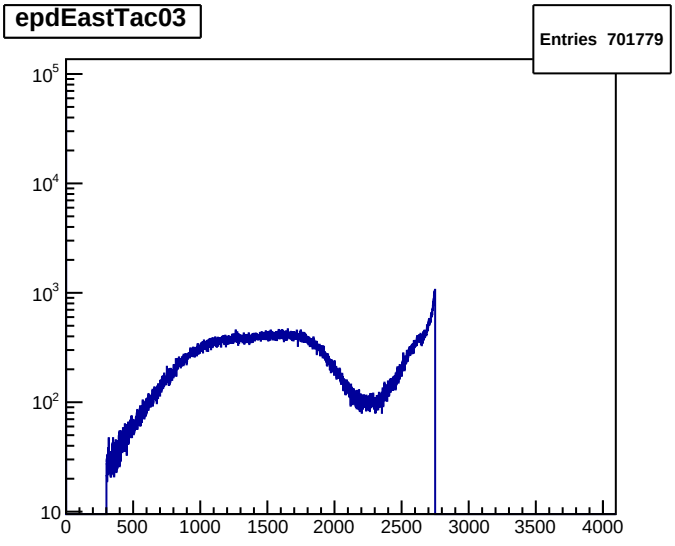
DSM Input Channel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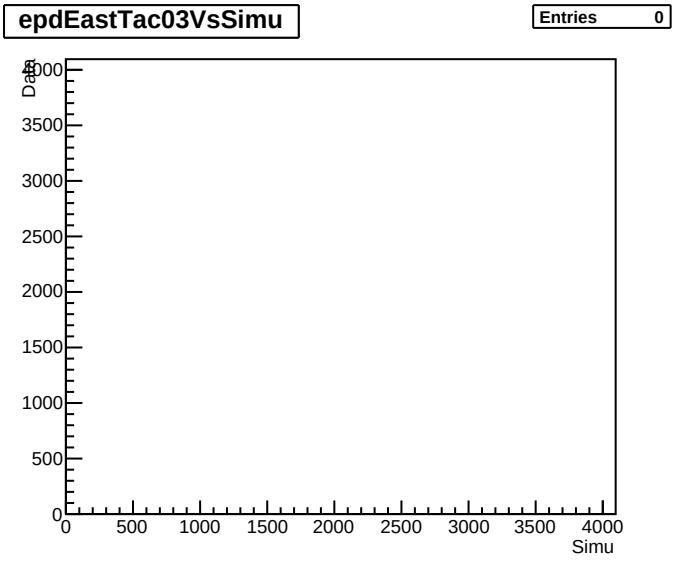
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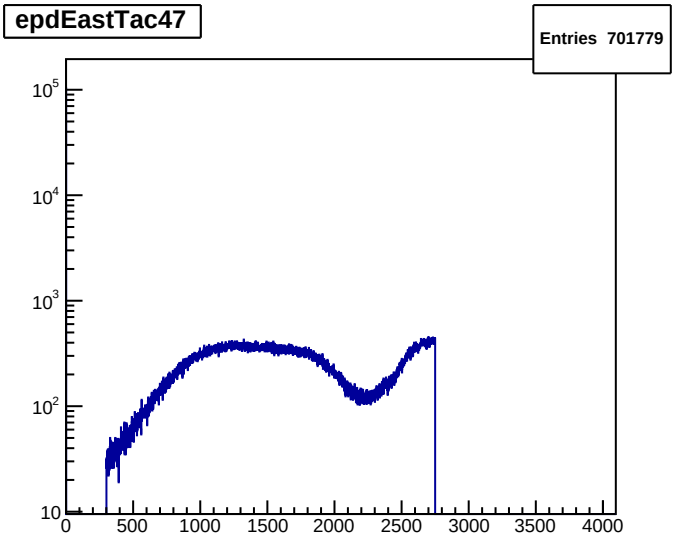
Entries 0
Data
Simu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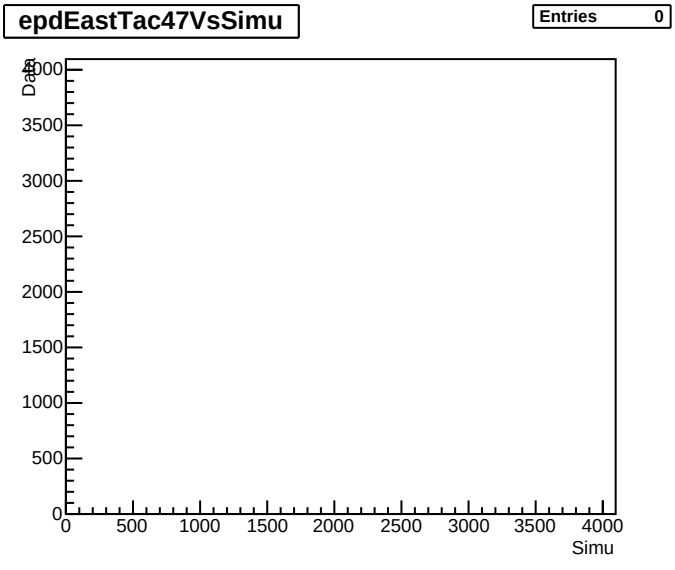
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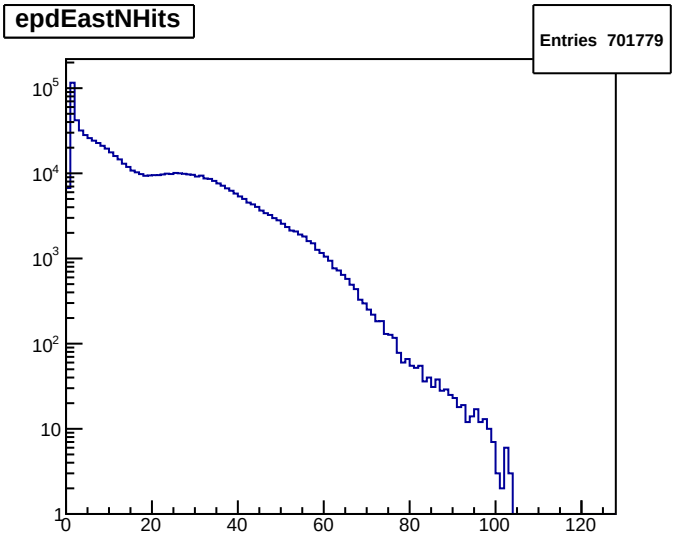
Entries 0
Data
Simu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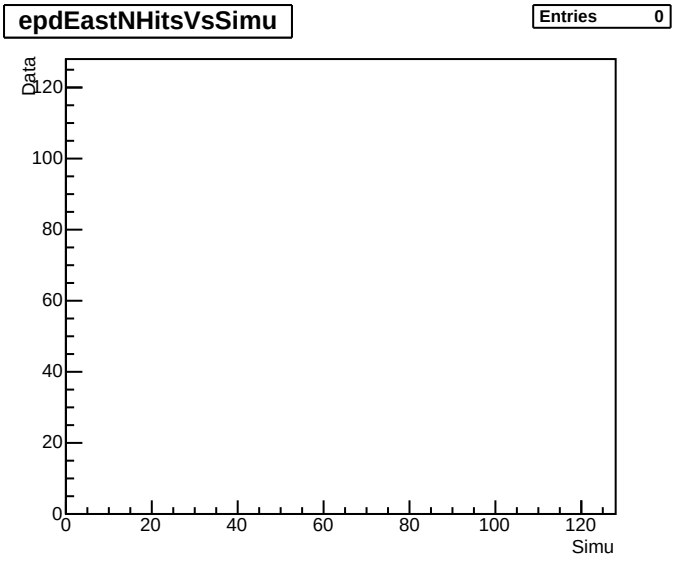
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Entries 0
Data
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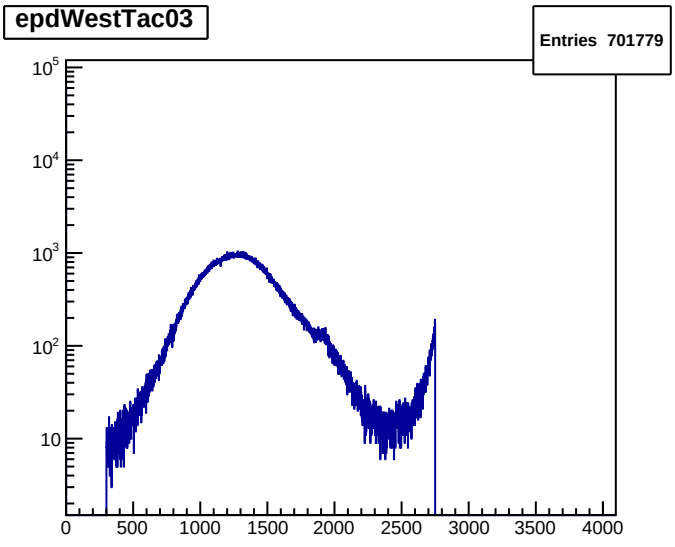
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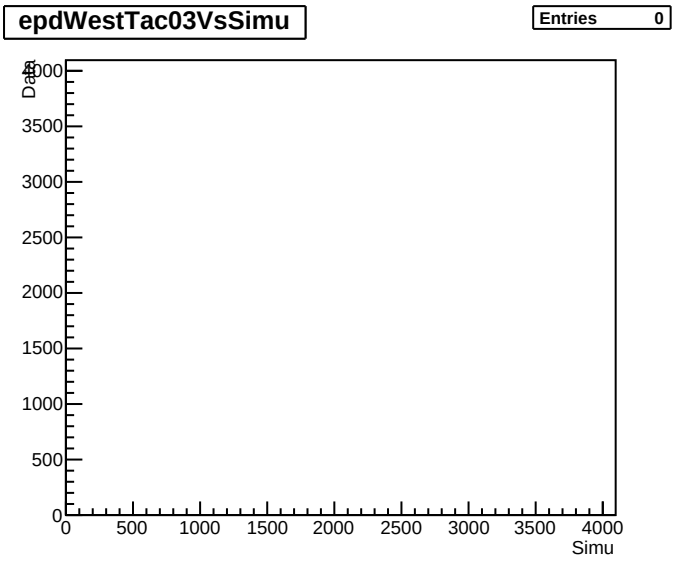
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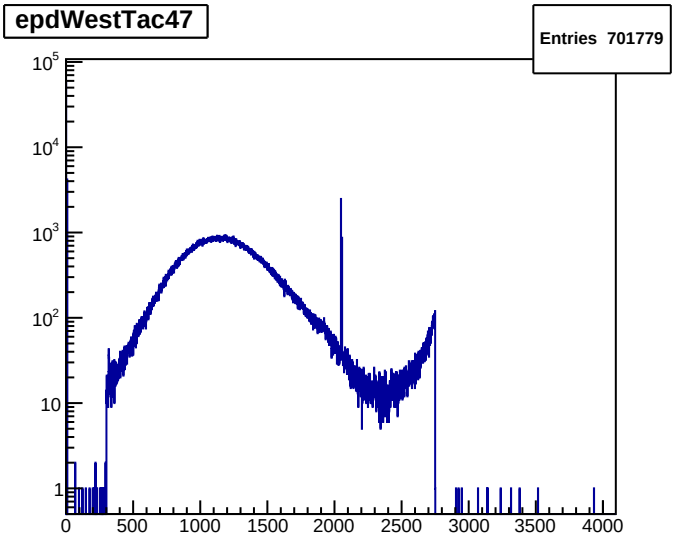
Simu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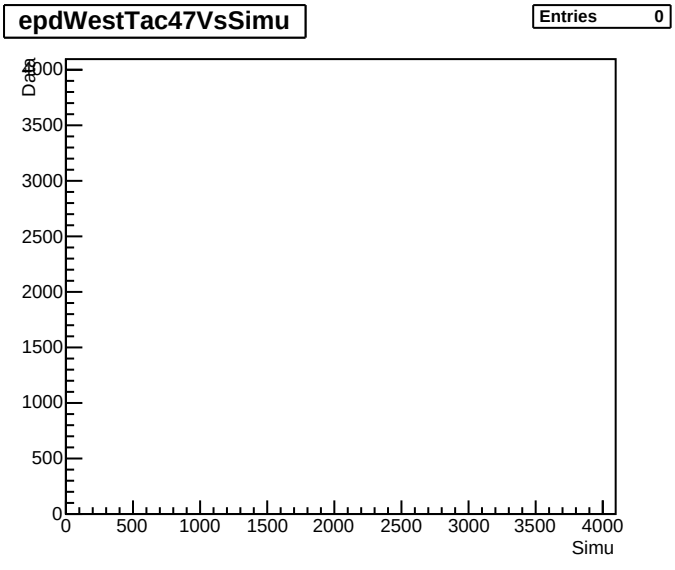
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Data
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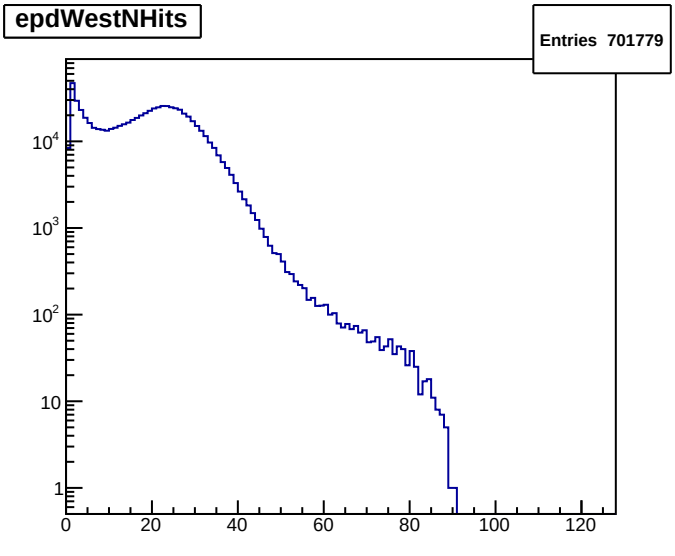
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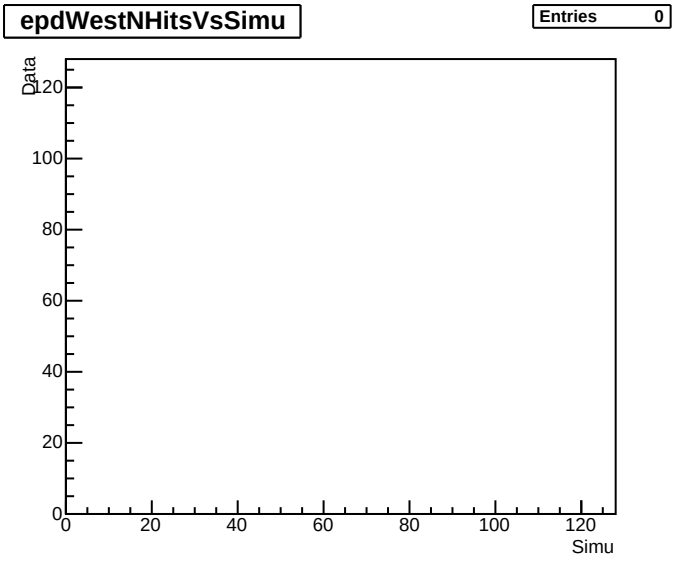
Entries 701779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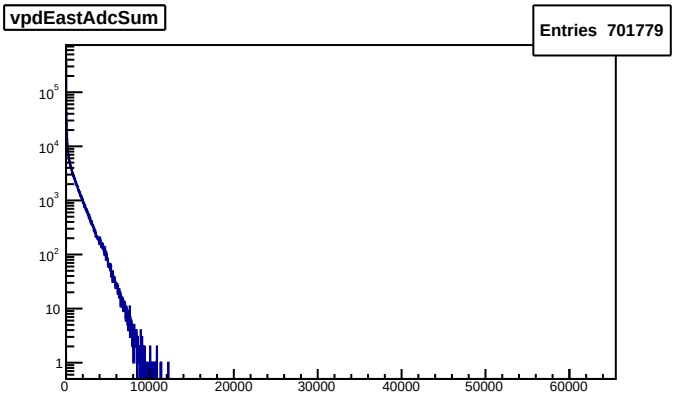
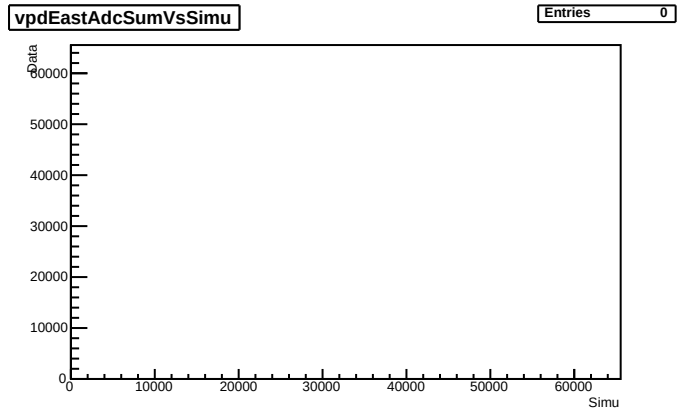
Entries 0
Data
Simu


