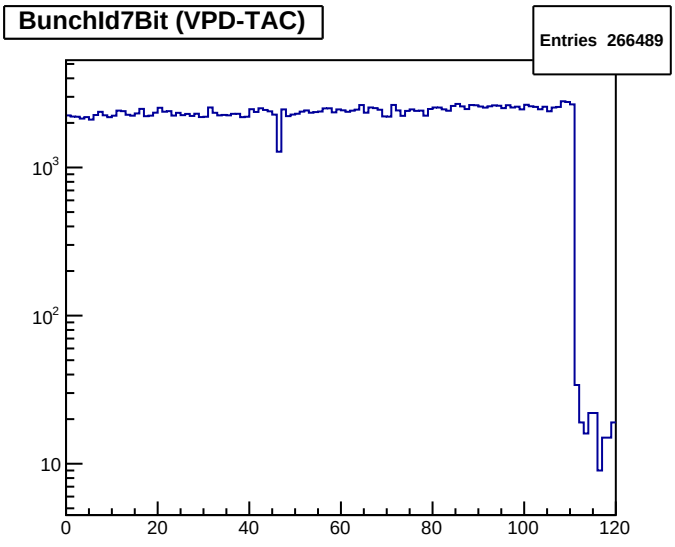
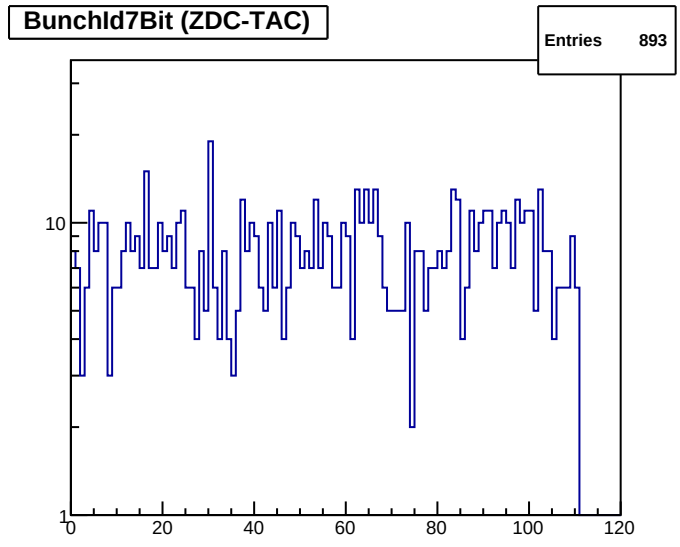
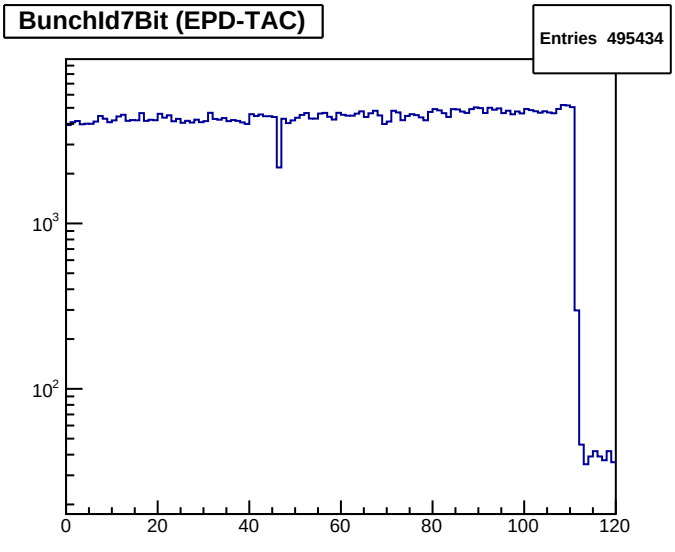
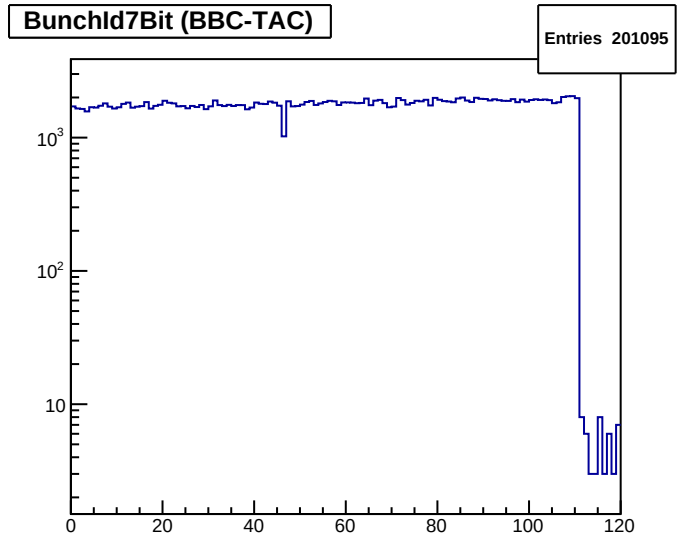
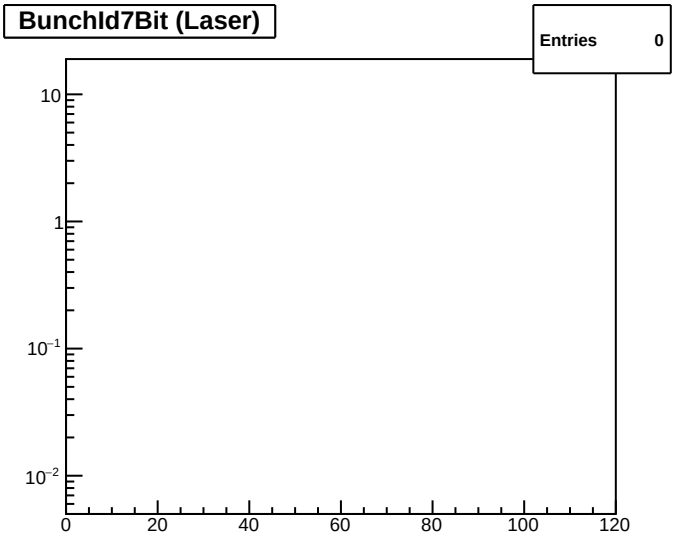
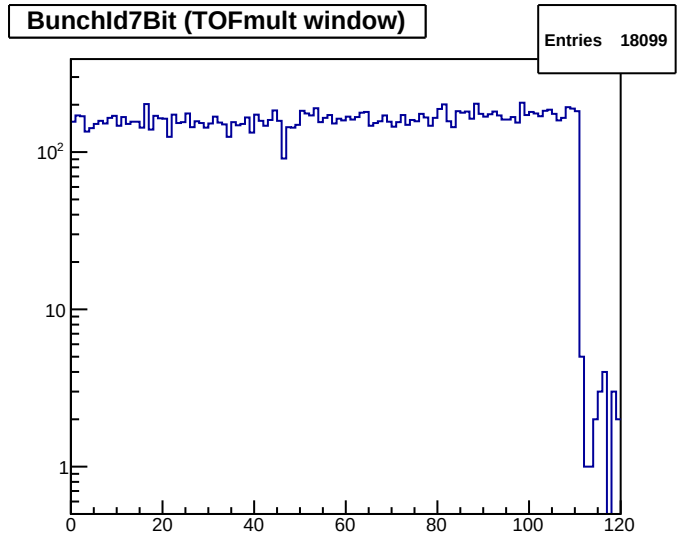