vpdEastAdcSum
Entries 701779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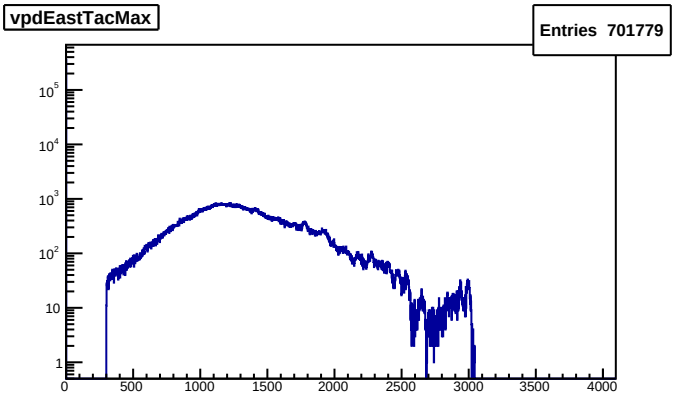
Entries 0
Data
Simu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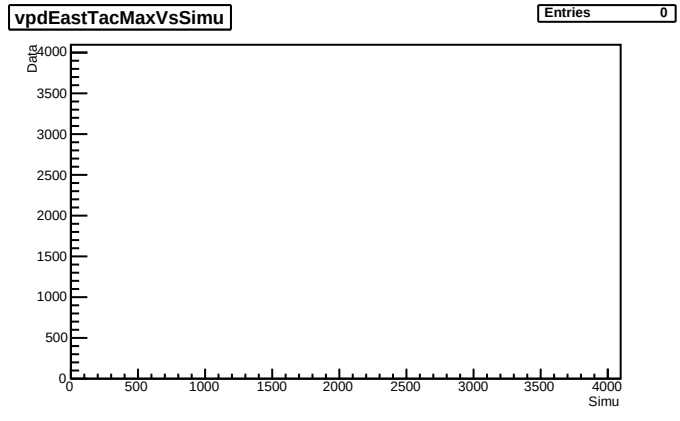
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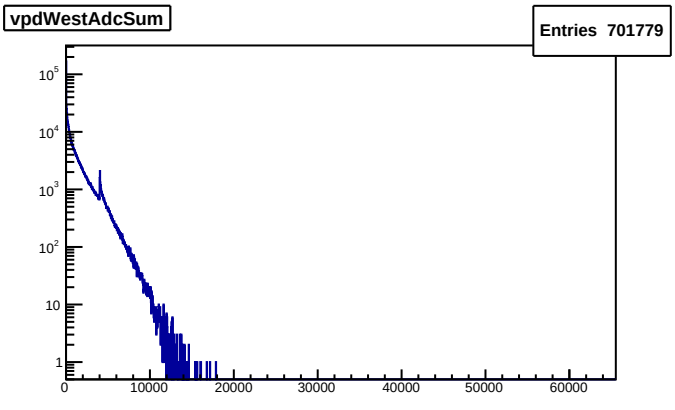
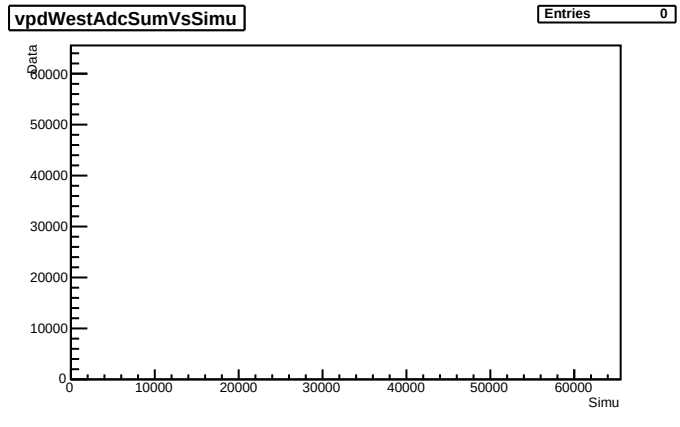

vpdWestAdcSum
Entries 701779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Entries 0
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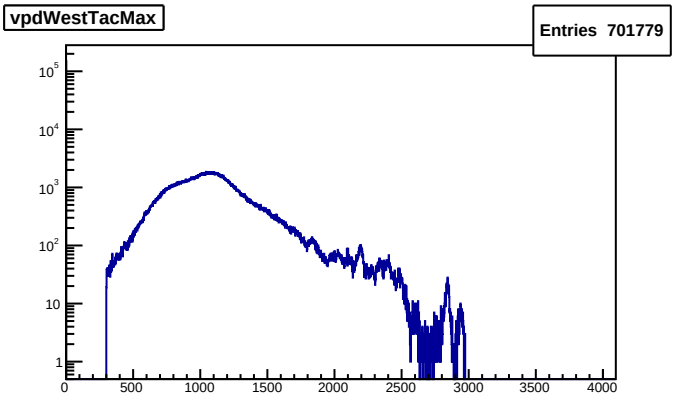
Simu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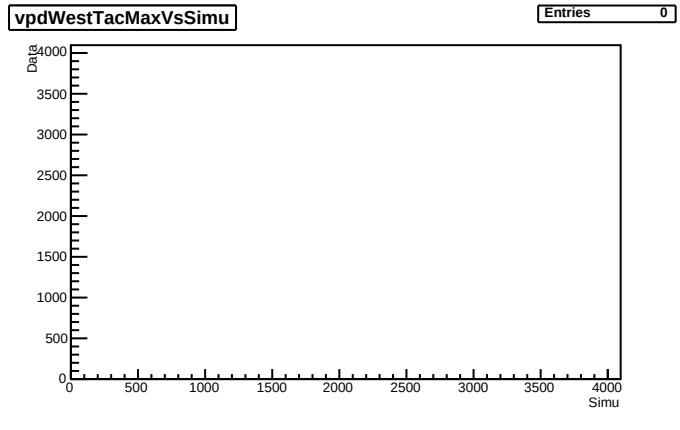
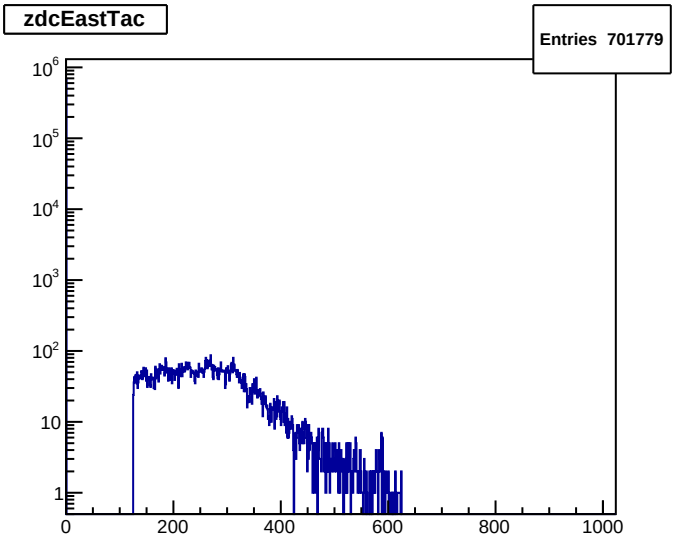
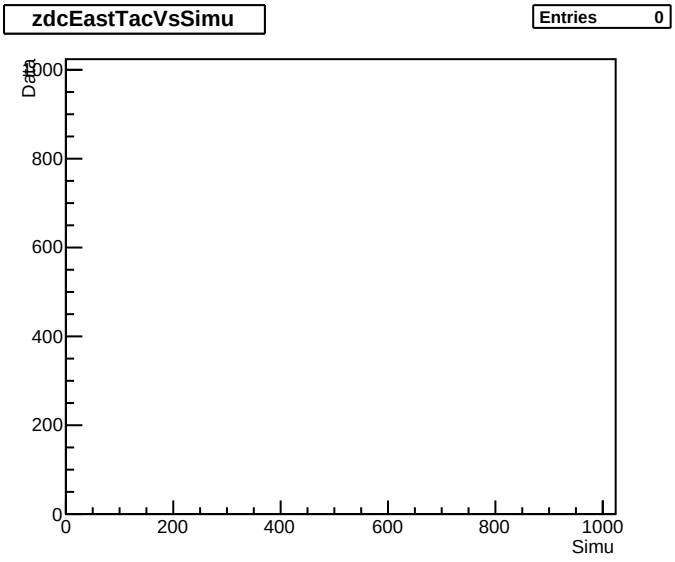
Entries 701779


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 701779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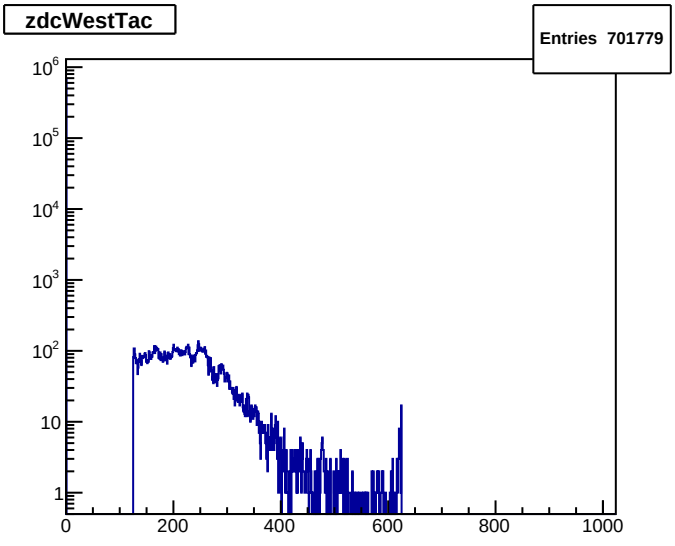
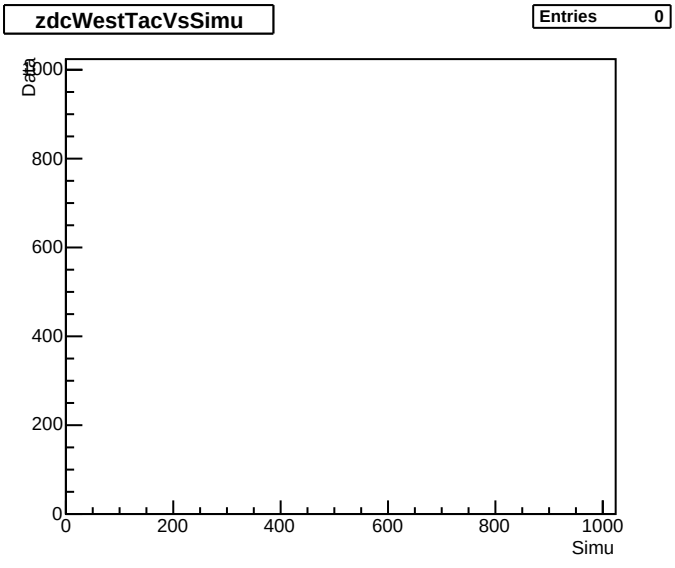
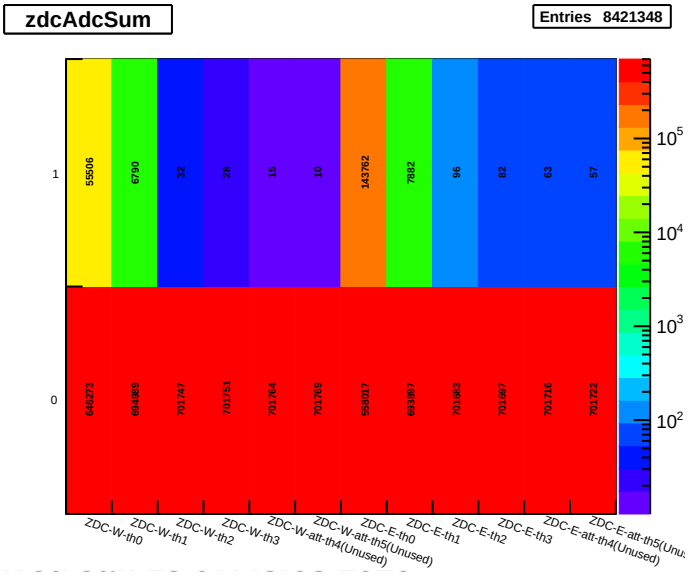
Entries 0
Data
Simu


zdcWestTac
Entries 701779


zdcWestTacVsSimu
Entries 0
Data
Simu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Entries 8421348
55506
6790
32
28
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10
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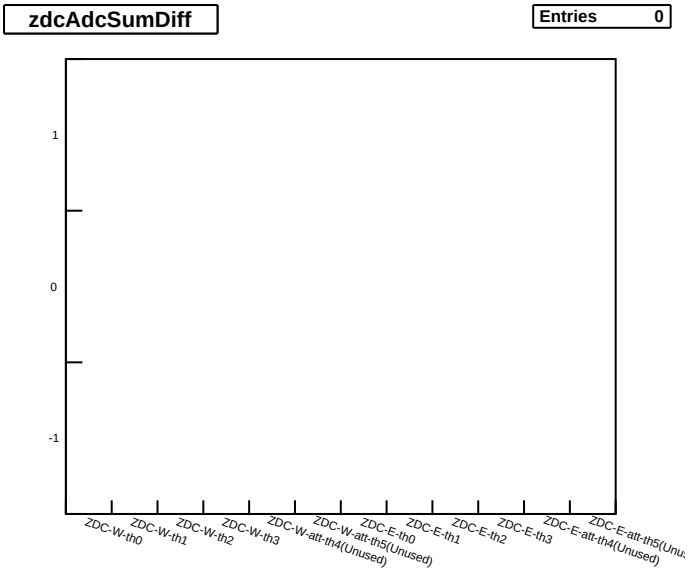
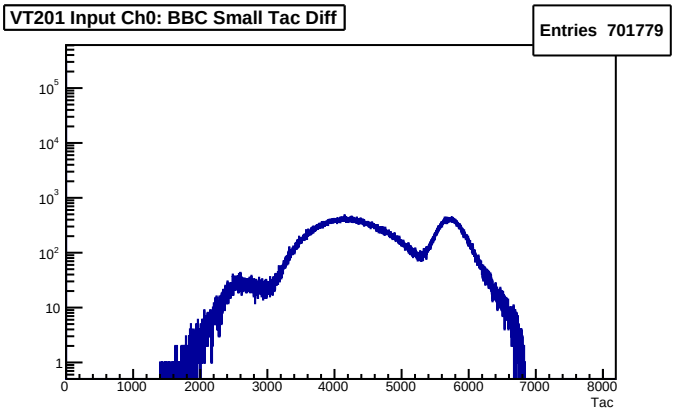
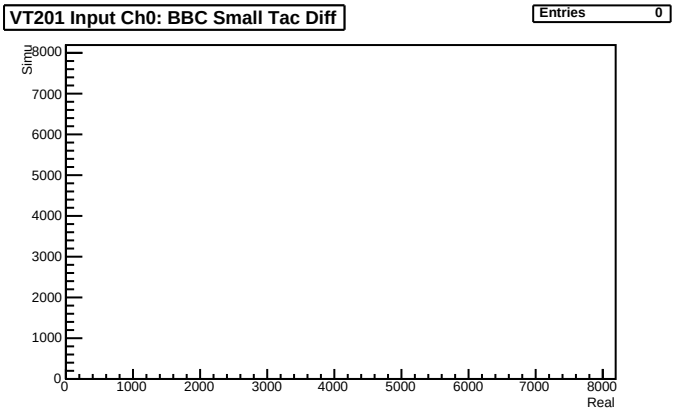
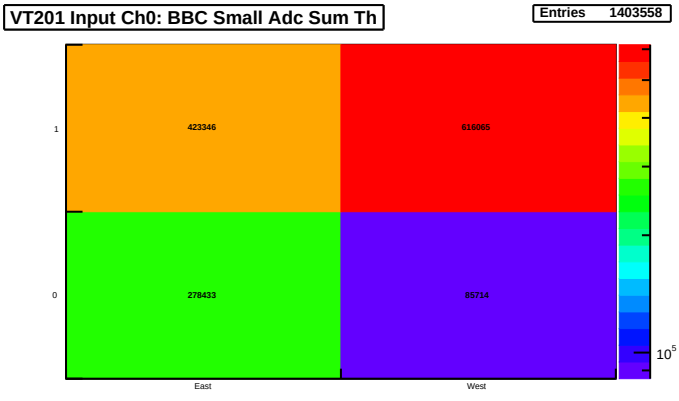
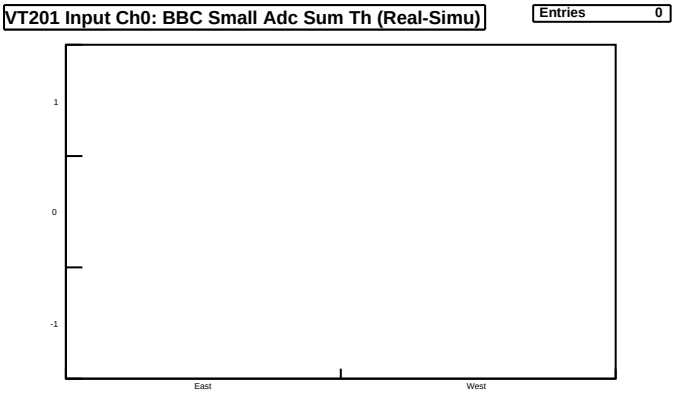
7882
96
82
63
57
646273
694889
701747
701751
701764
701769
558017
693897
701683
701697
701716
701722
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