BunchId7Bit (VPD-TAC)
Entries 266489
10^3
10^2
10
0 20 40 60 80 100 120

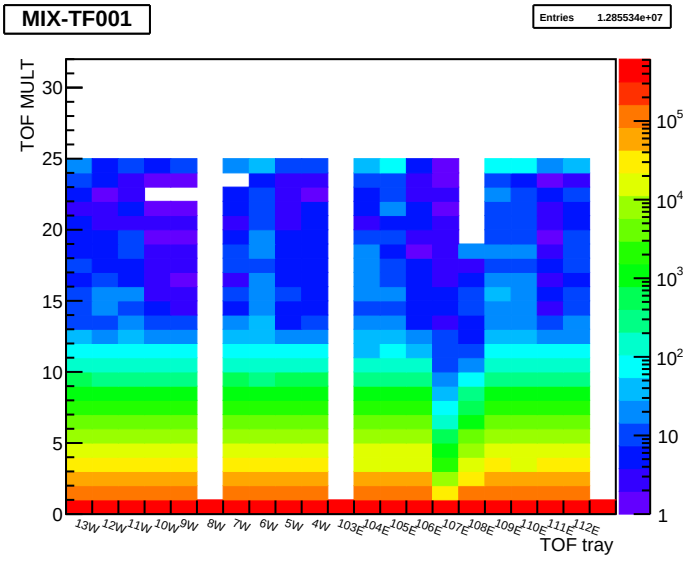

BunchId7Bit (ZDC-TAC)
Entries 893
10
1
0 20 40 60 80 100 120

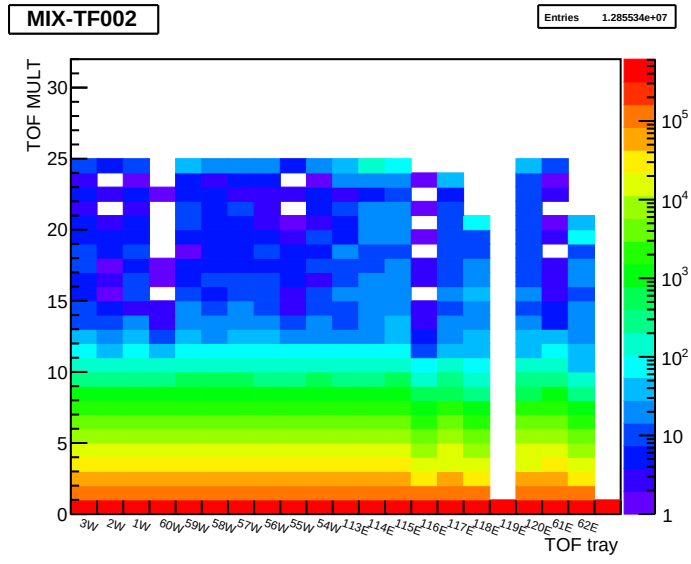

BunchId7Bit (EPD-TAC)
Entries 495434
10^3
10^2
0 20 40 60 80 100 120

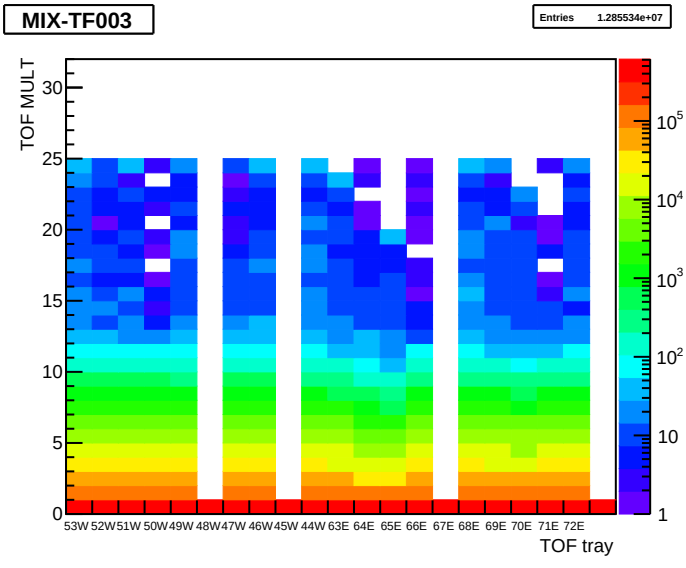

BunchId7Bit (BBC-TAC)
Entries 201095
10^3
10^2
10
0 20 40 60 80 100 120

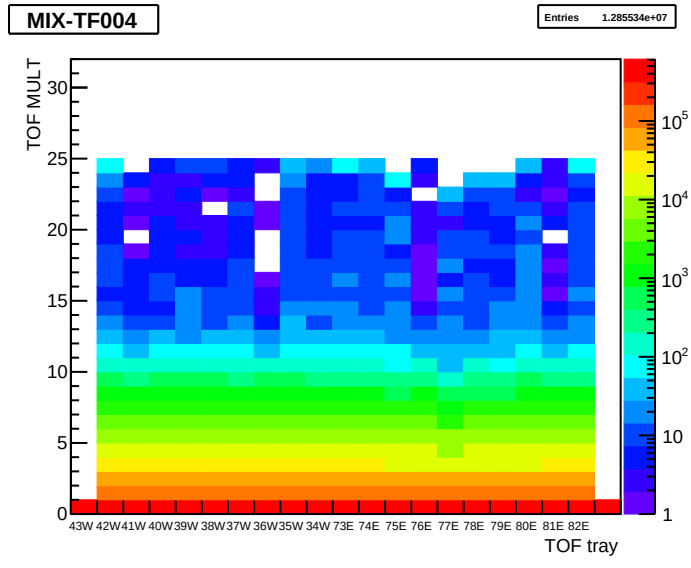

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

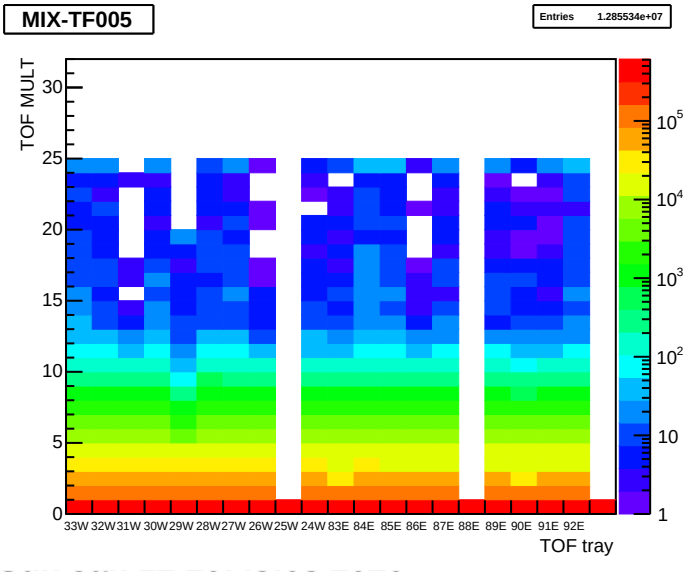

BunchId7Bit (TOFmult window)
Entries 18099
10^2
10
1
0 20 40 60 80 100 120

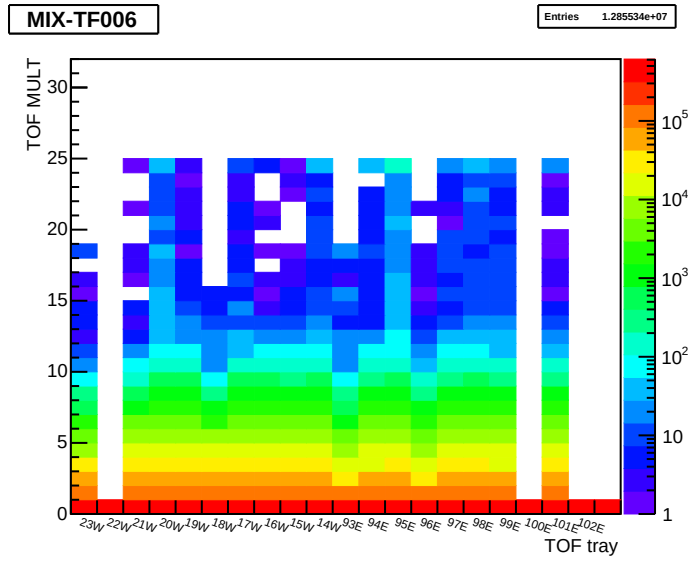

MIX-TF001
Entries 1.285534e+07
TOF MULT
TOF tray

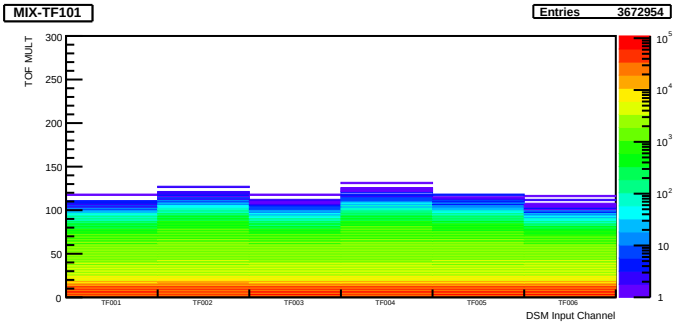

MIX-TF002
Entries 1.285534e+07
TOF MULT
TOF tray

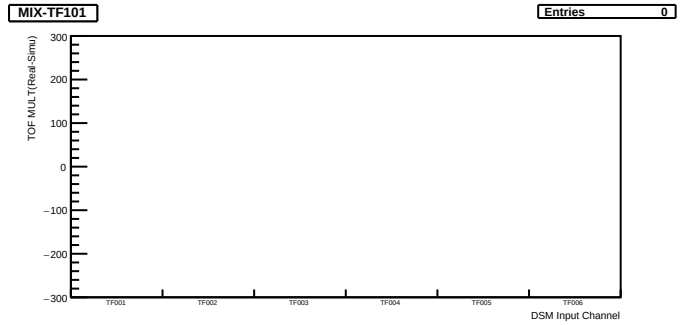

MIX-TF003
Entries 1.285534e+07
TOF MULT
TOF tray

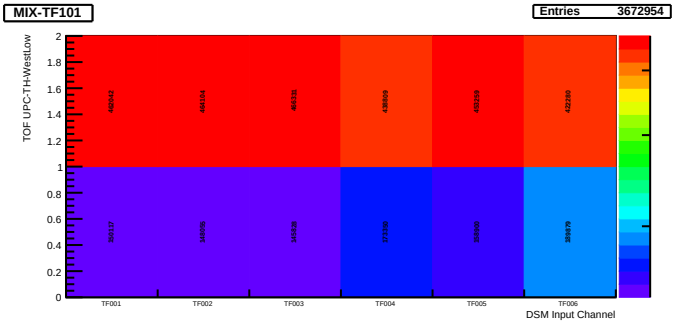

MIX-TF004
Entries 1.285534e+07
TOF MULT
TOF tray

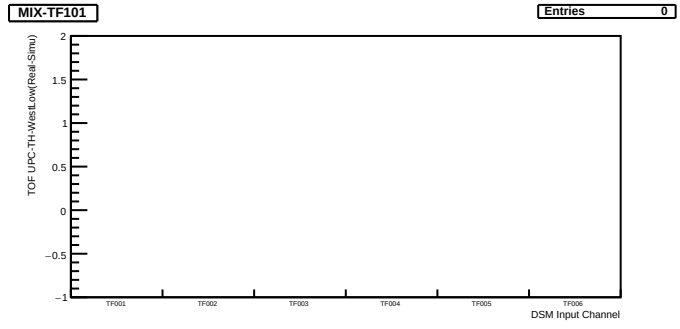

MIX-TF005
Entries 1.285534e+07
TOF MULT
TOF tray

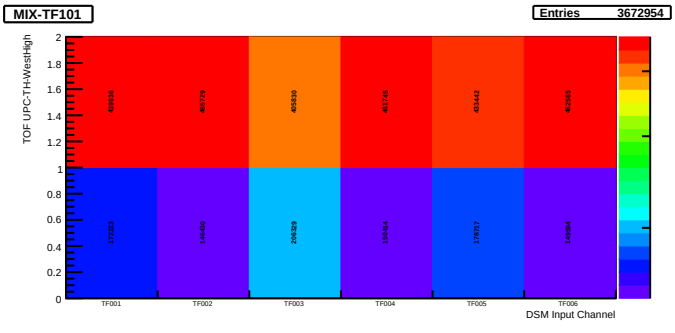

MIX-TF006
Entries 1.285534e+07
TOF MULT
TOF tray

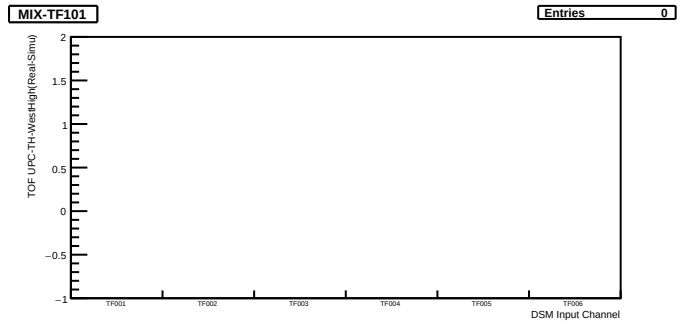

MIX-TF101
Entries 3672954
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

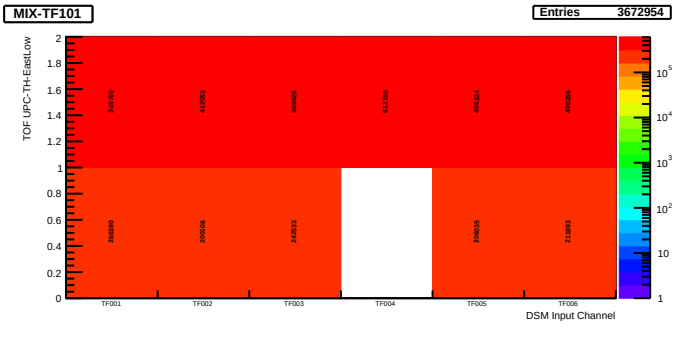

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

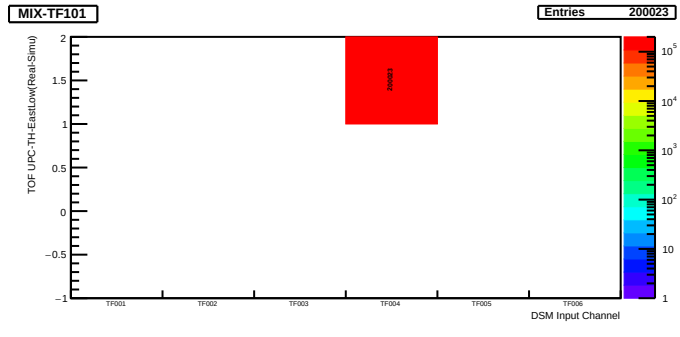

MIX-TF101
Entries 3672954
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

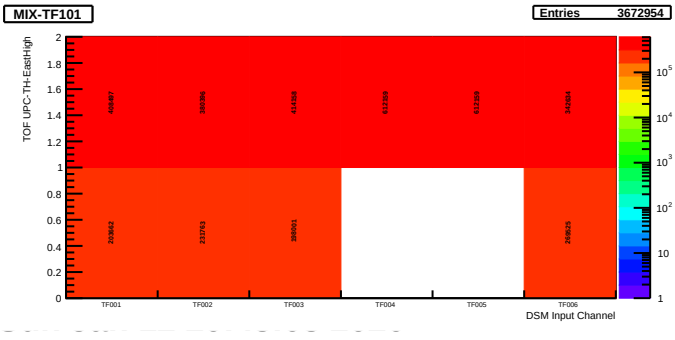

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

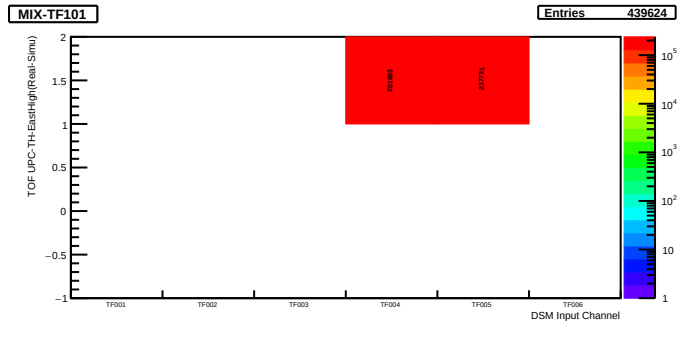

MIX-TF101
Entries 3672954
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

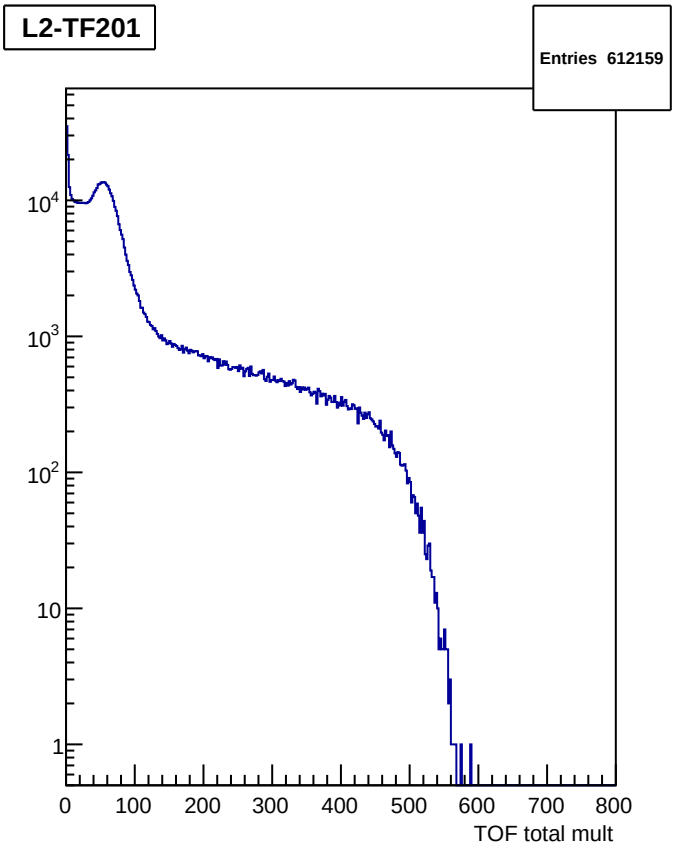

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

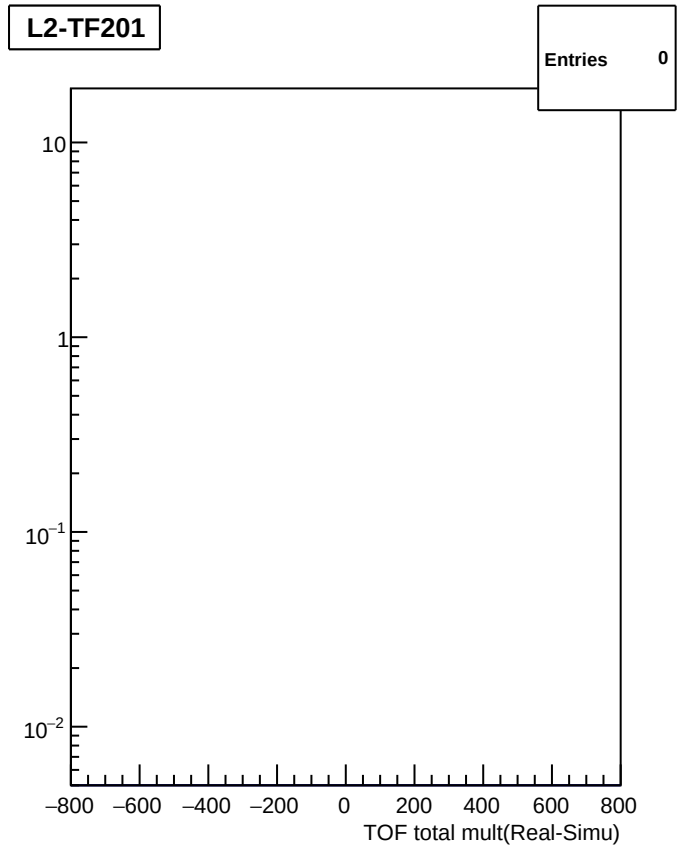

MIX-TF101
Entries 3672954
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

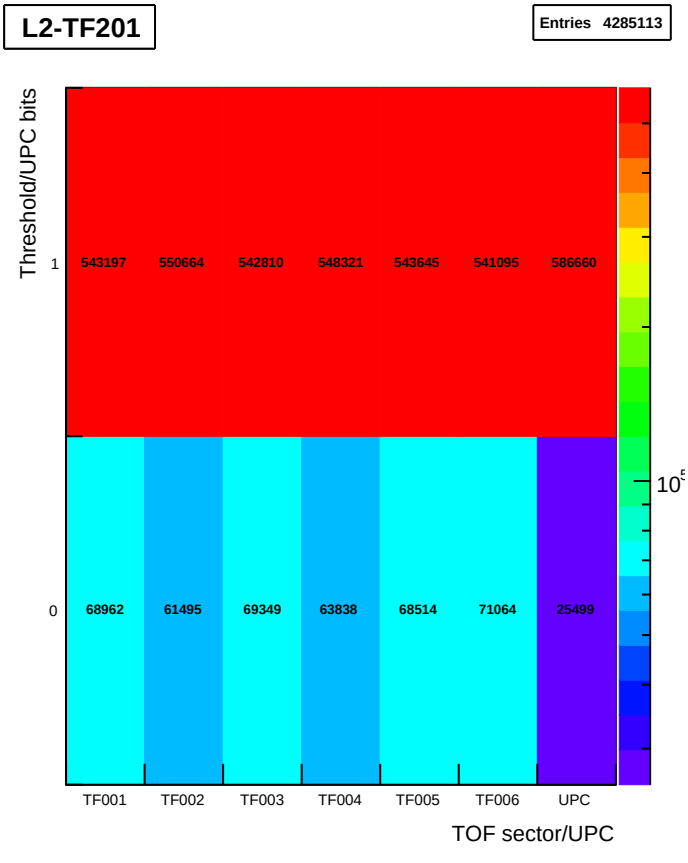

MIX-TF101
Entries 200023
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

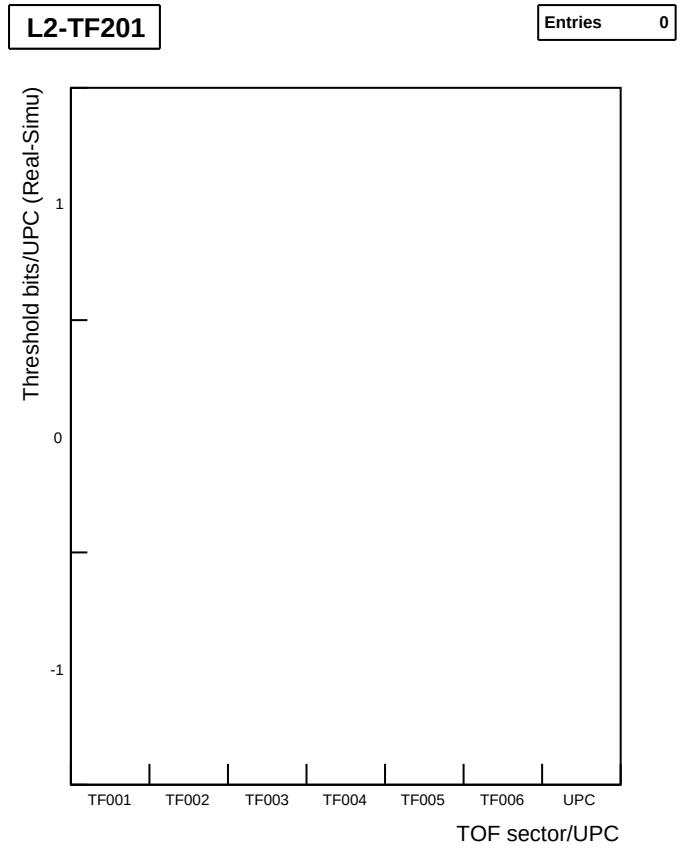

MIX-TF101
Entries 3672954
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

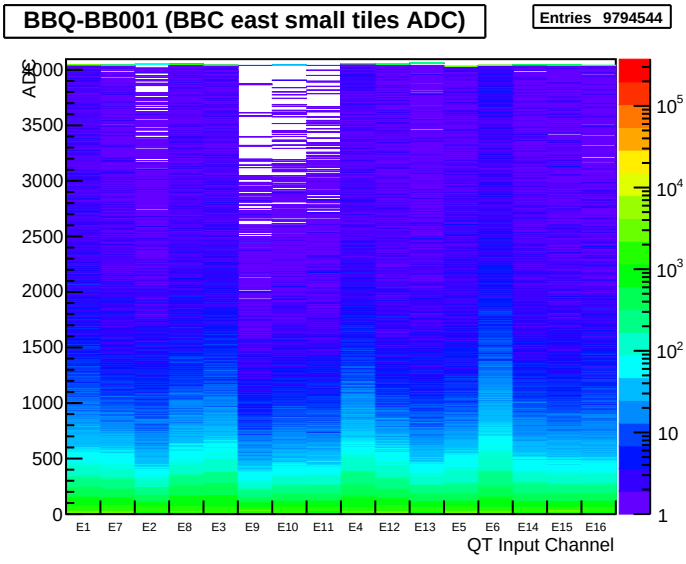

MIX-TF101
Entries 439624
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

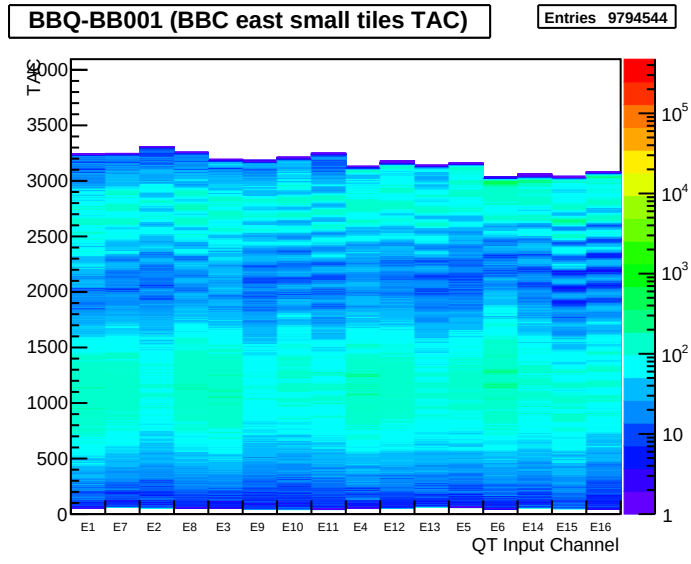

L2-TF201
Entries 612159
TOF total mult

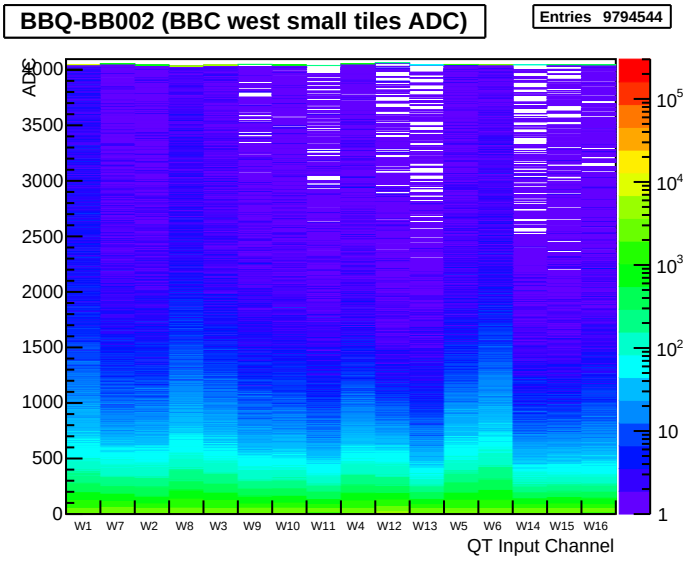

L2-TF201
Entries 0
TOF total mult(Real-Simu)