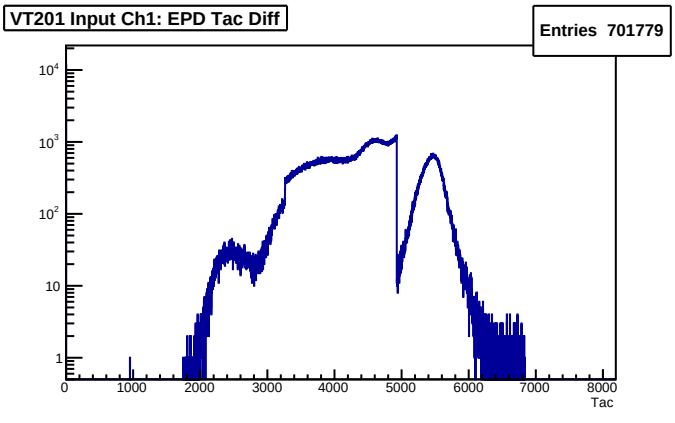

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

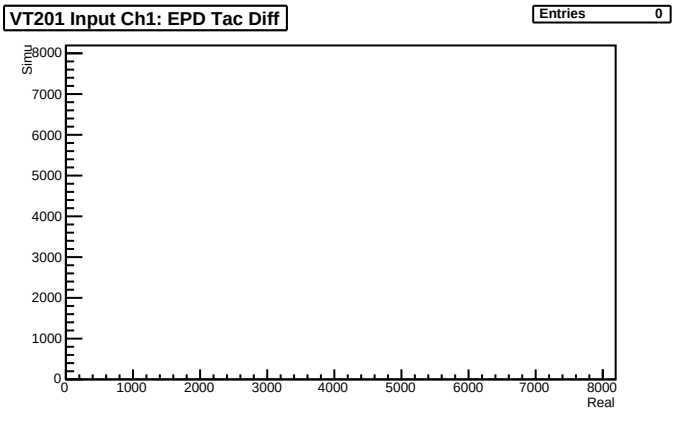

VT201 Input Ch0: BBC Small Tac Diff
Entries 701779
Tac

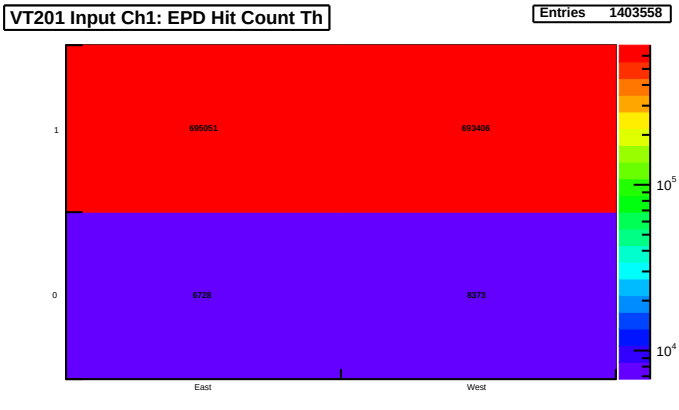

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

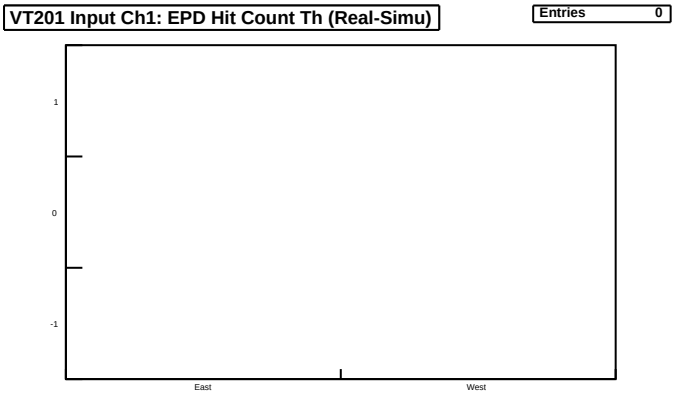

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1403558
423346
616065
278433
85714
East
West

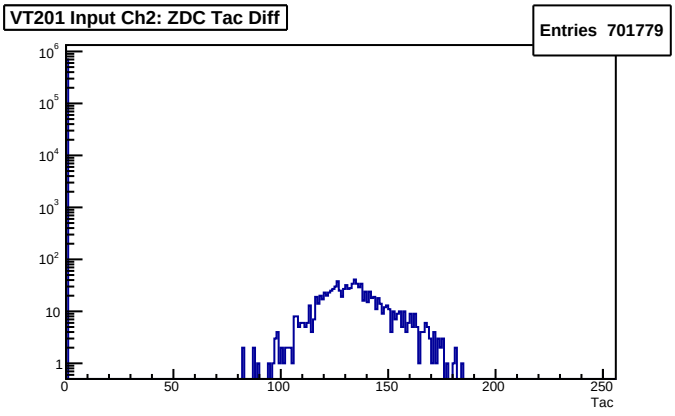

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

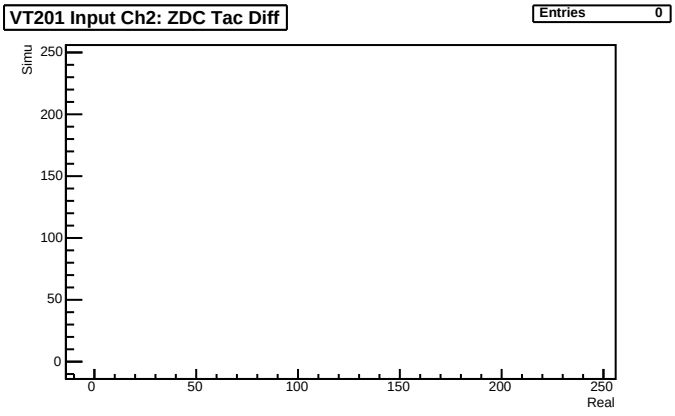

VT201 Input Ch1: EPD Tac Diff
Entries 701779
Tac

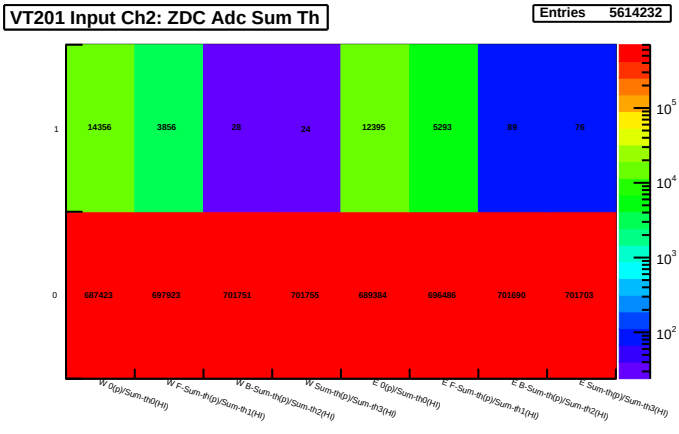

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

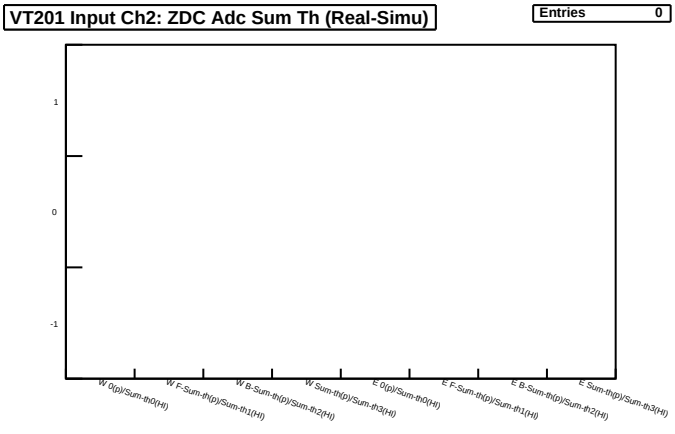

VT201 Input Ch1: EPD Hit Count Th
Entries 1403558
695051
693406
6728
8373
East
West

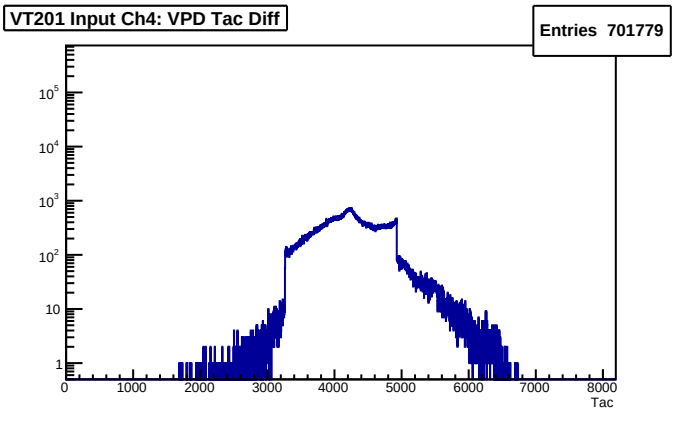

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

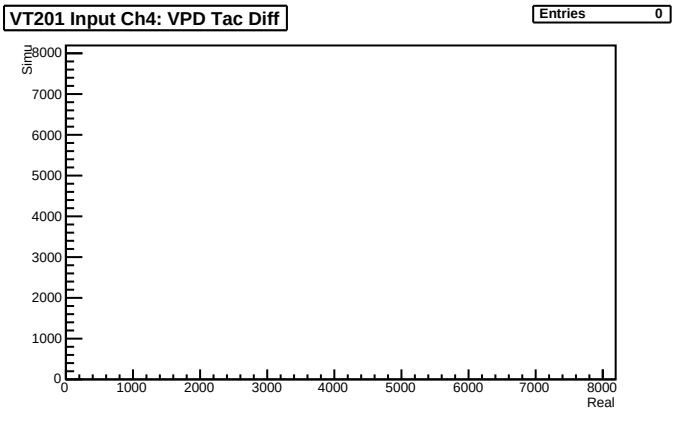

VT201 Input Ch2: ZDC Tac Diff
Entries 701779
Tac

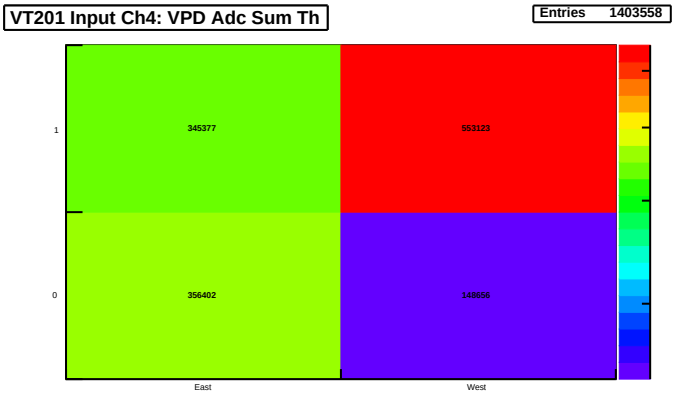

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

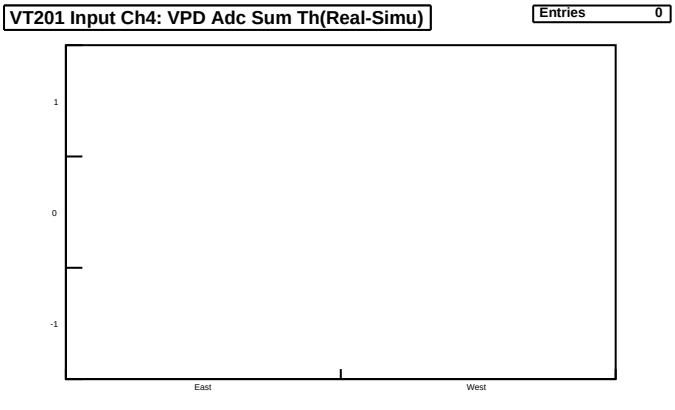

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5614232
14356
3856
28
24
12395
5293
89
76
687423
697923
701751
701755
689384
696486
701690
701703
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

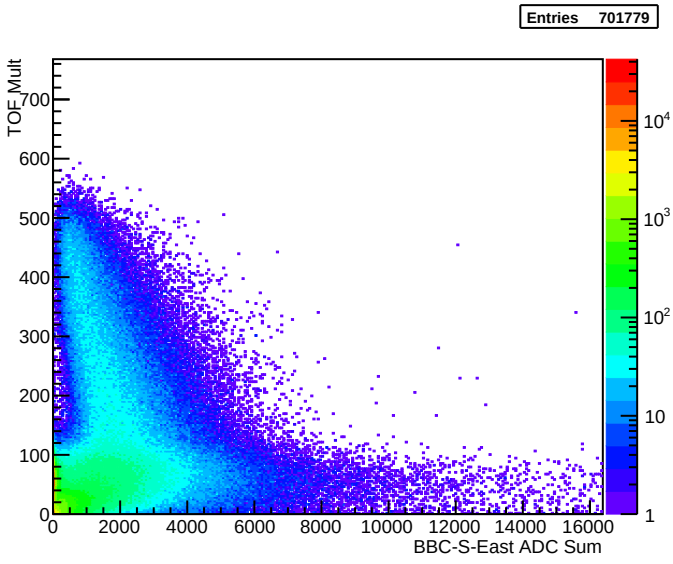

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

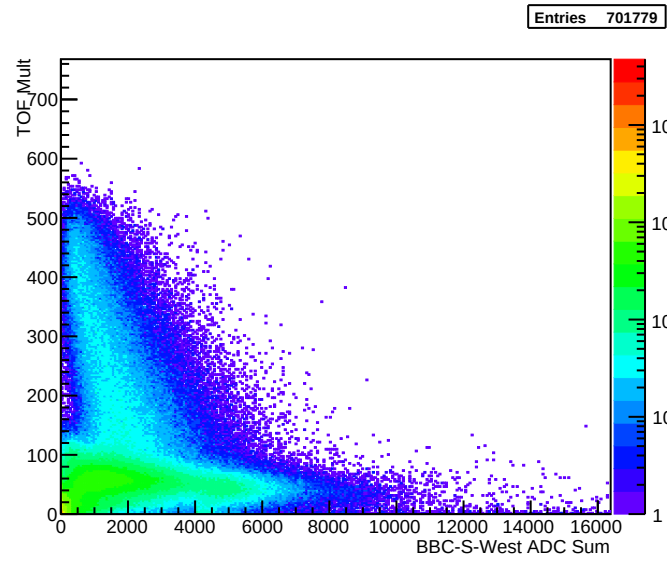

VT201 Input Ch4: VPD Tac Diff
Entries 701779
Tac

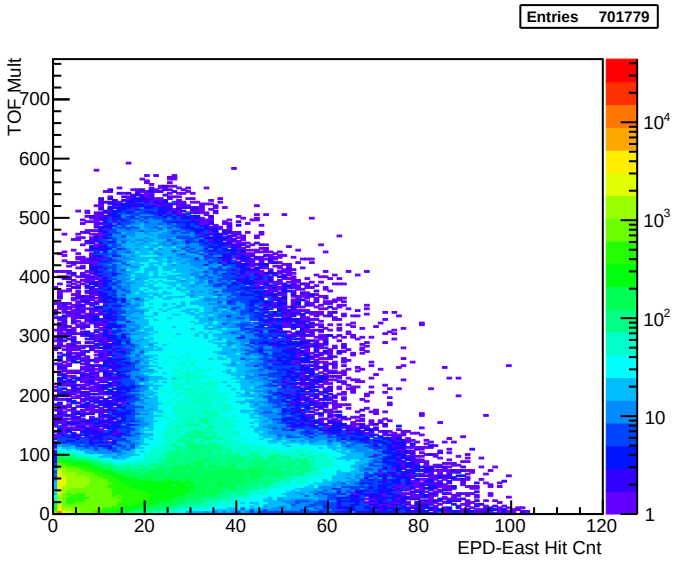

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

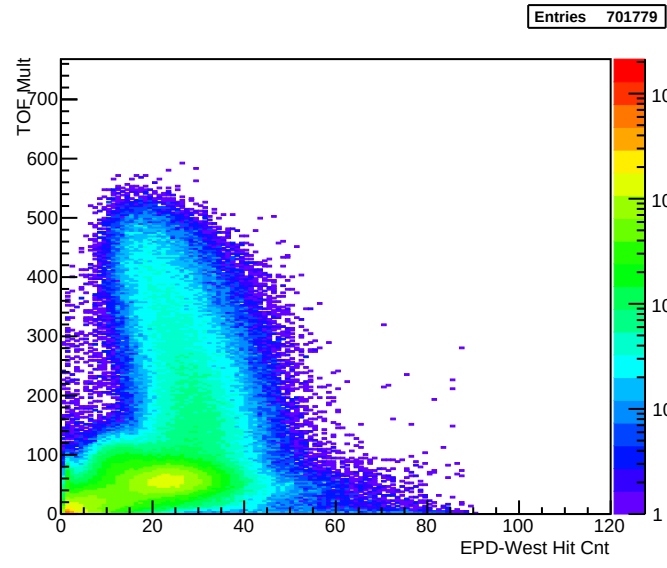

VT201 Input Ch4: VPD Adc Sum Th
Entries 1403558
345377
553123
356402
148656
East
West