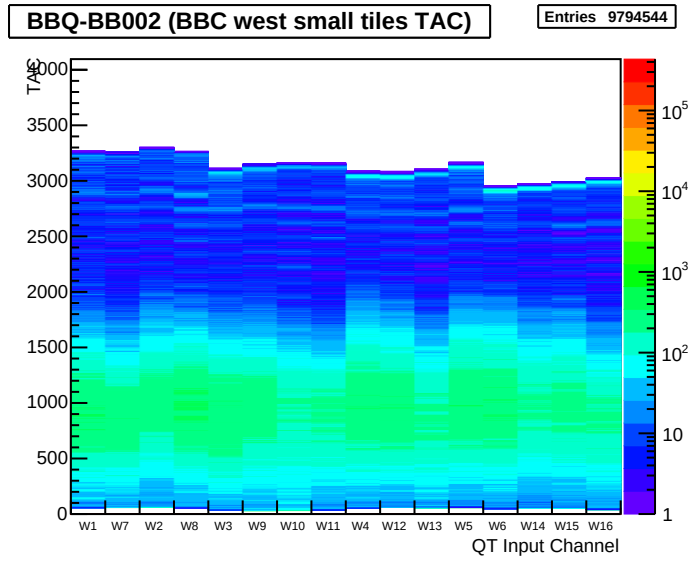

L2-TF201
Entries 4285113
Threshold/UPC bits
543197
550664
542810
548321
543645
541095
586660
68962
61495
69349
63838
68514
71064
25499
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

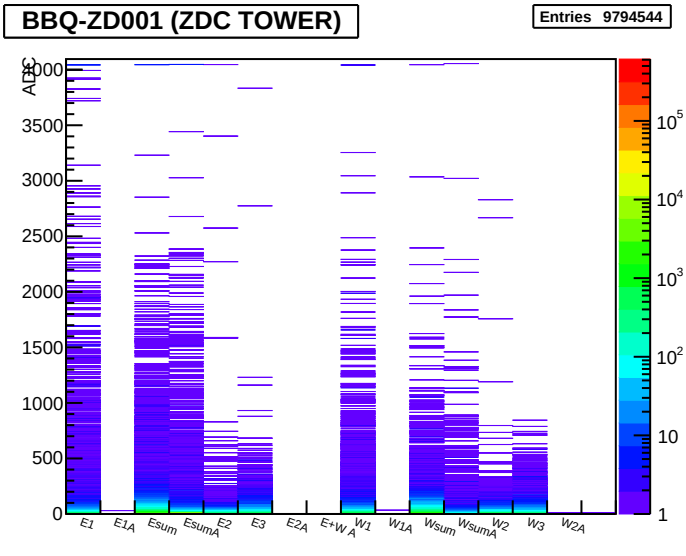

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

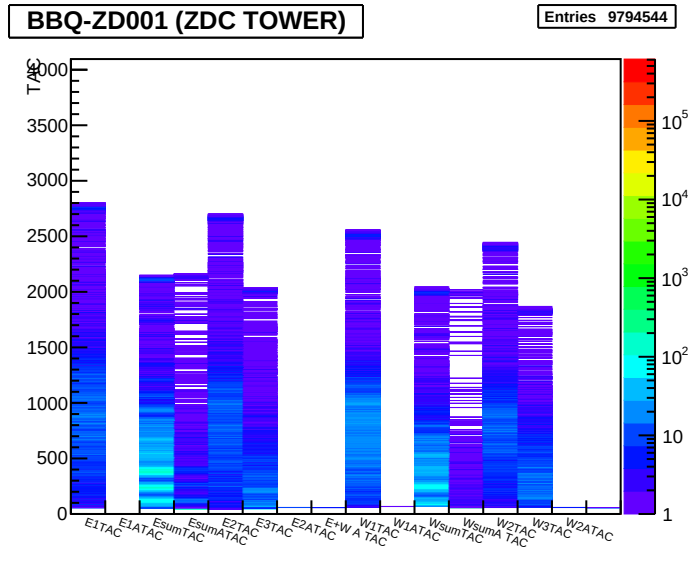

BBQ-BB001 (BBC east small tiles ADC)
Entries 9794544
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

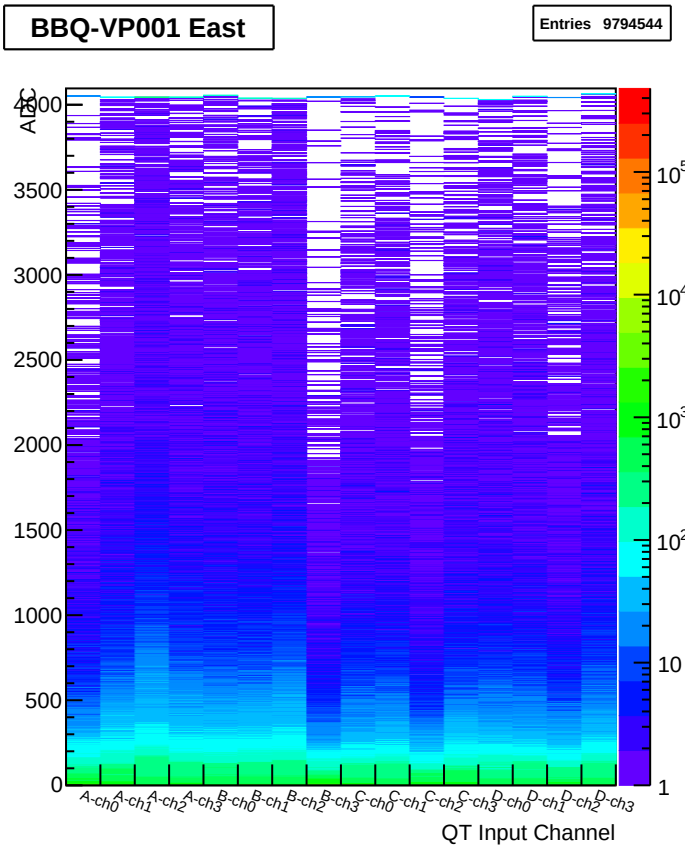

BBQ-BB001 (BBC east small tiles TAC)
Entries 9794544
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

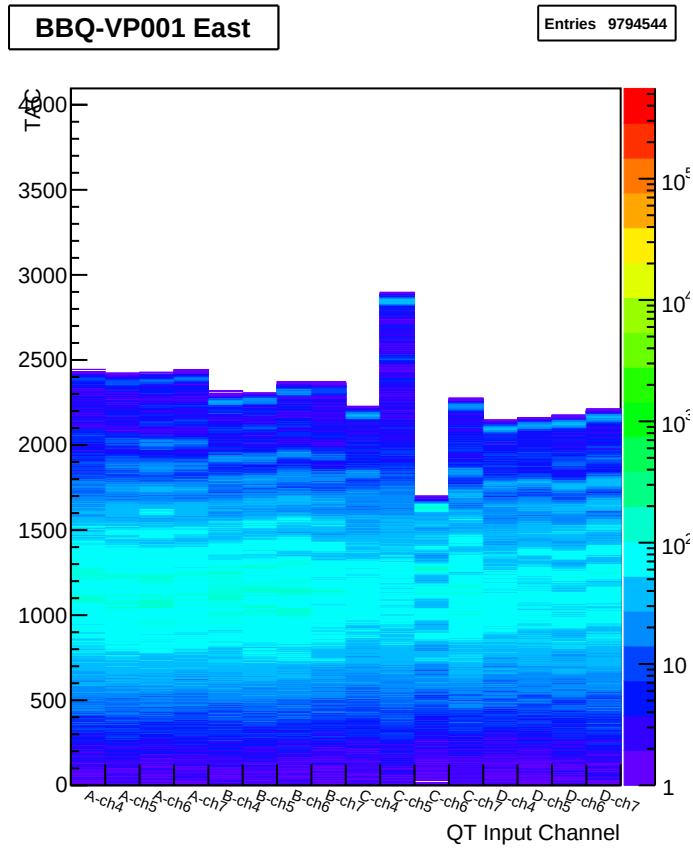

BBQ-BB002 (BBC west small tiles ADC)
Entries 9794544
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

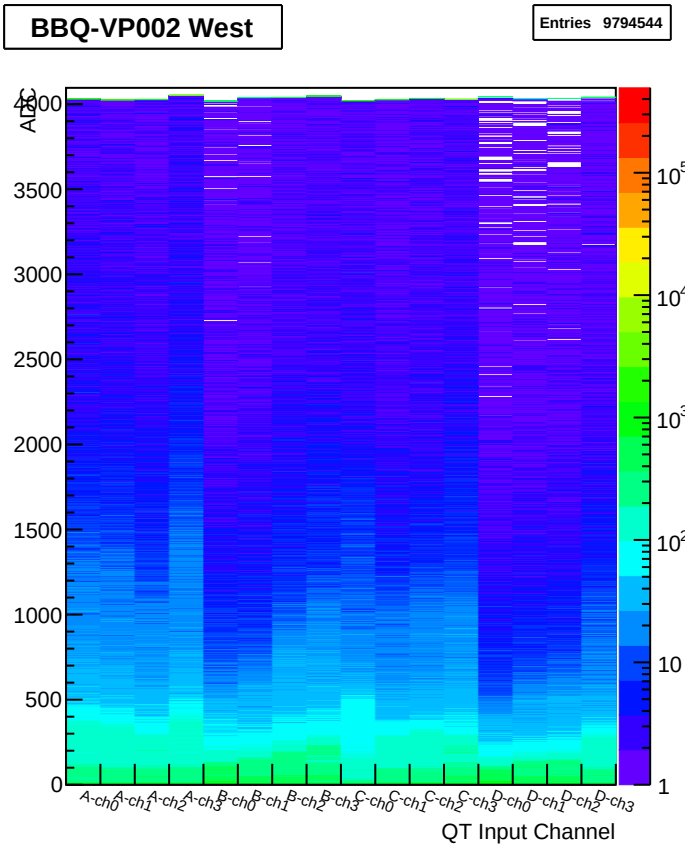

BBQ-BB002 (BBC west small tiles TAC)
Entries 9794544
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

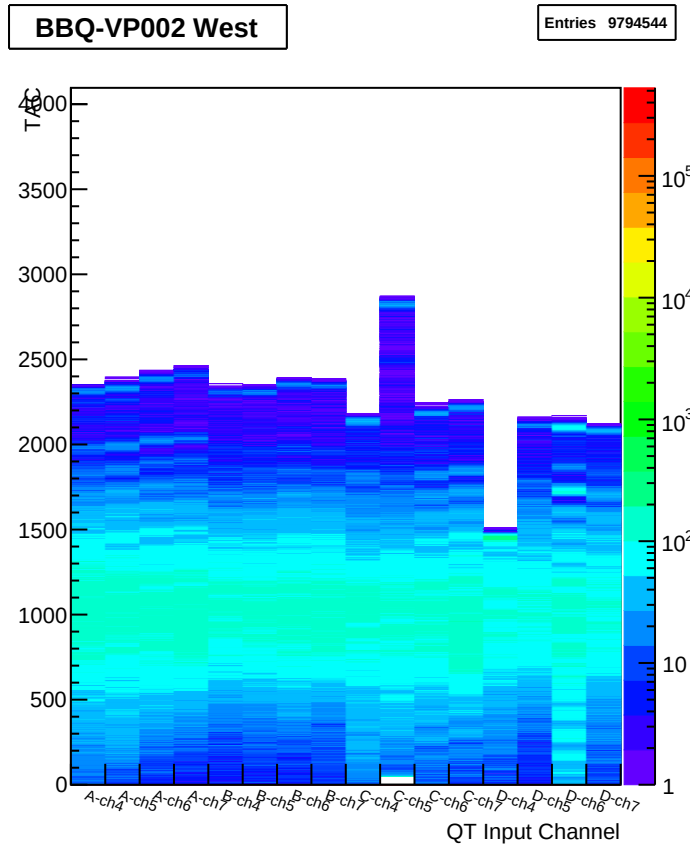

BBQ-ZD001 (ZDC TOWER)
Entries 9794544
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

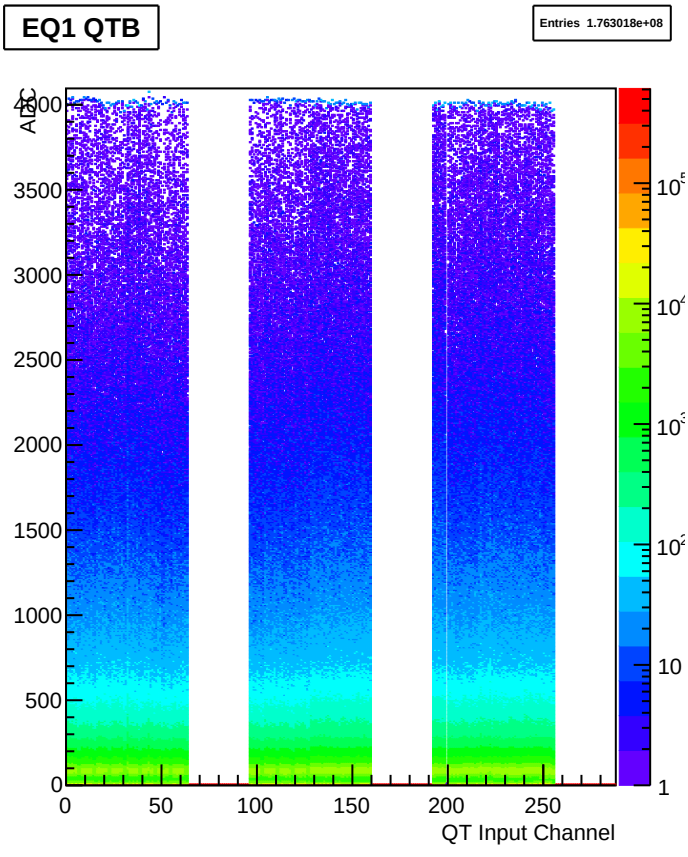

BBQ-ZD001 (ZDC TOWER)
Entries 9794544
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

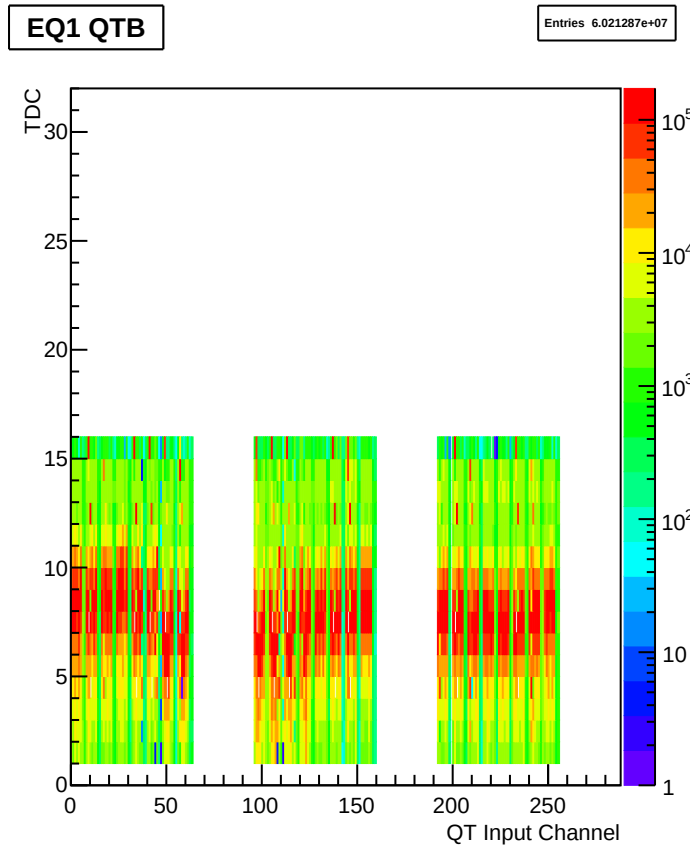

BBQ-VP001 East
Entries 9794544
ADC
QT Input Channel

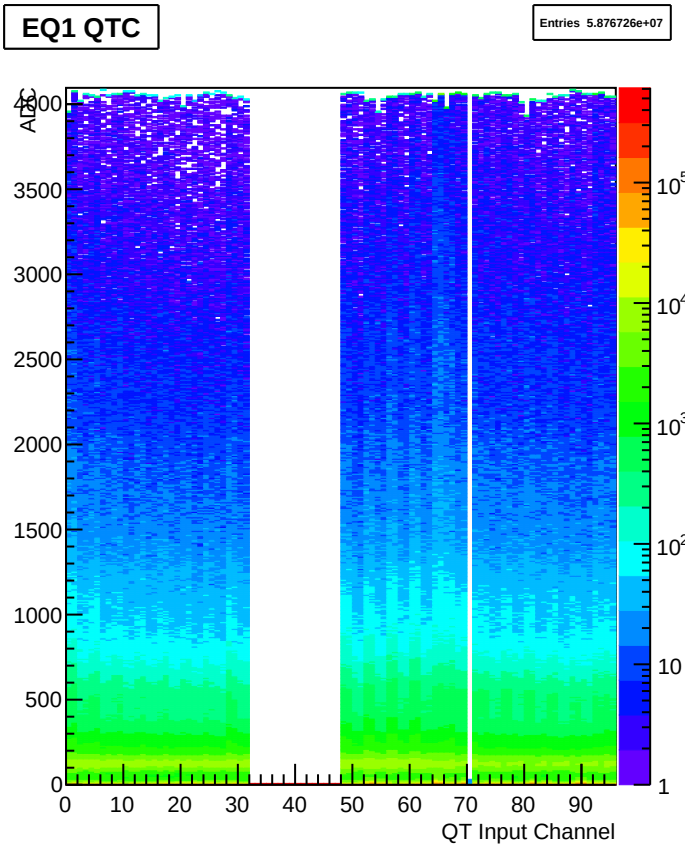

BBQ-VP001 East
Entries 9794544
TADC
QT Input Channel

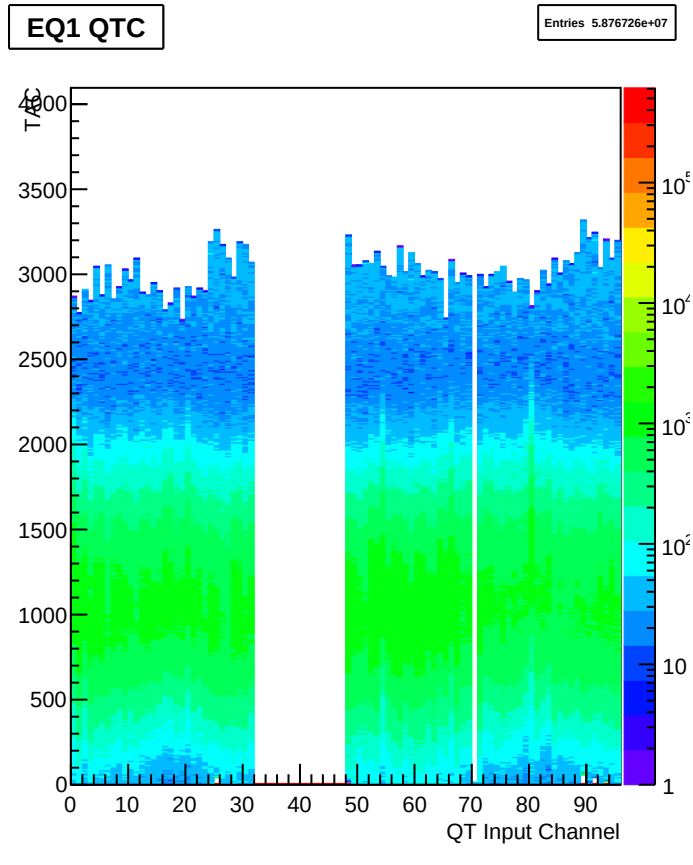

BBQ-VP002 West
Entries 9794544
ADC
QT Input Channel

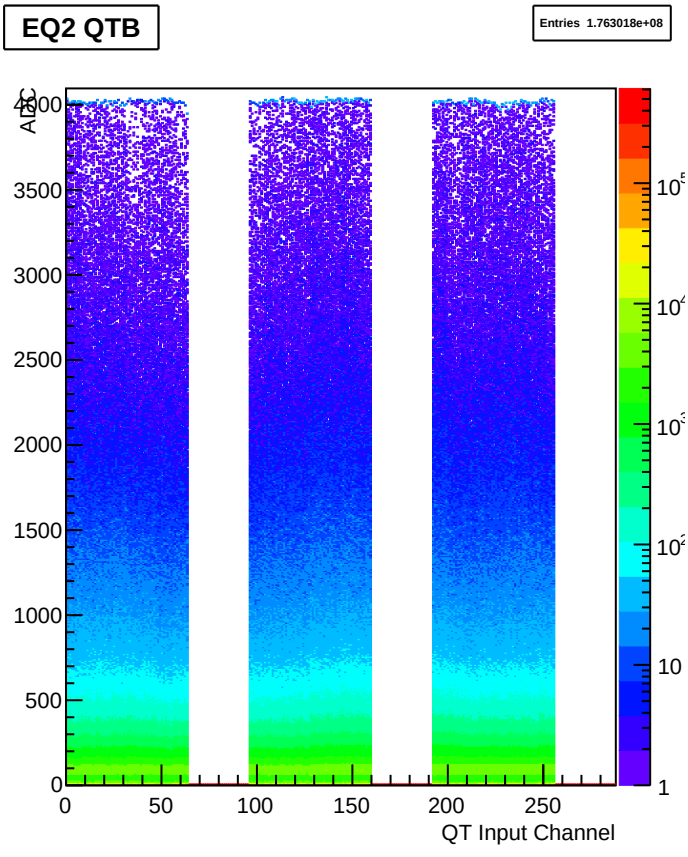

BBQ-VP002 West
Entries 9794544
TADC
QT Input Channel

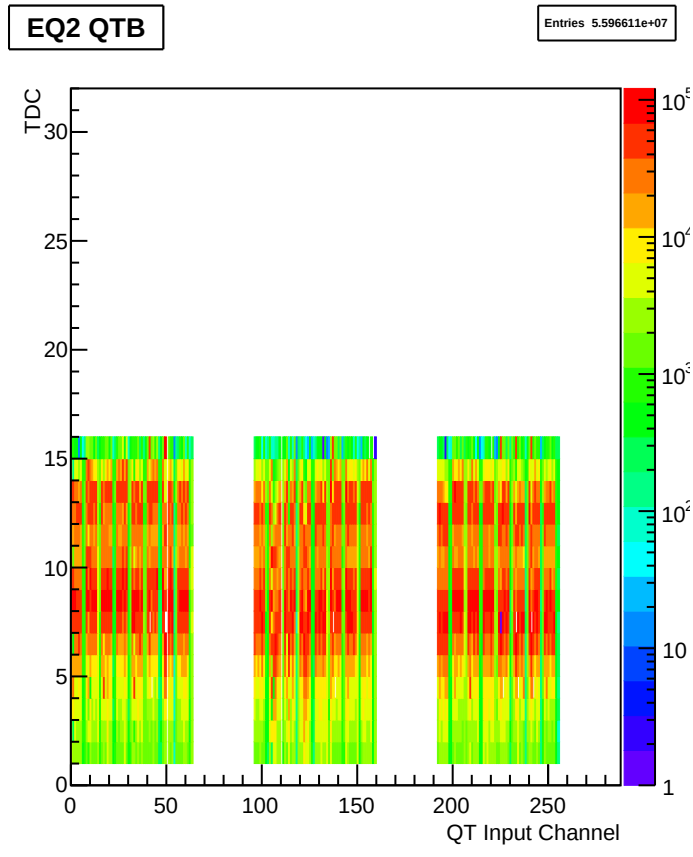

EQ1 QTB
Entries 1.763018e+08
ADC
QT Input Channel

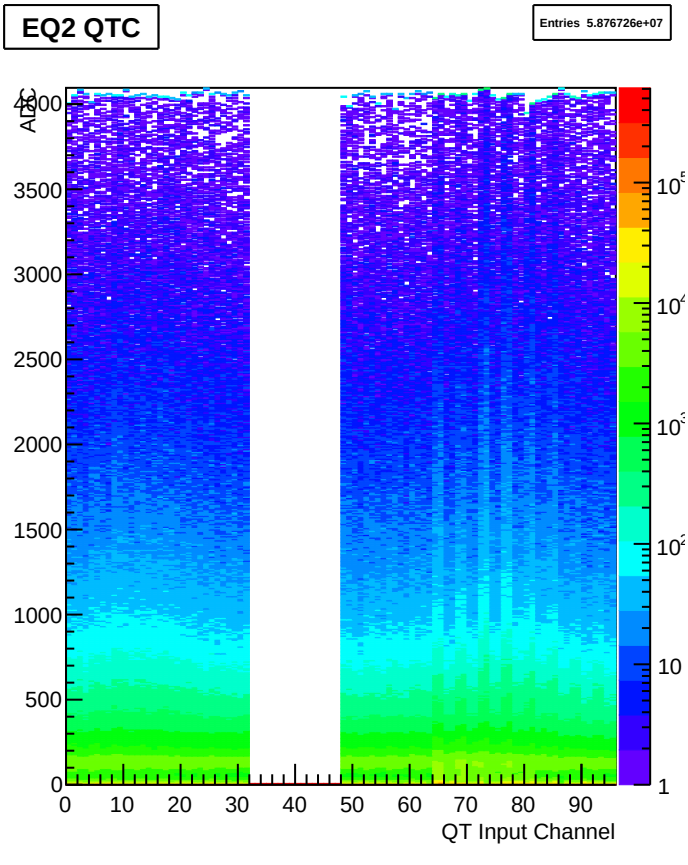

EQ1 QTB
Entries 6.021287e+07
TDC
QT Input Channel

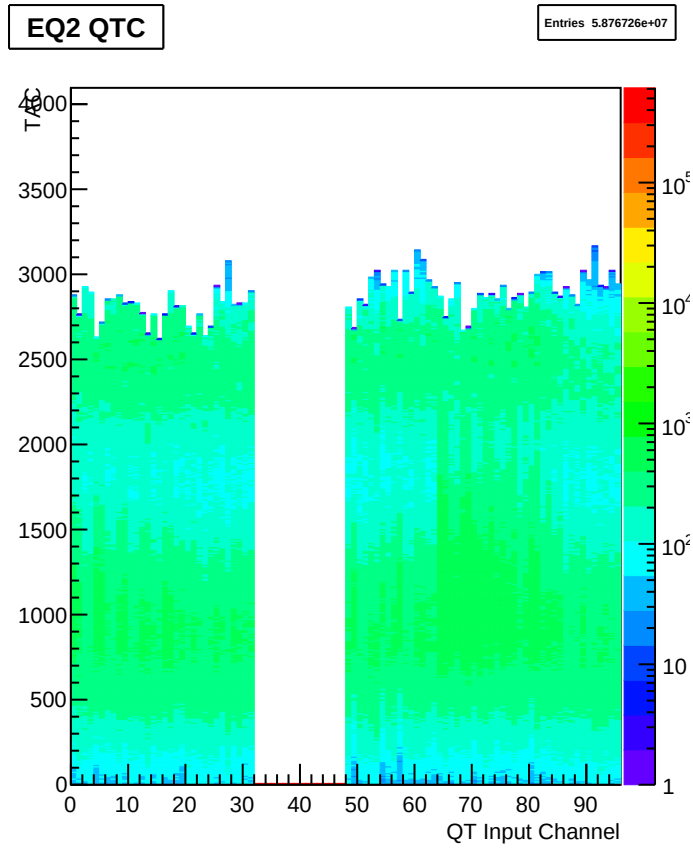

EQ1 QTC
Entries 5.876726e+07
ADC
QT Input Channel

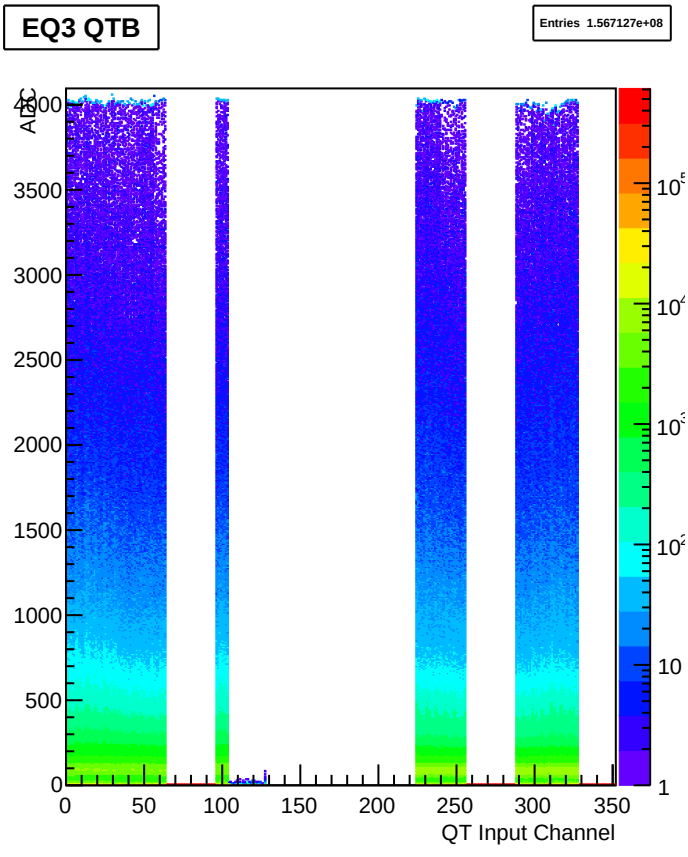

EQ1 QTC
Entries 5.876726e+07
TADC
QT Input Channel

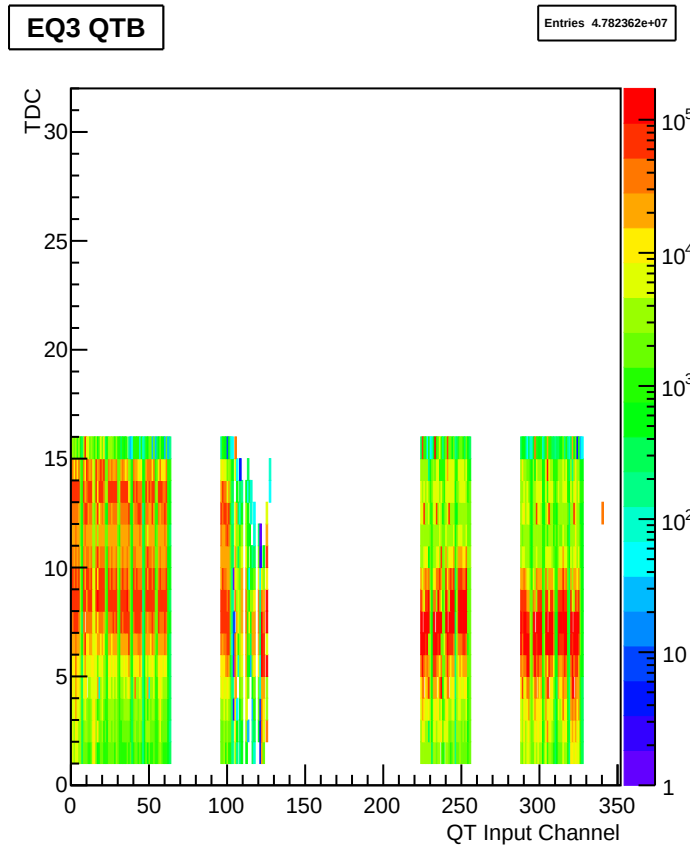

EQ2 QTB
Entries 1.763018e+08
ADC
QT Input Channel

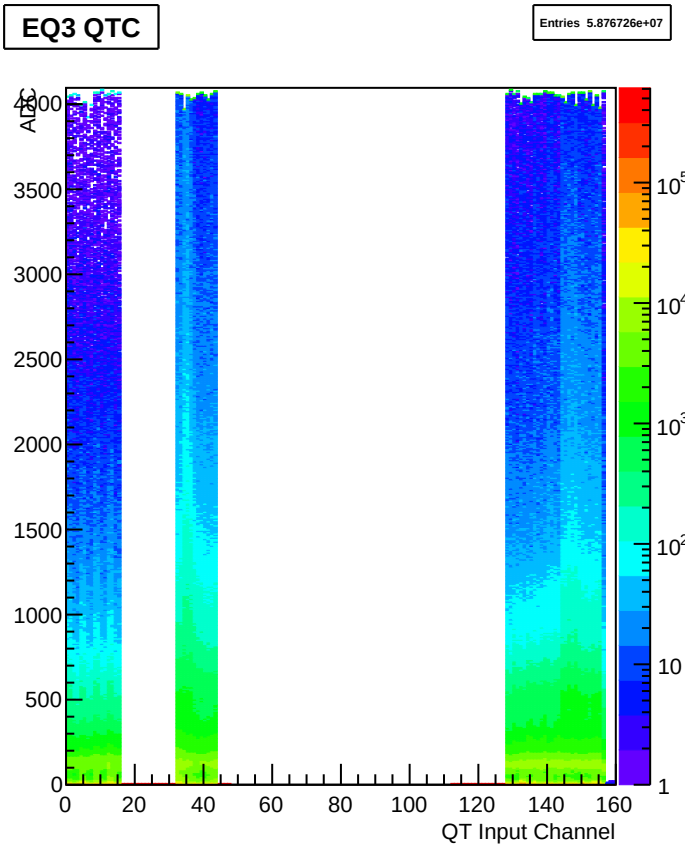

EQ2 QTB
Entries 5.596611e+07
TDC
QT Input Channel

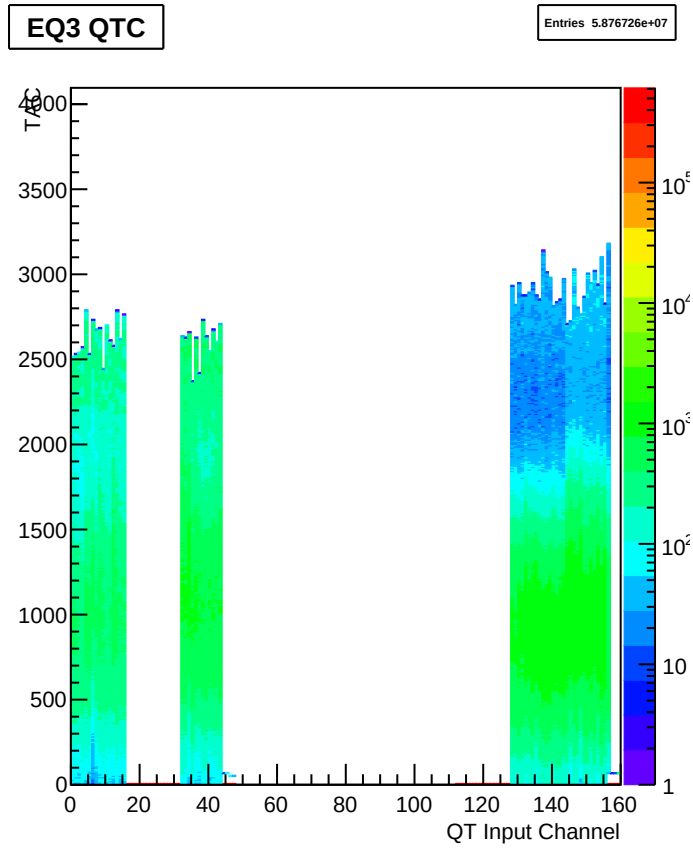

EQ2 QTC
Entries 5.876726e+07
ADC
QT Input Channel

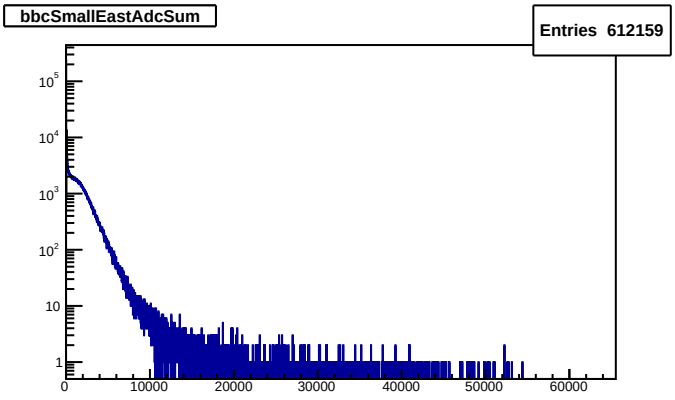

EQ2 QTC
Entries 5.876726e+07
TADC
QT Input Channel

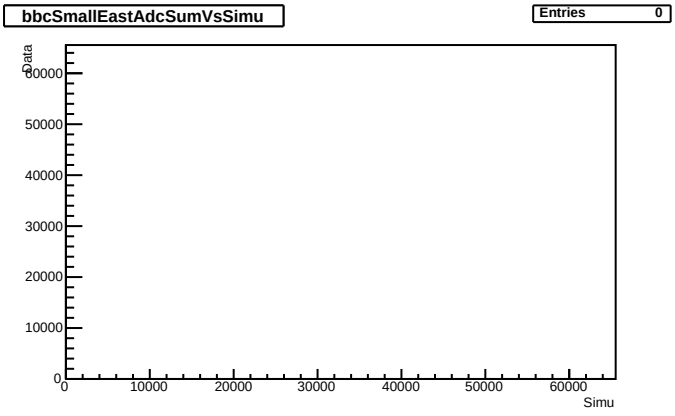

EQ3 QTB
Entries 1.567127e+08
ADC
QT Input Channel

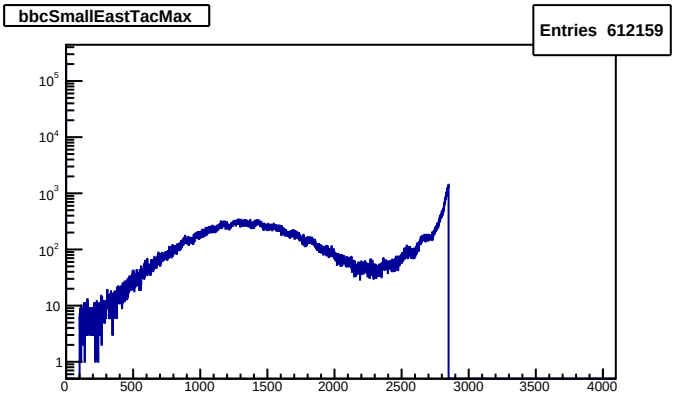

EQ3 QTB
Entries 4.782362e+07
TDC
QT Input Channel

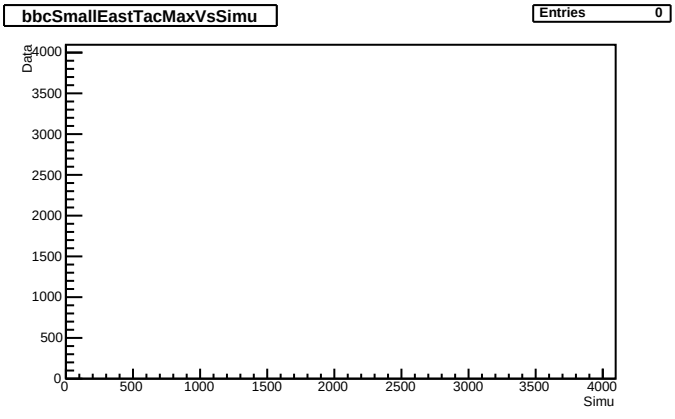

EQ3 QTC
Entries 5.876726e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.876726e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 612159


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 612159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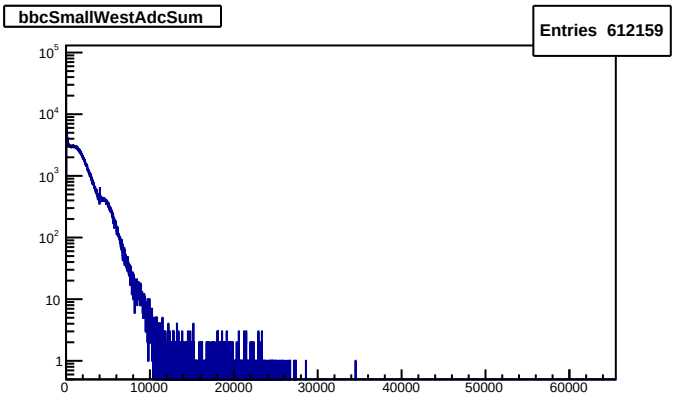