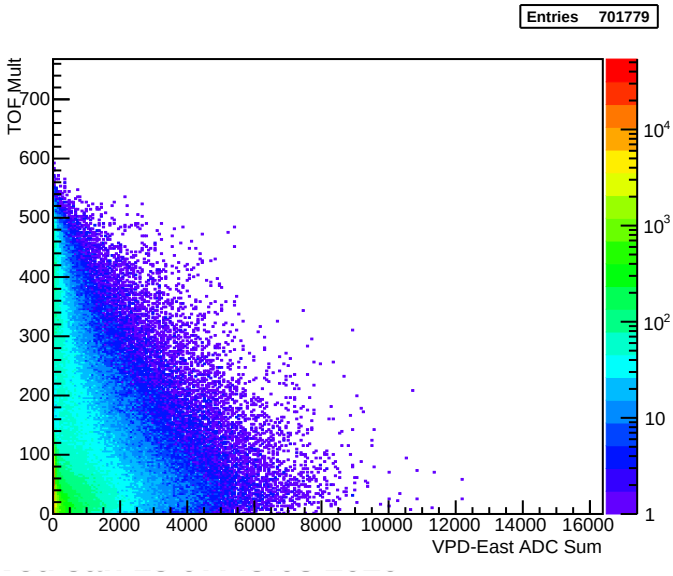

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

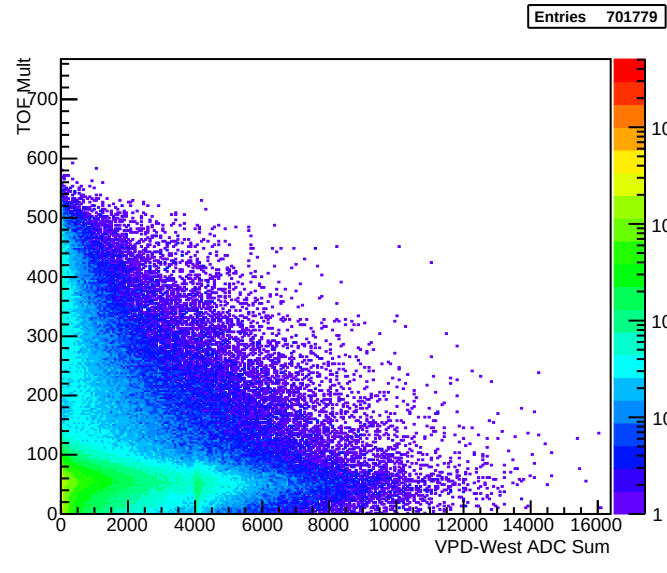

Entries 701779
TOF_Mult
BBC-S-East ADC Sum

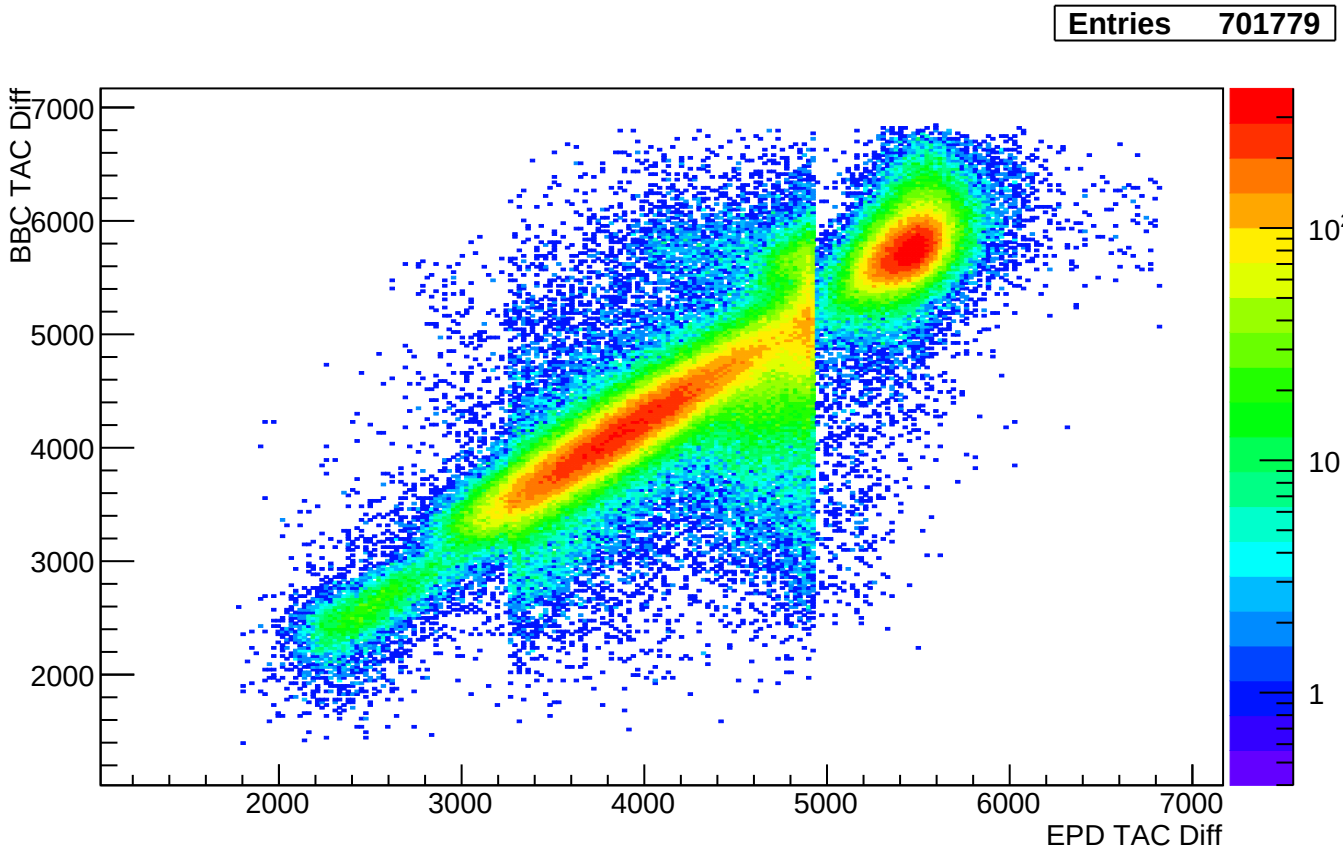

Entries 701779
TOF_Mult
BBC-S-West ADC Sum

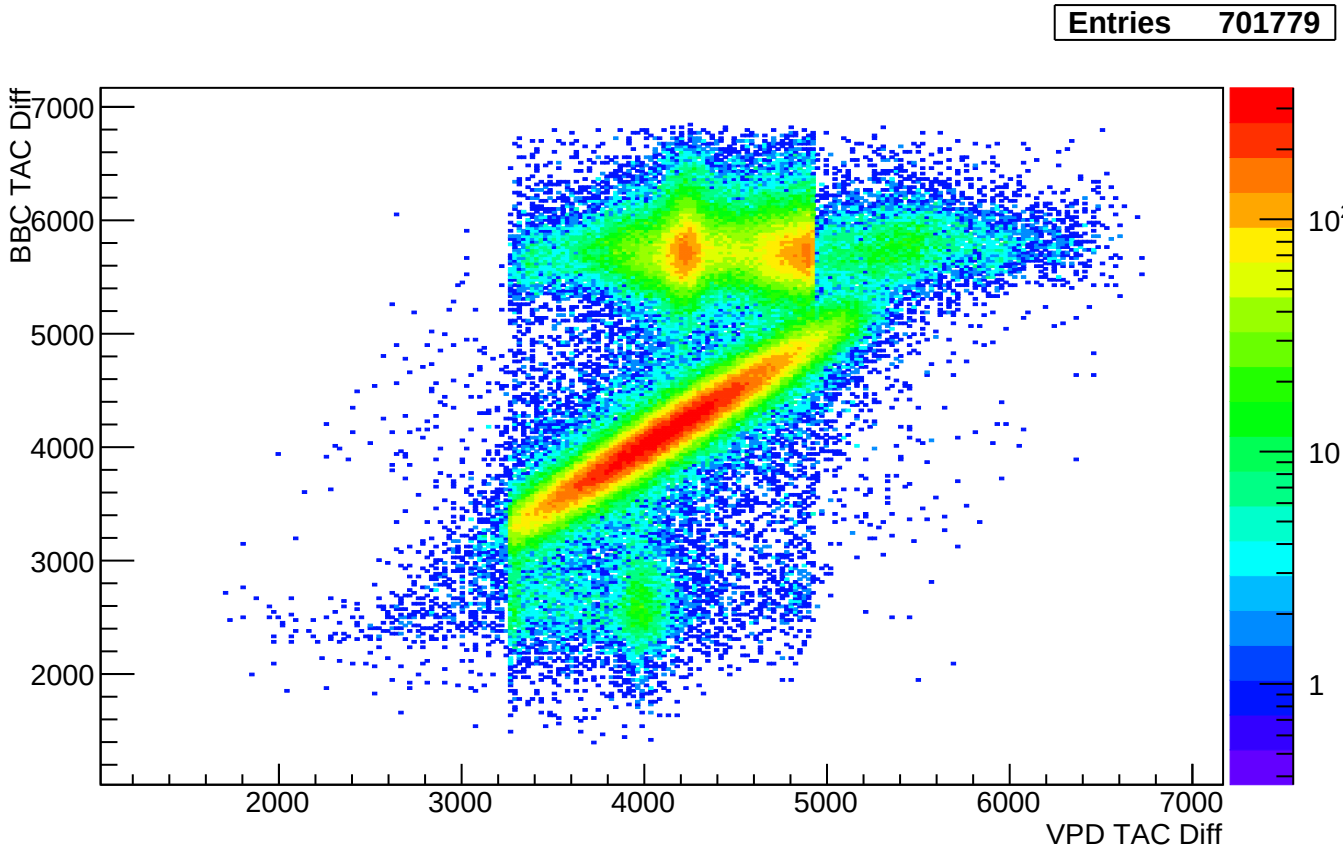

Entries 701779
TOF_Mult
EPD-East Hit Cnt

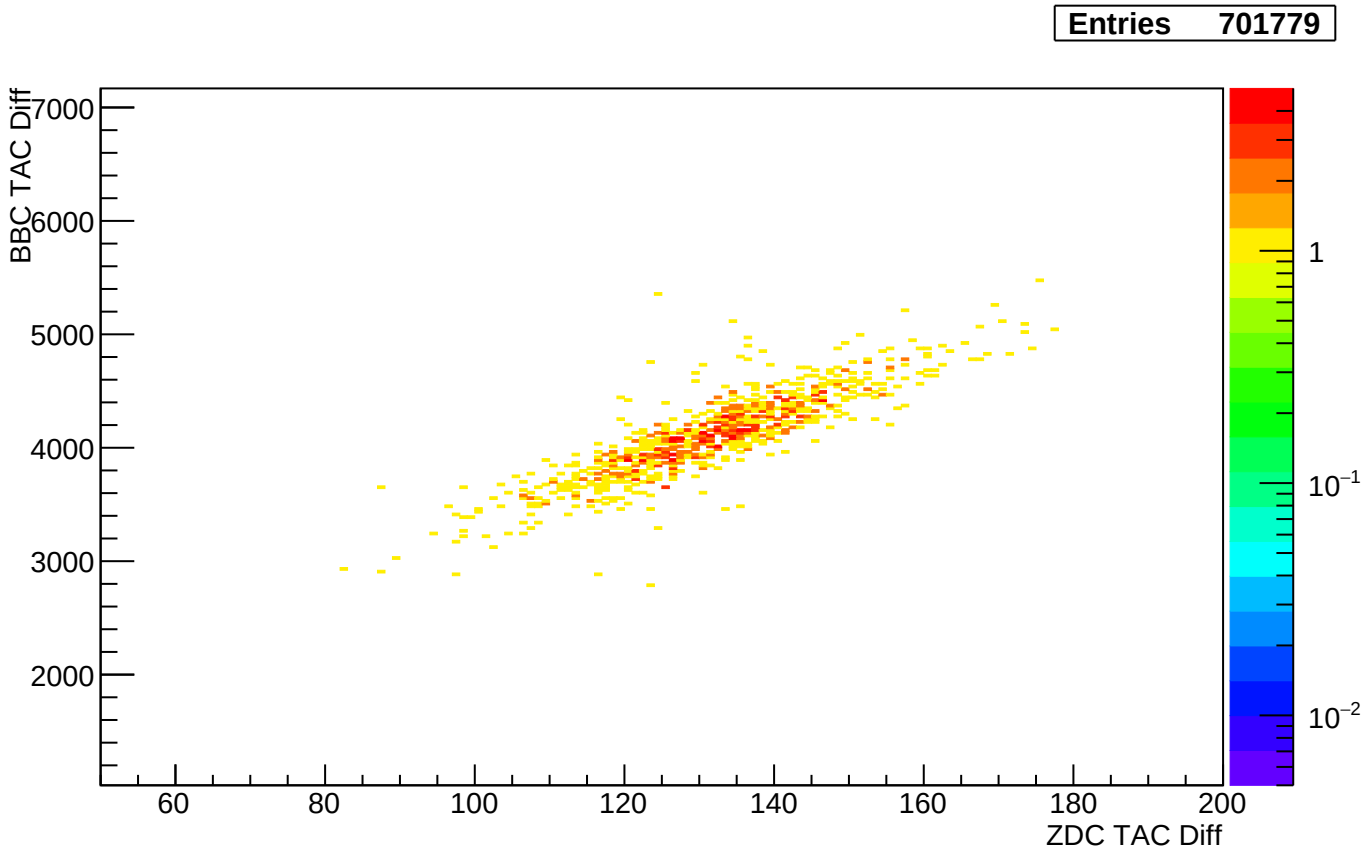

Entries 701779
TOF_Mult
EPD-West Hit Cnt

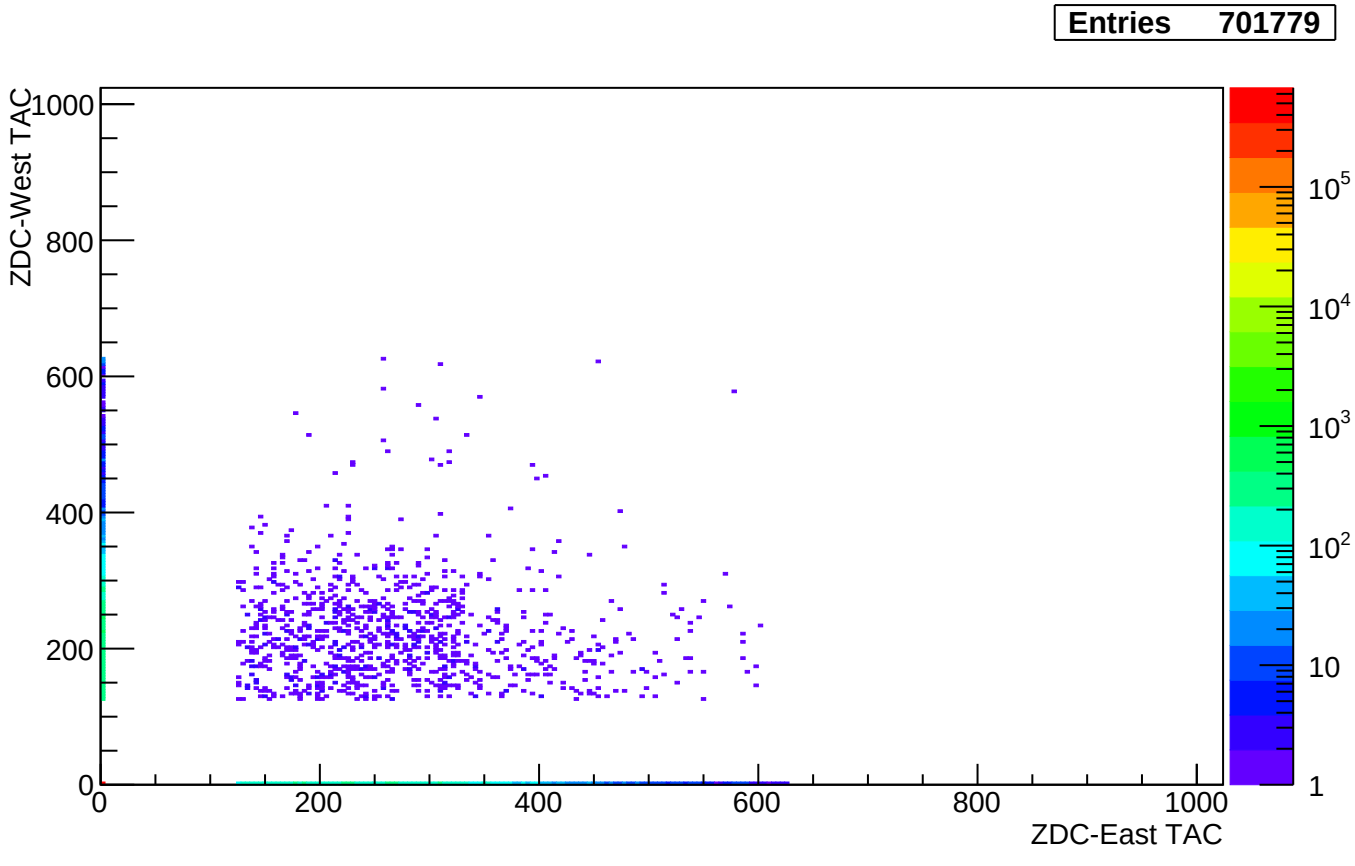

Entries 701779
TOF_Mult
VPD-East ADC Sum

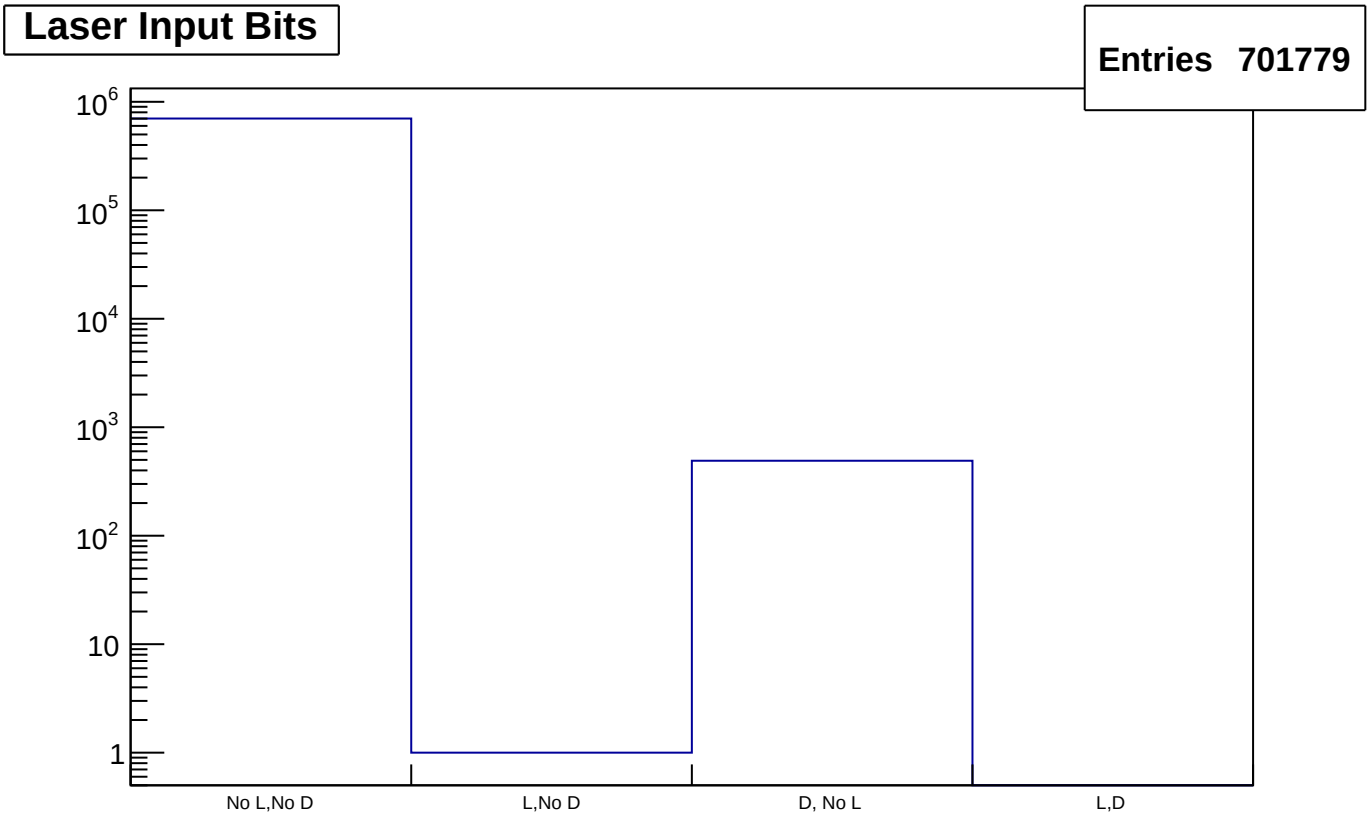

Entries 701779
TOF_Mult
VPD-West ADC Sum

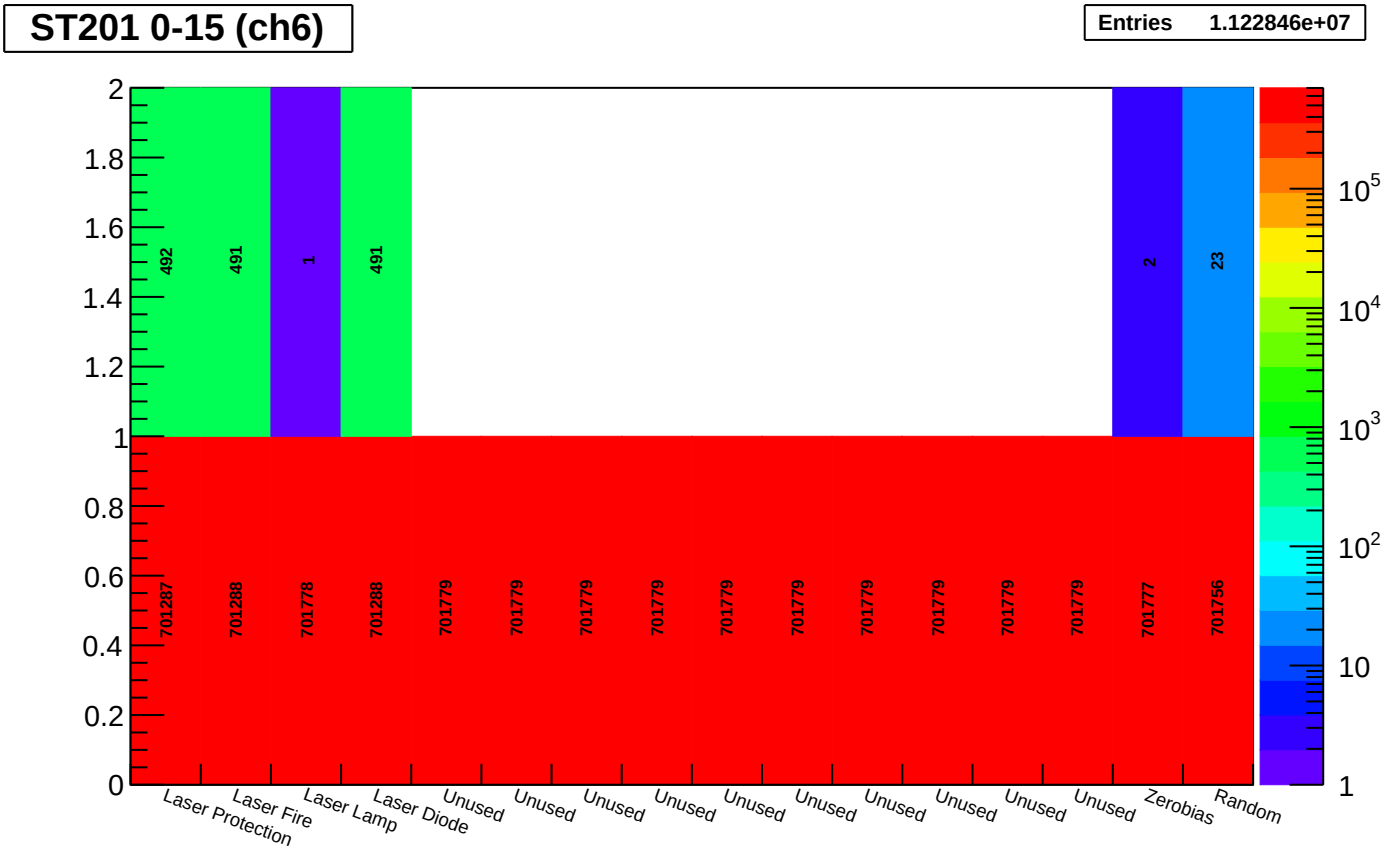

Entries 701779
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

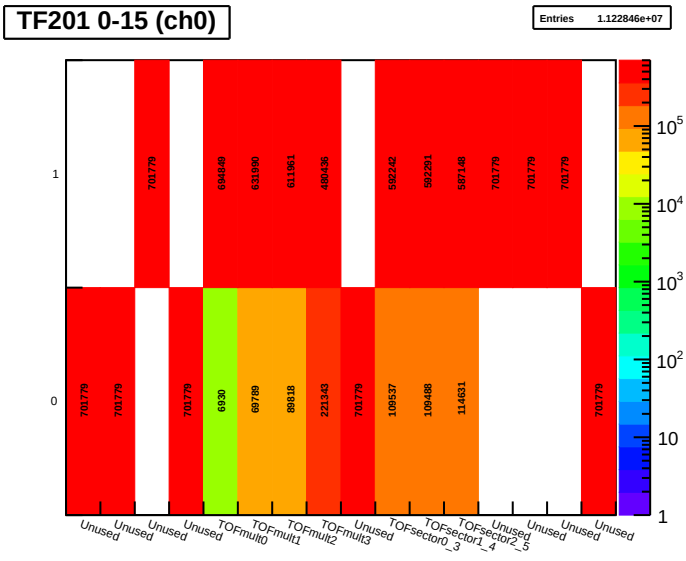

Entries 701779