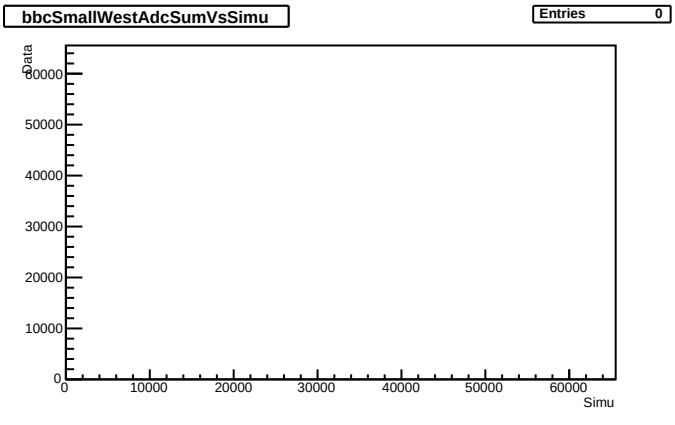
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 612159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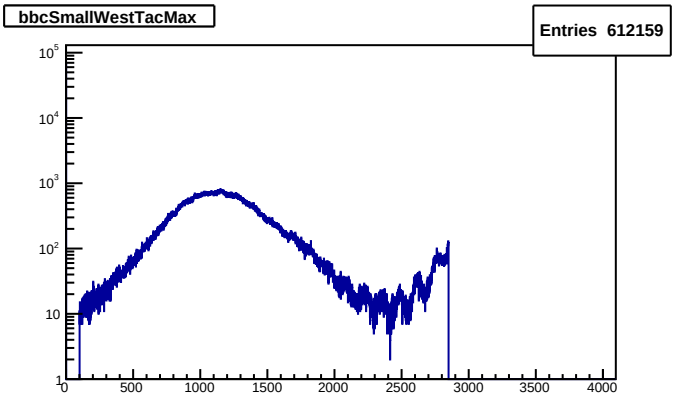
Entries 0
Data
Simu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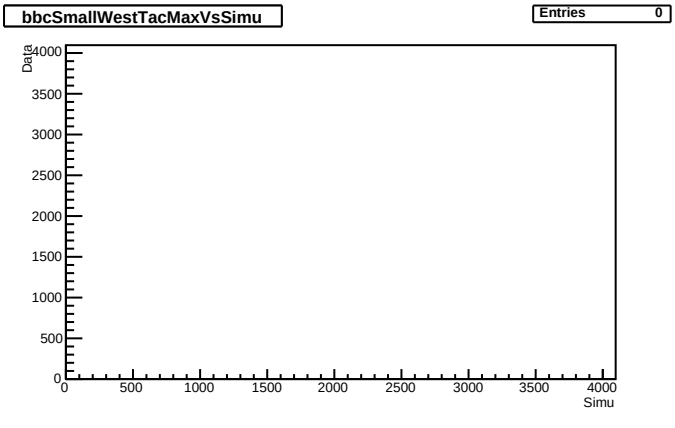
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Entries 0
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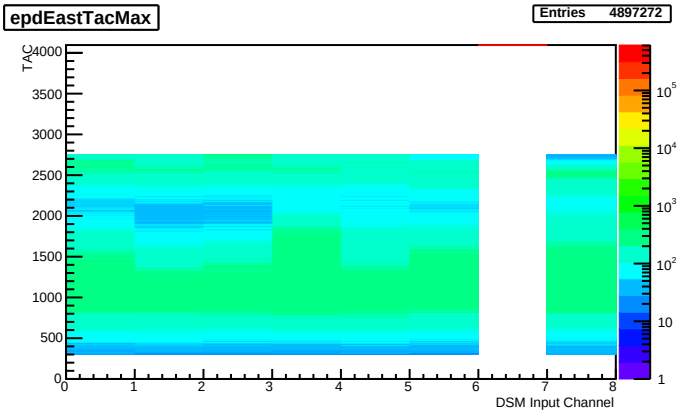
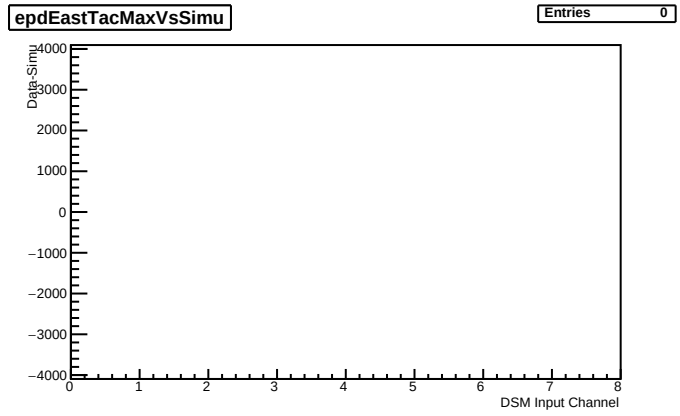
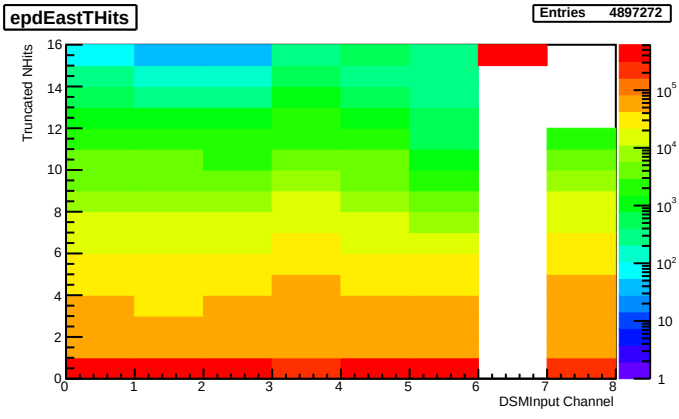
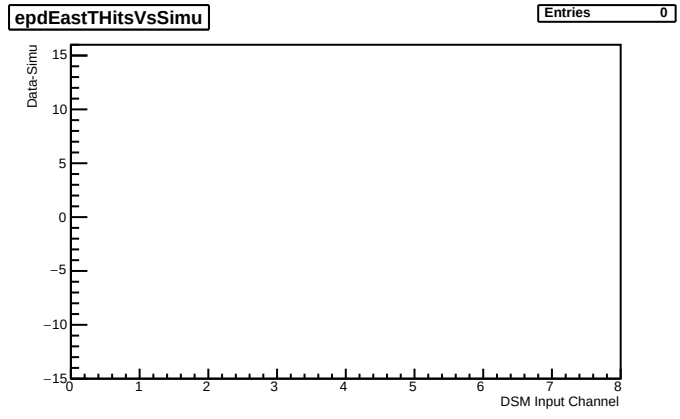
Simu


epdEastTacMax
Entries 4897272
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4897272
Truncated NHits
DSMInput Channel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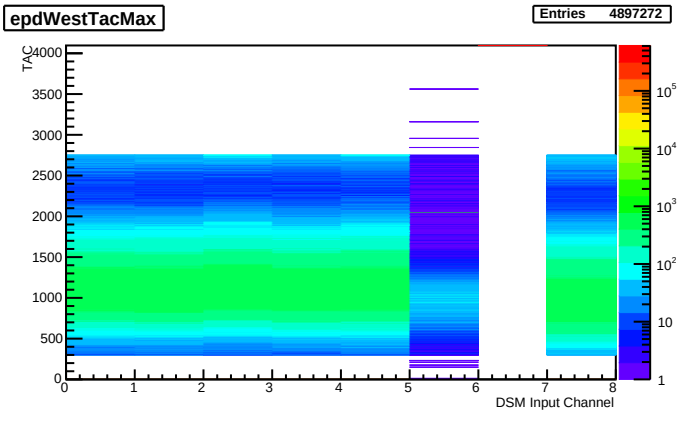
DSM Input Channel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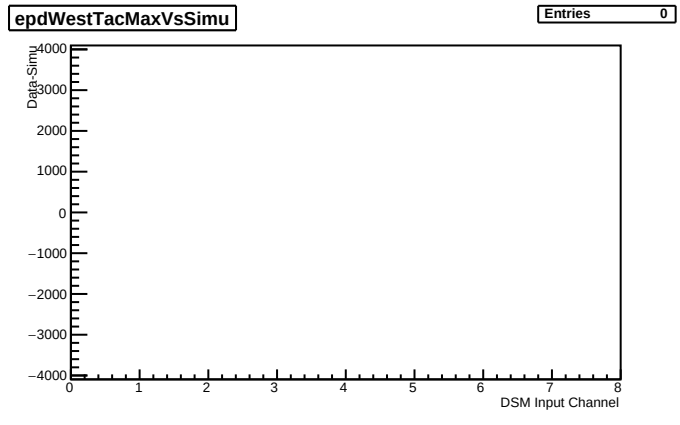
TAC
DSM Input Channel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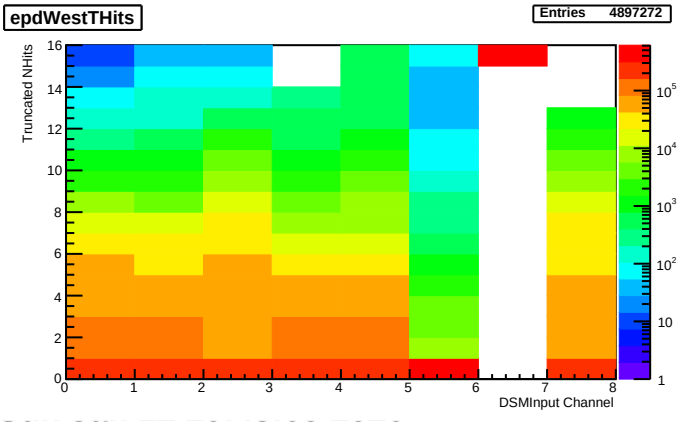
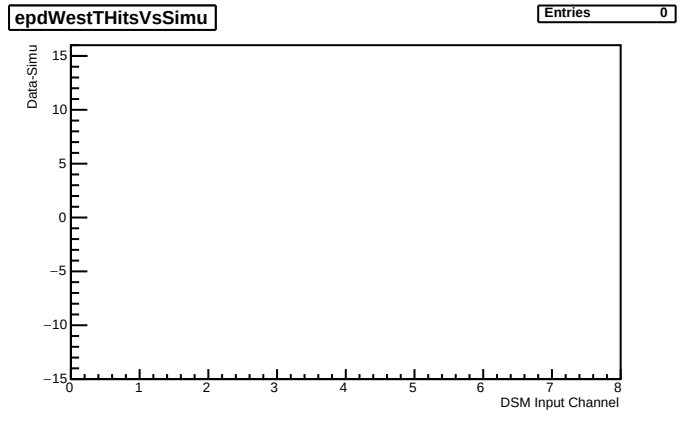
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4897272
Truncated NHits
DSMInput Channel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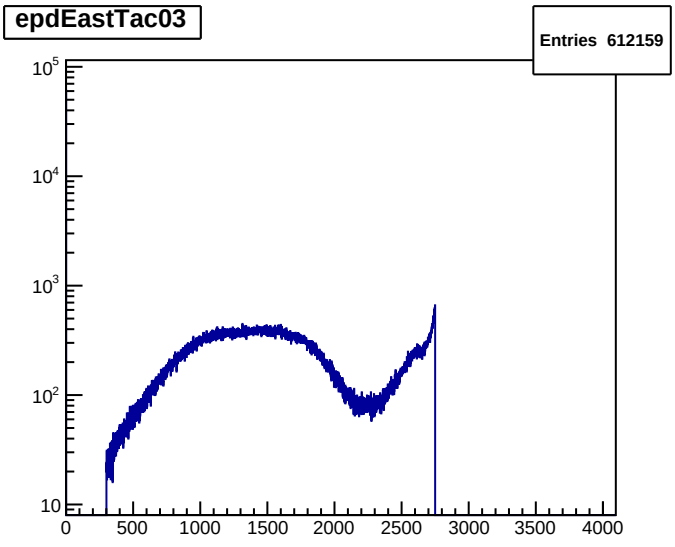
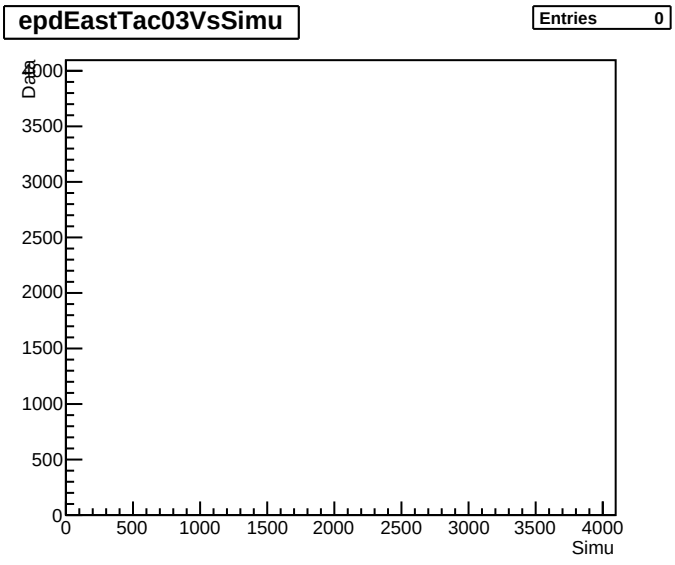
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 612159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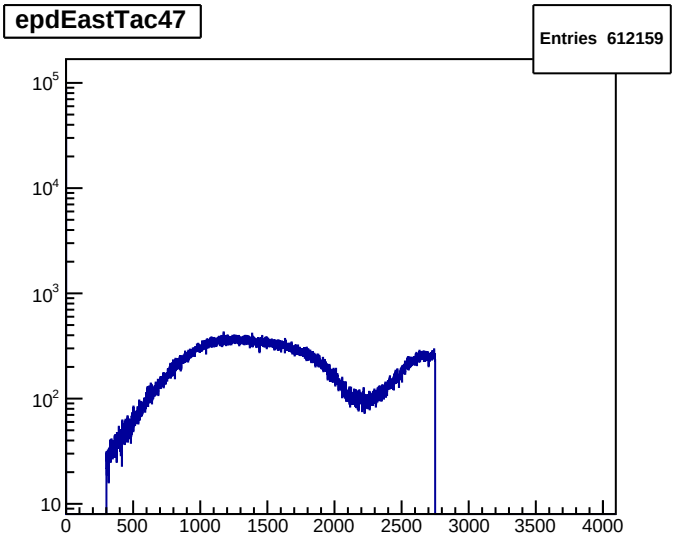
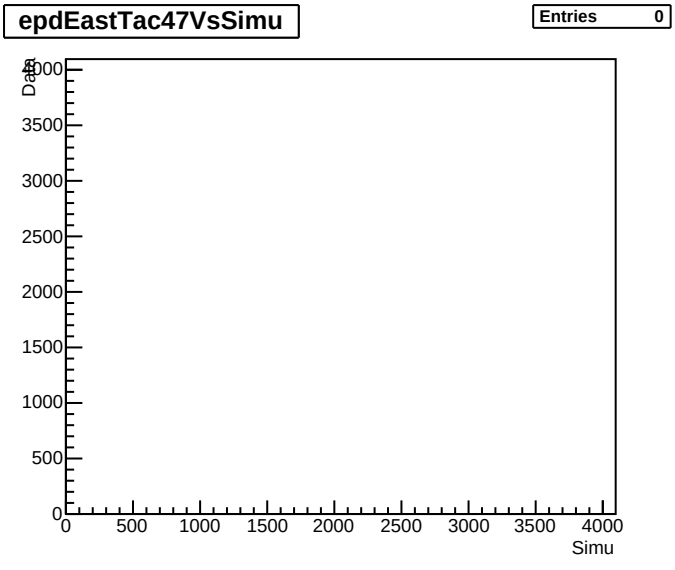
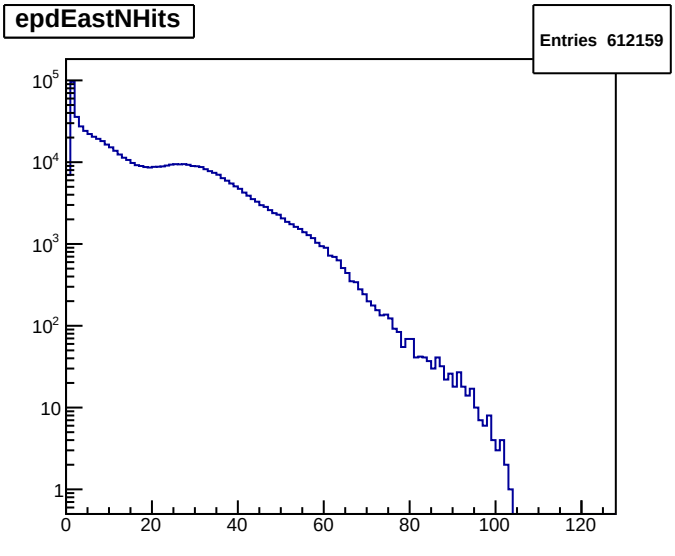
Entries 0
Data
Simu


epdEastTac47
Entries 612159


epdEastTac47VsSimu
Entries 0
Data
Simu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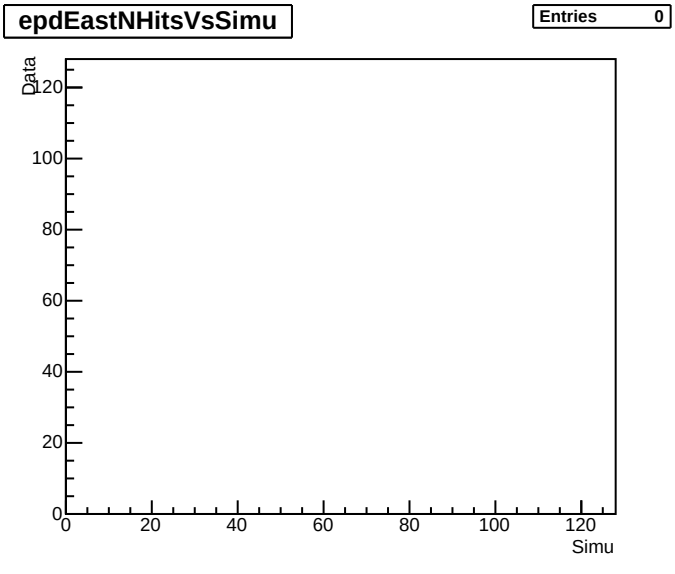
Entries 612159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Data
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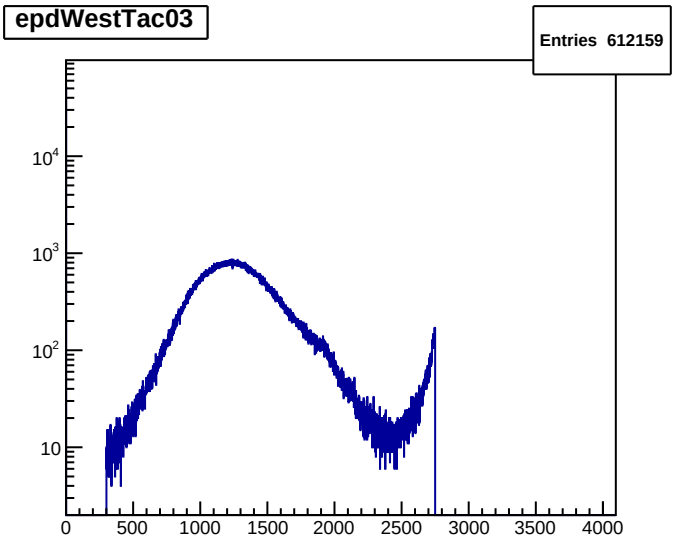
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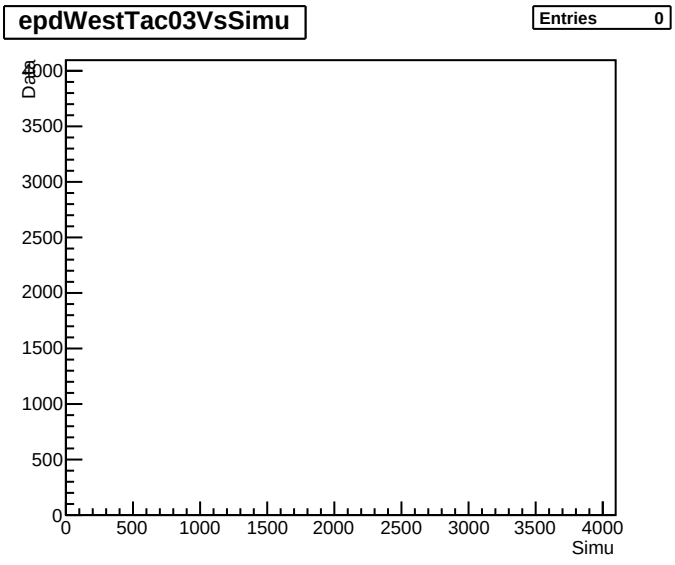
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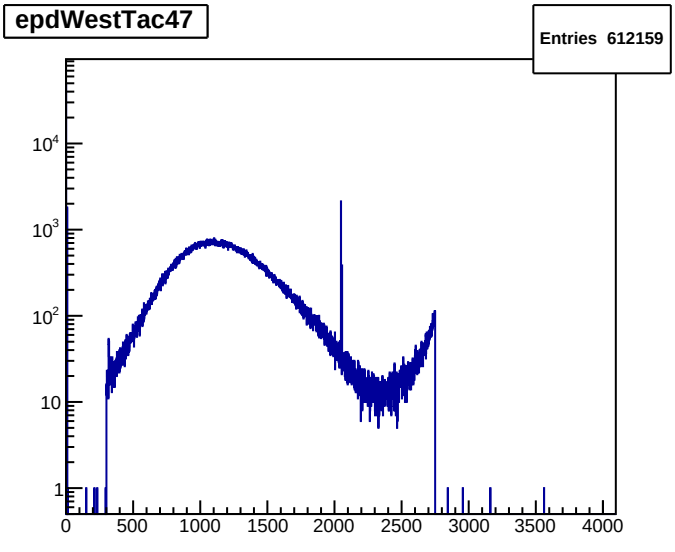
Entries 0
Data
Simu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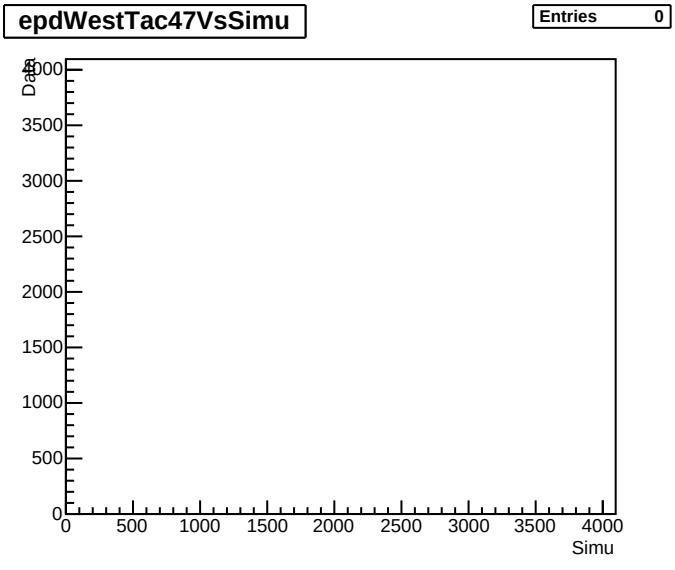
Entries 612159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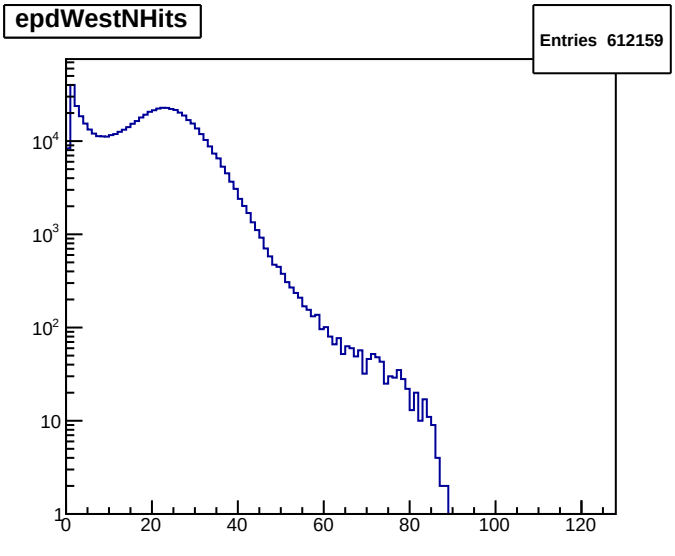
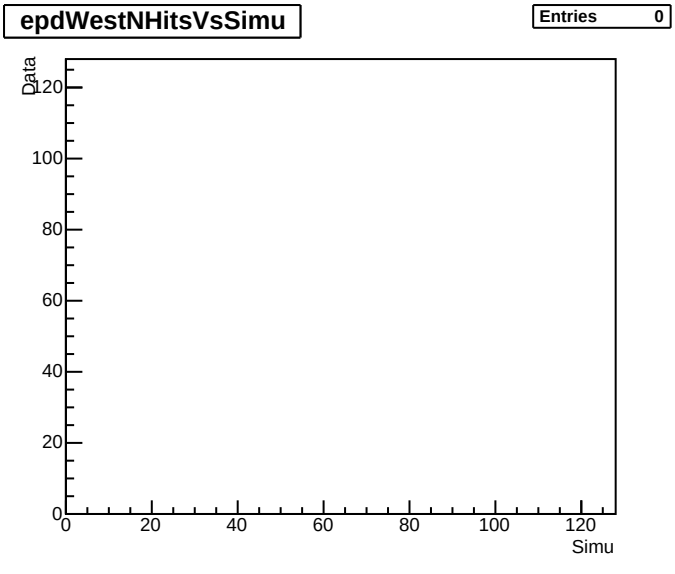
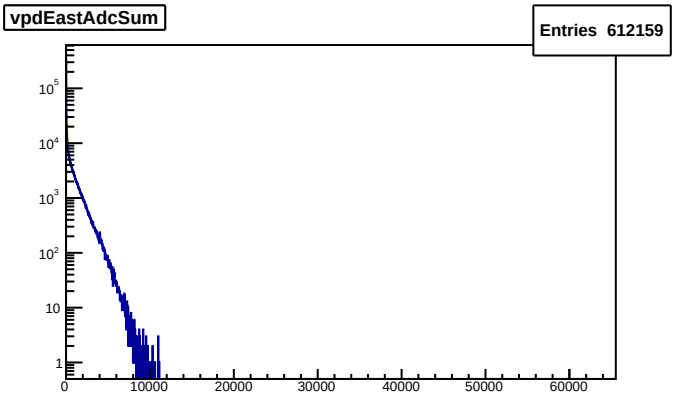
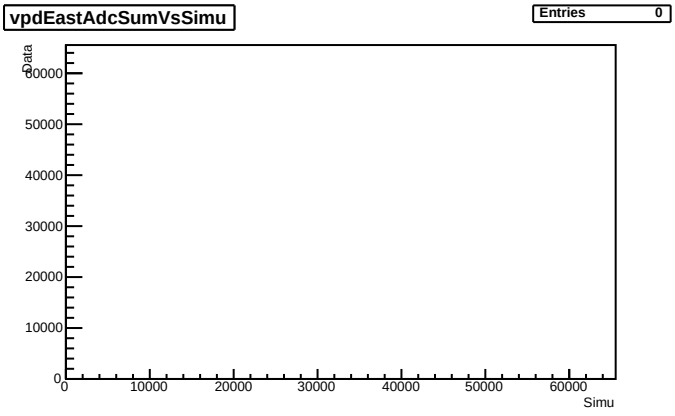
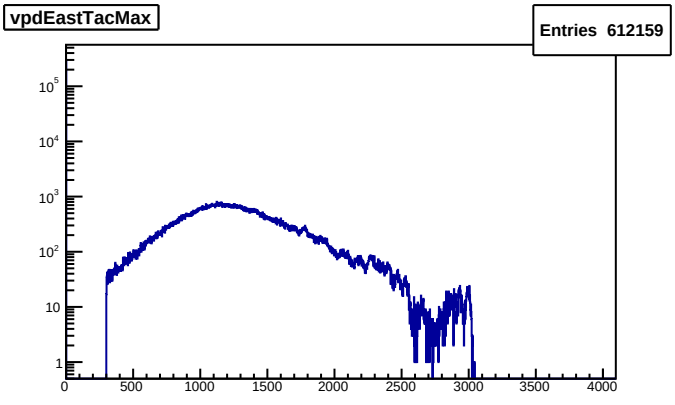
Entries 0
Data
Simu