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

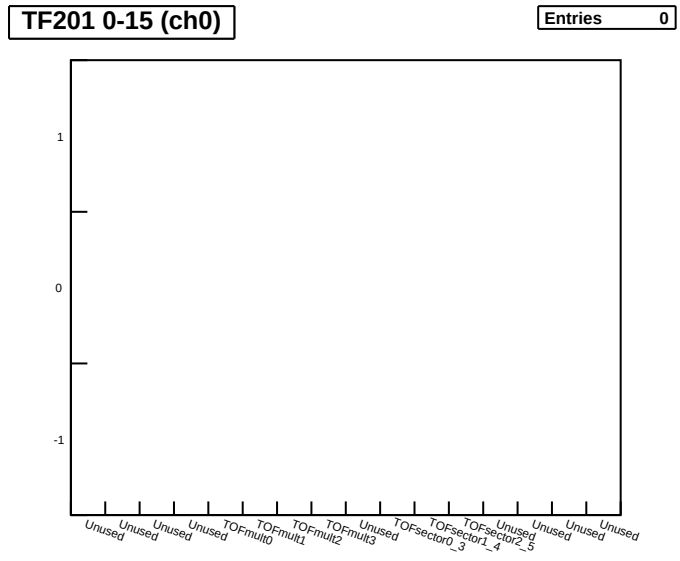

Entries 701779
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

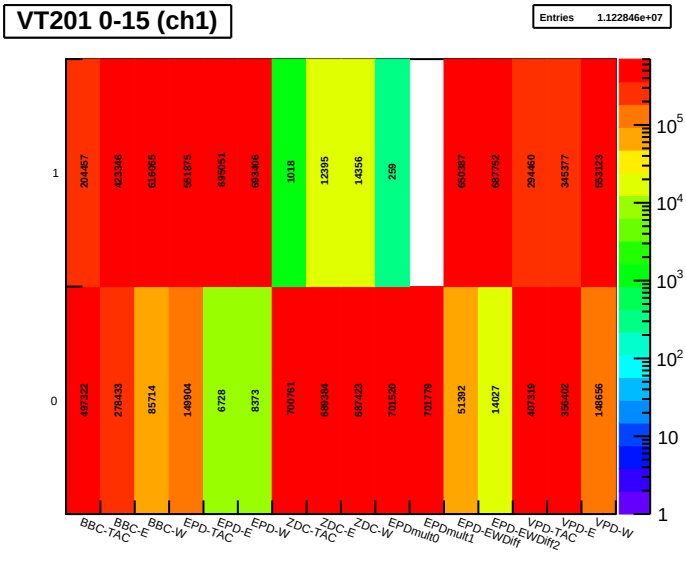

Entries 701779
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

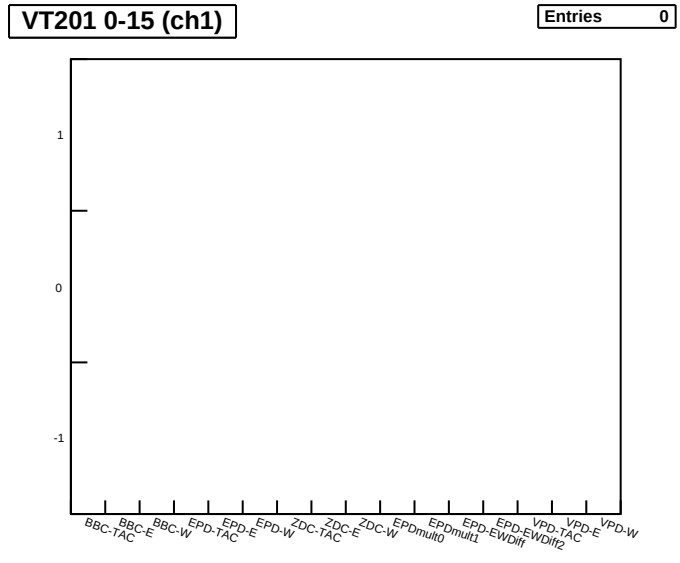

Laser Input Bits
Entries 701779
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

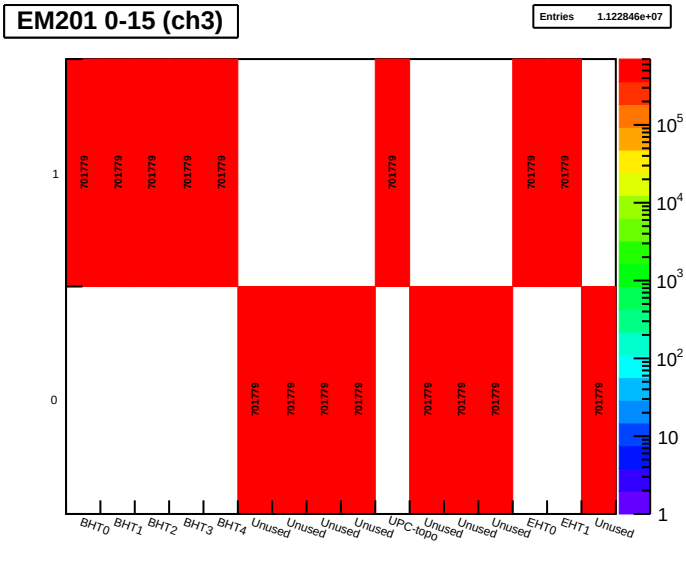

ST201 0-15 (ch6)
Entries 1.122846e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
492
491
1
491
2
23
701287
701288
701778
701288
701779
701779
701779
701779
701779
701779
701779
701779
701779
701779
701777
701756
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

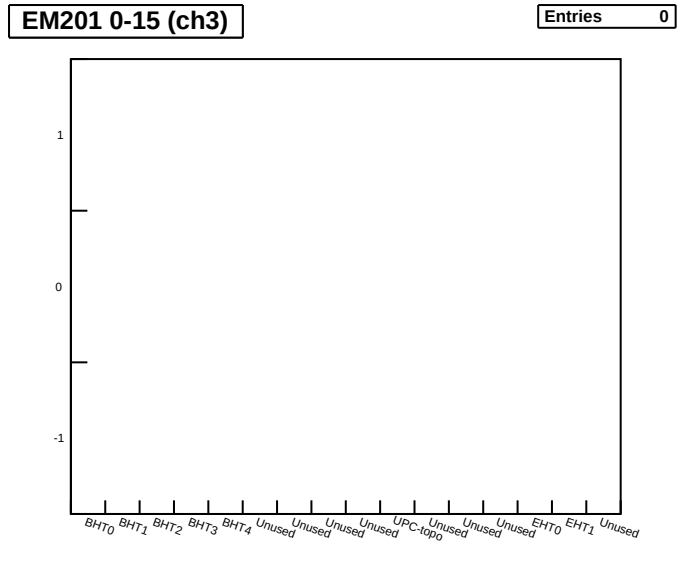

TF201 0-15 (ch0)
Entries 1.122846e+07
701779 634849 631990 611861 490436 592242 592291 587148 701779 701779 701779
701779 701779 701779 6930 69789 89818 221343 701779 109537 109488 114631 701779
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 1.122846e+07
204457 423346 616065 551875 695051 693406 1018 12395 14356 259 650387 687752 294460 345377 553123
497322 278433 85714 148904 6728 8373 700761 689384 687423 701520 701779 51392 14027 407319 356402 148656
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


VT201 0-15 (ch1)
Entries 0
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 1.122846e+07
701779 701779 701779 701779 701779 701779 701779 701779
701779 701779 701779 701779 701779 701779 701779 701779
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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