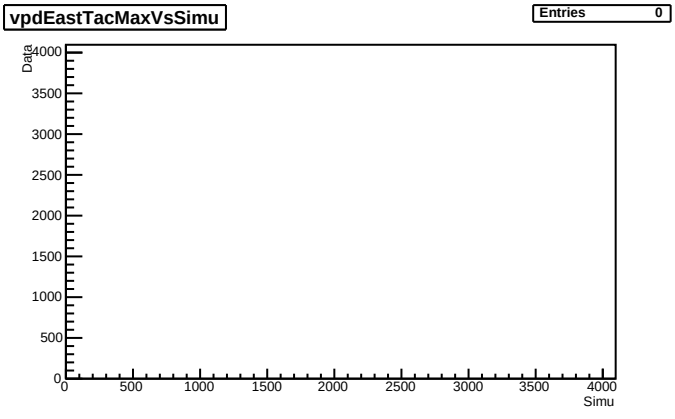

epdWestNHits
Entries 612159


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 612159


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 612159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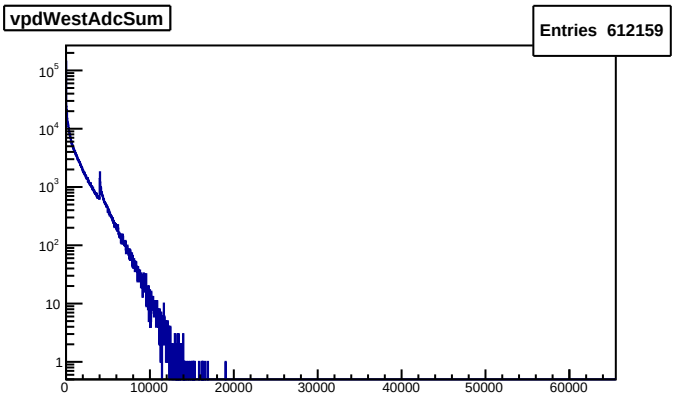
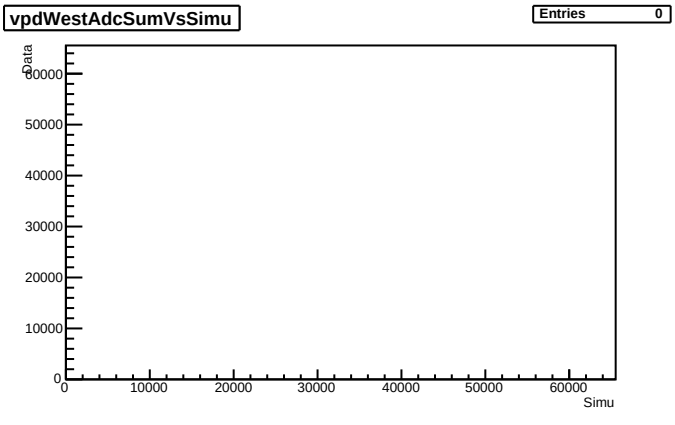
Entries 0
Data
Simu


vpdWestAdcSum
Entries 612159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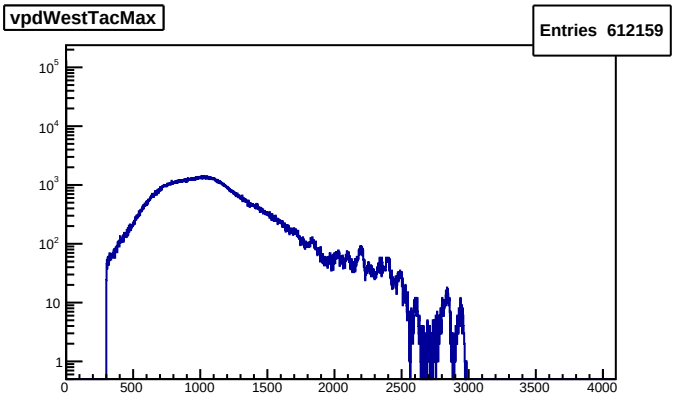
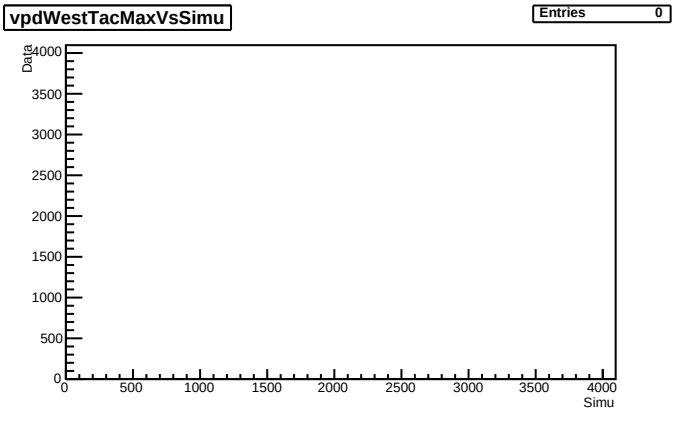
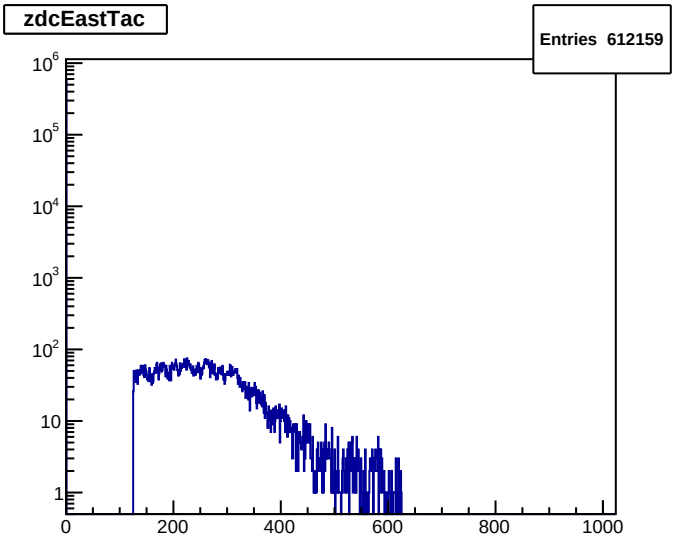
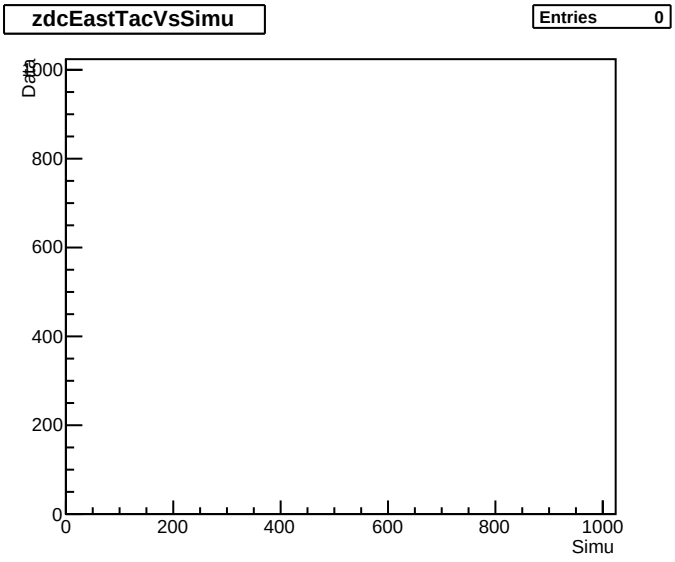
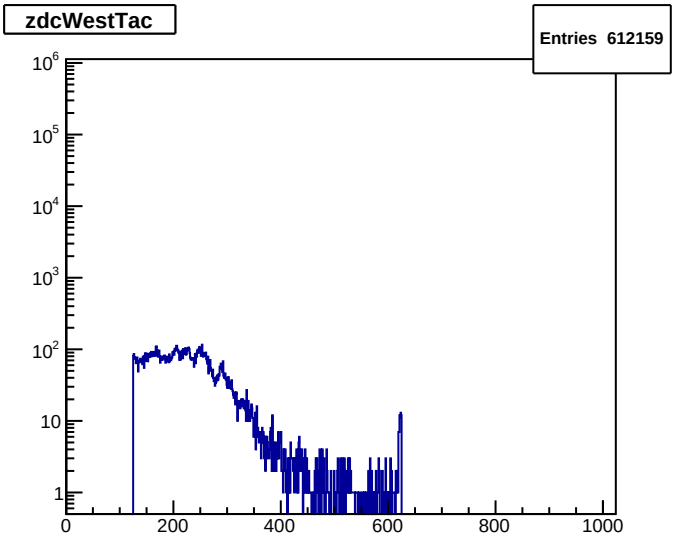
Entries 0
Data
Simu

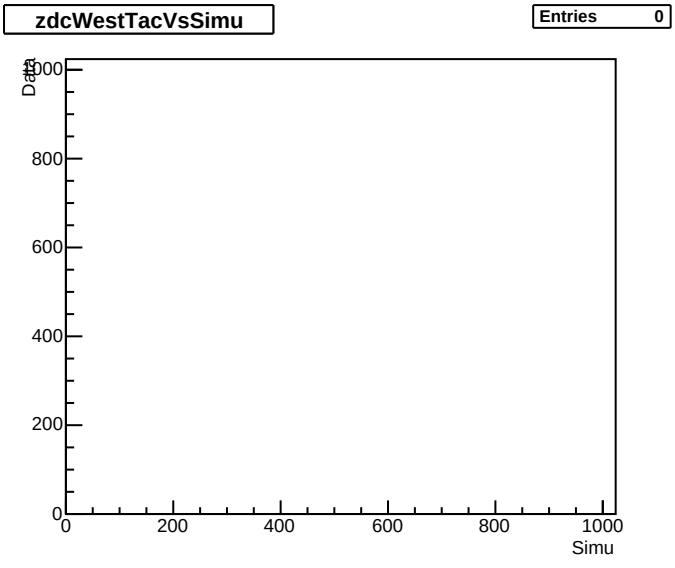

vpdWestTacMax
Entries 612159

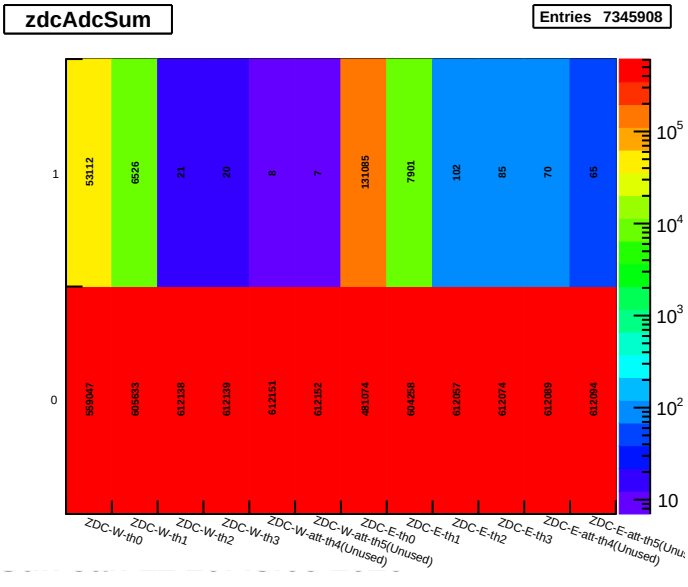

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 612159


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 612159


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 7345908
53112
6526
21
20
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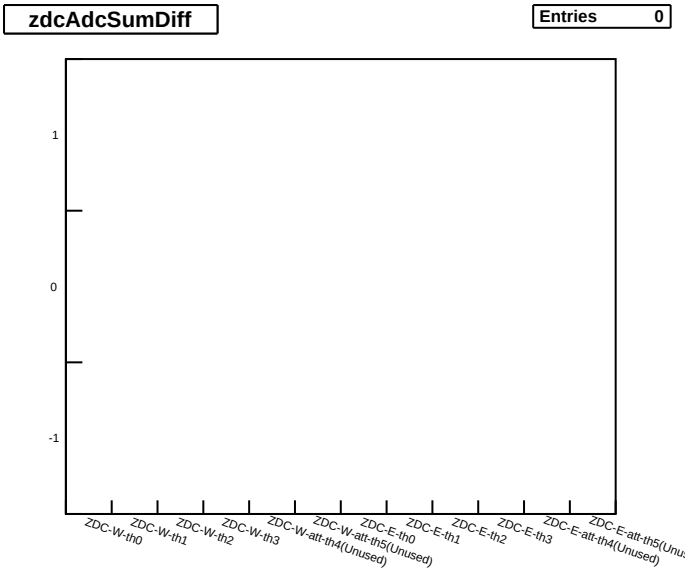
7
131085
7901
102
85
70
65
559047
605633
612138
612139
612151
612152
481074
604256
612057
612074
612089
612094
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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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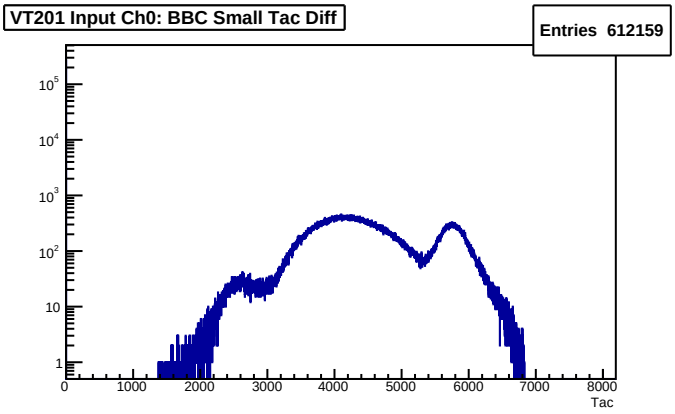
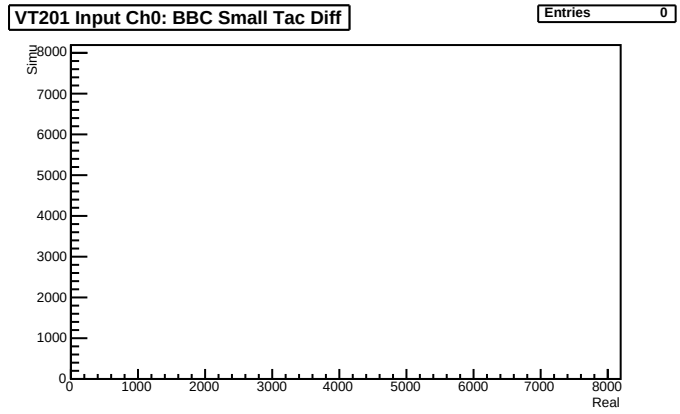
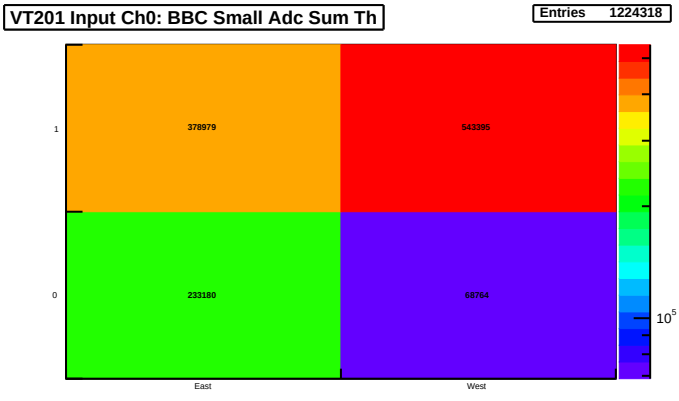
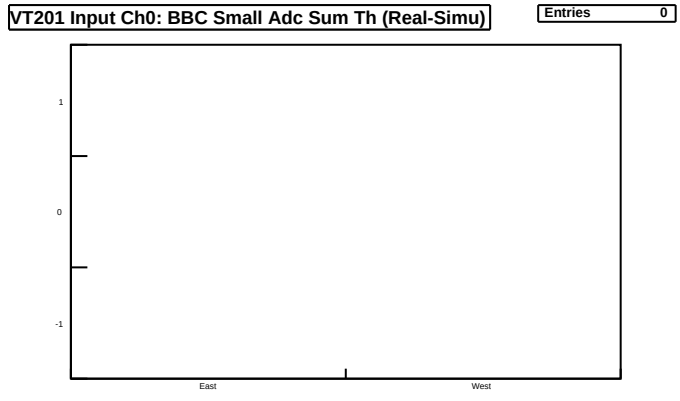
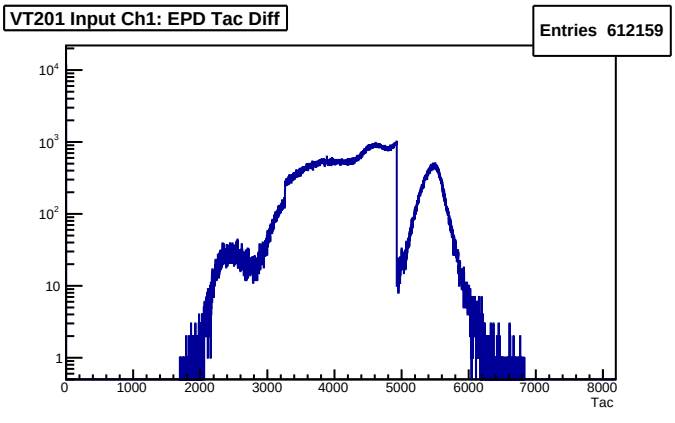
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

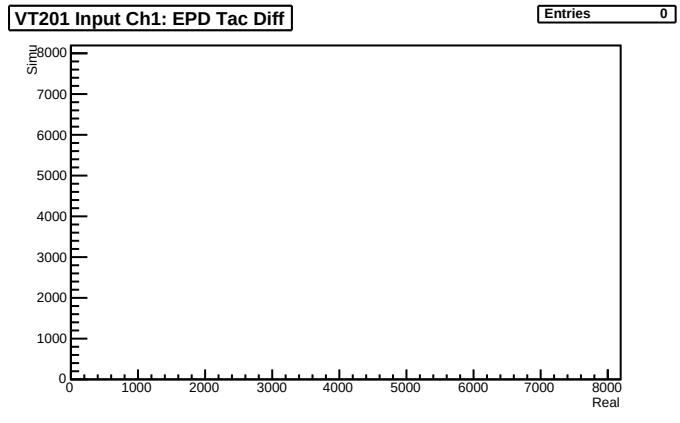

VT201 Input Ch0: BBC Small Tac Diff
Entries 612159
Tac

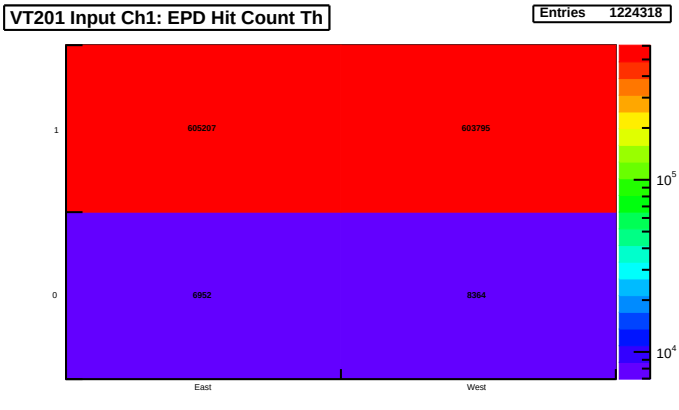

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

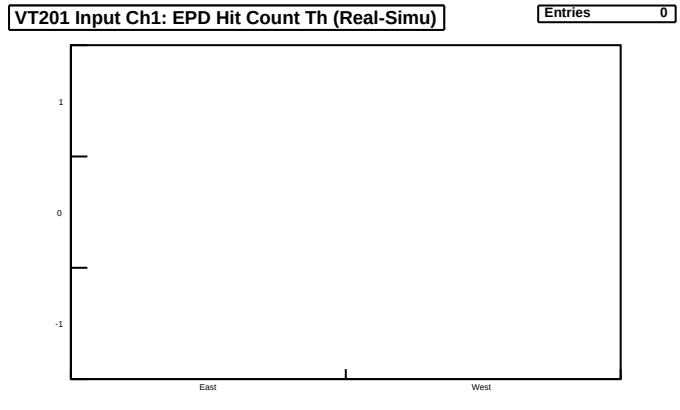

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1224318
378979
543395
233180
69764
East
West

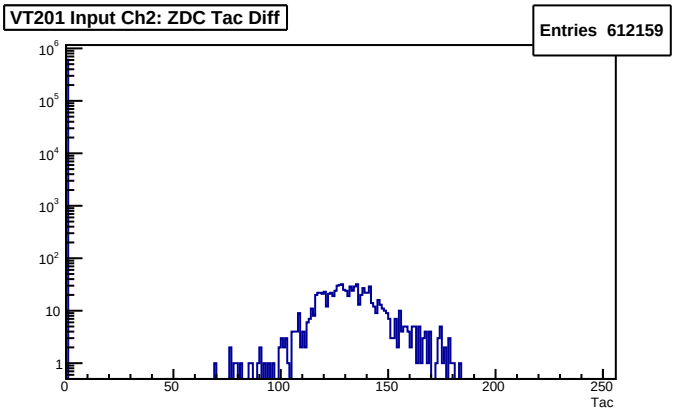

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

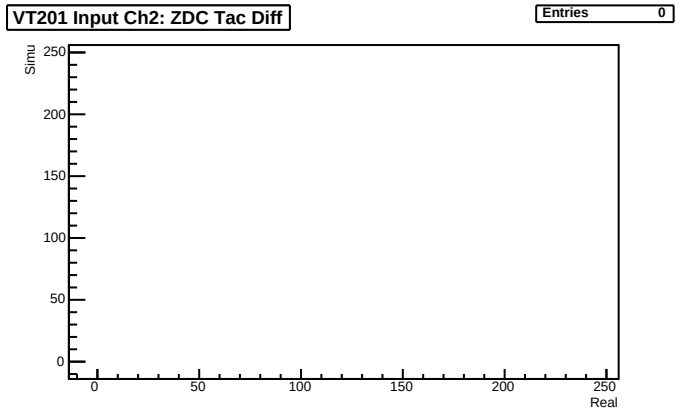

VT201 Input Ch1: EPD Tac Diff
Entries 612159
Tac

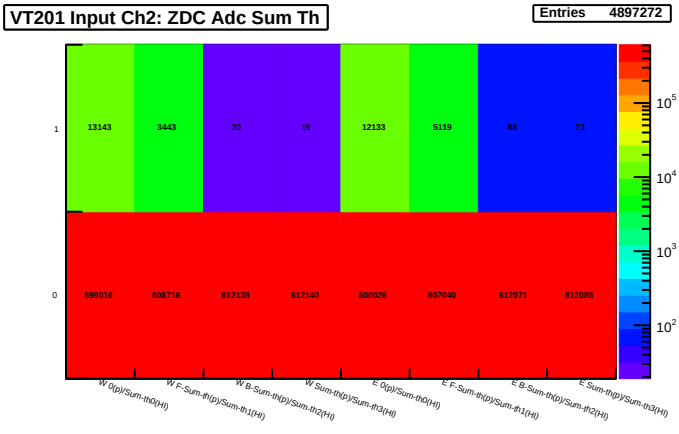

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

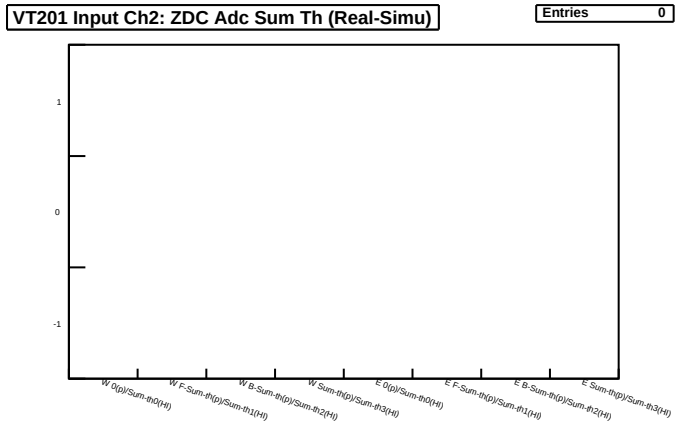

VT201 Input Ch1: EPD Hit Count Th
Entries 1224318
605207
603795
6952
8364
East
West

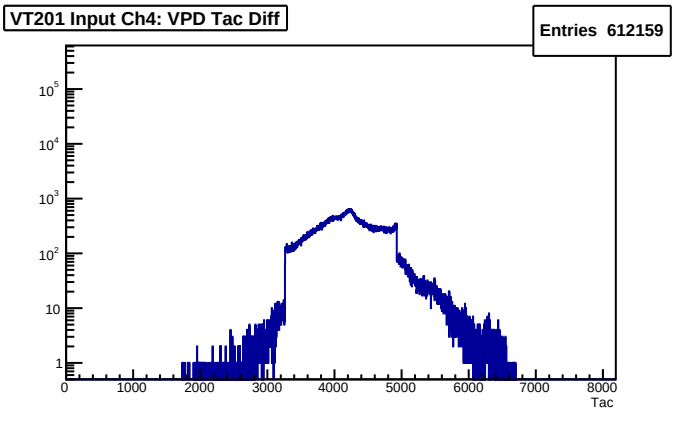

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

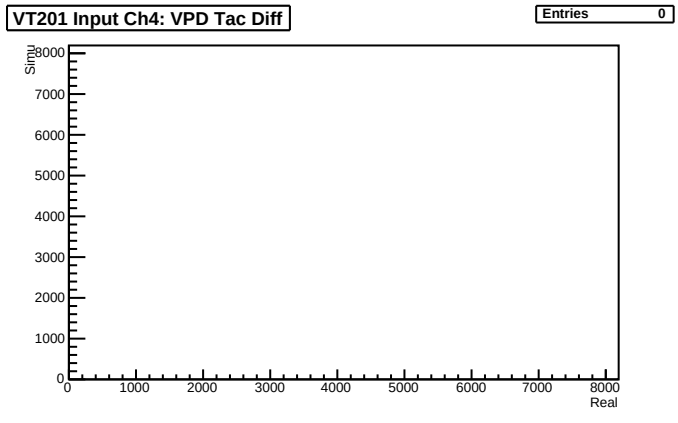

VT201 Input Ch2: ZDC Tac Diff
Entries 612159
Tac

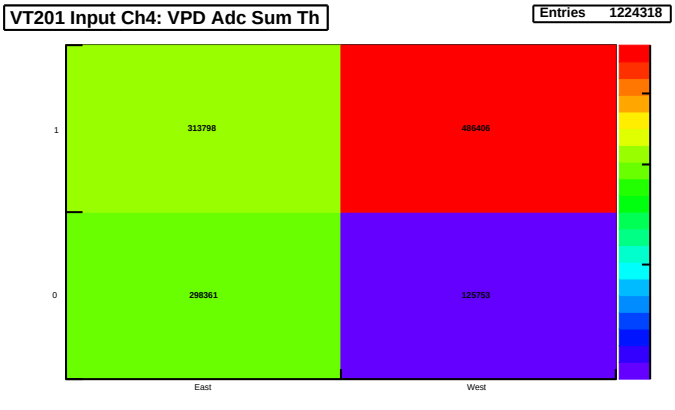

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

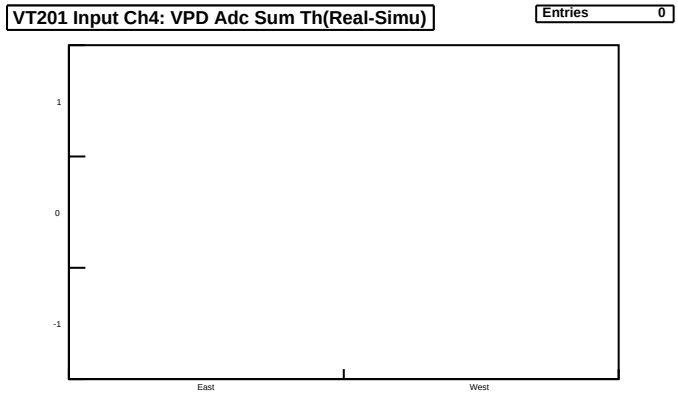

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4897272
13143
3443
20
19
12133
5119
88
73
599016
608716
612139
612140
600026
607040
612071
612086
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

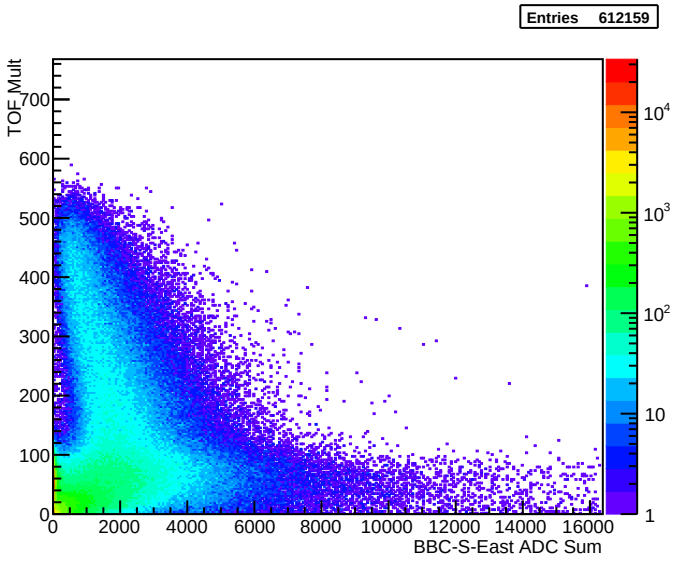

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

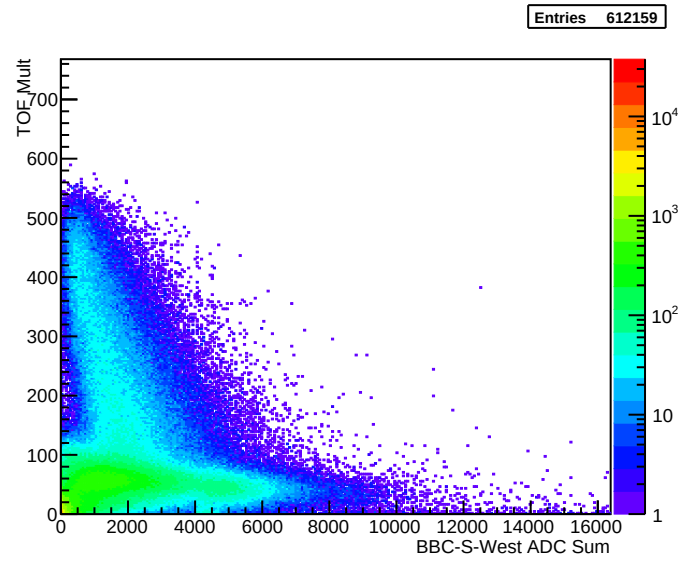

VT201 Input Ch4: VPD Tac Diff
Entries 612159
Tac

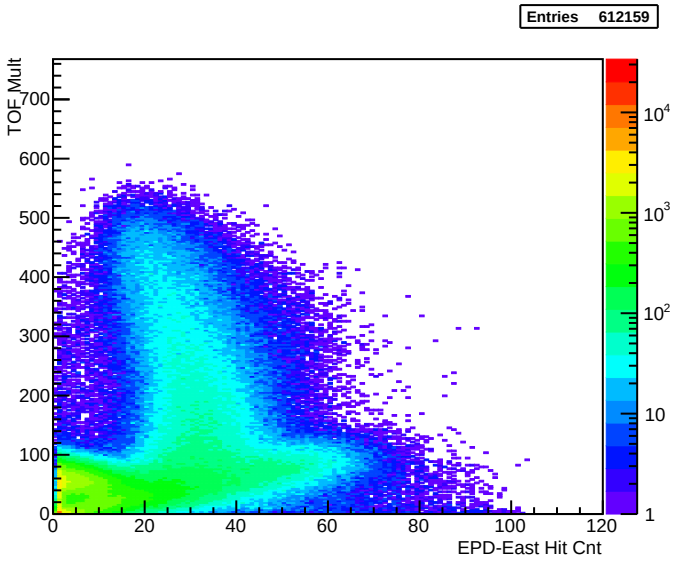

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

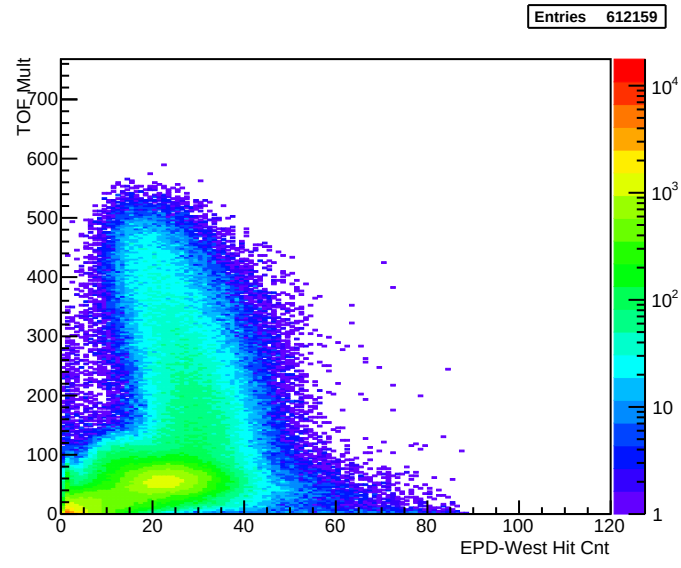

VT201 Input Ch4: VPD Adc Sum Th
Entries 1224318
313798
486406
298361
125753
East
West

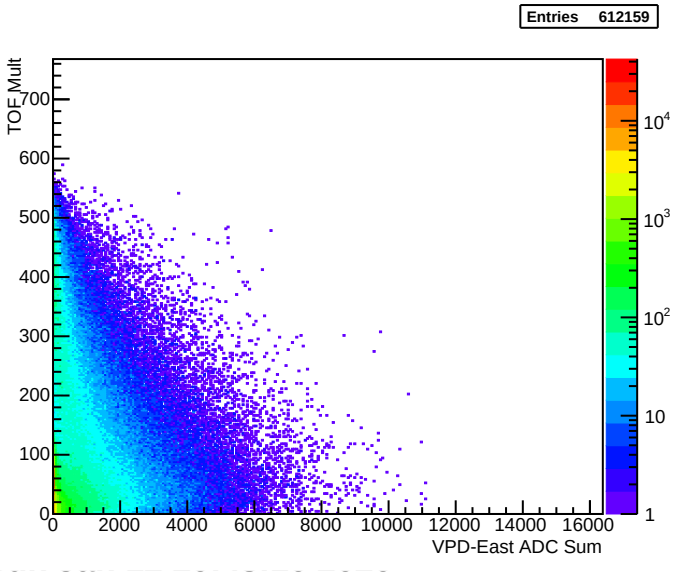

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

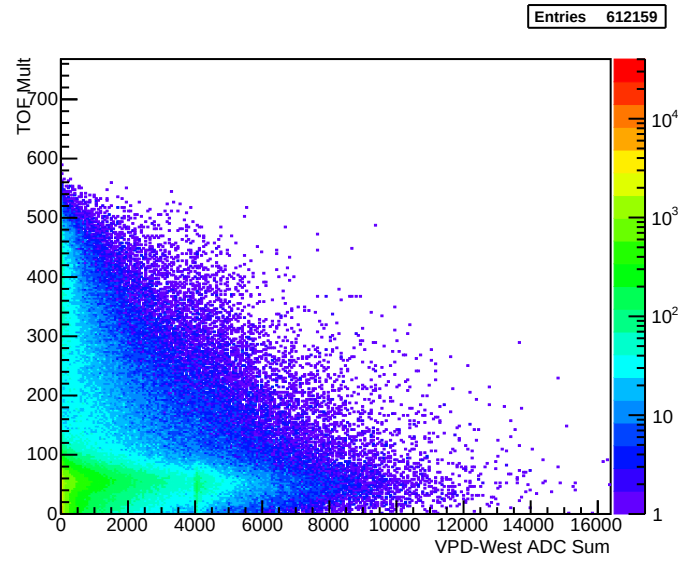

Entries 612159
TOF_Mult
BBC-S-East ADC Sum

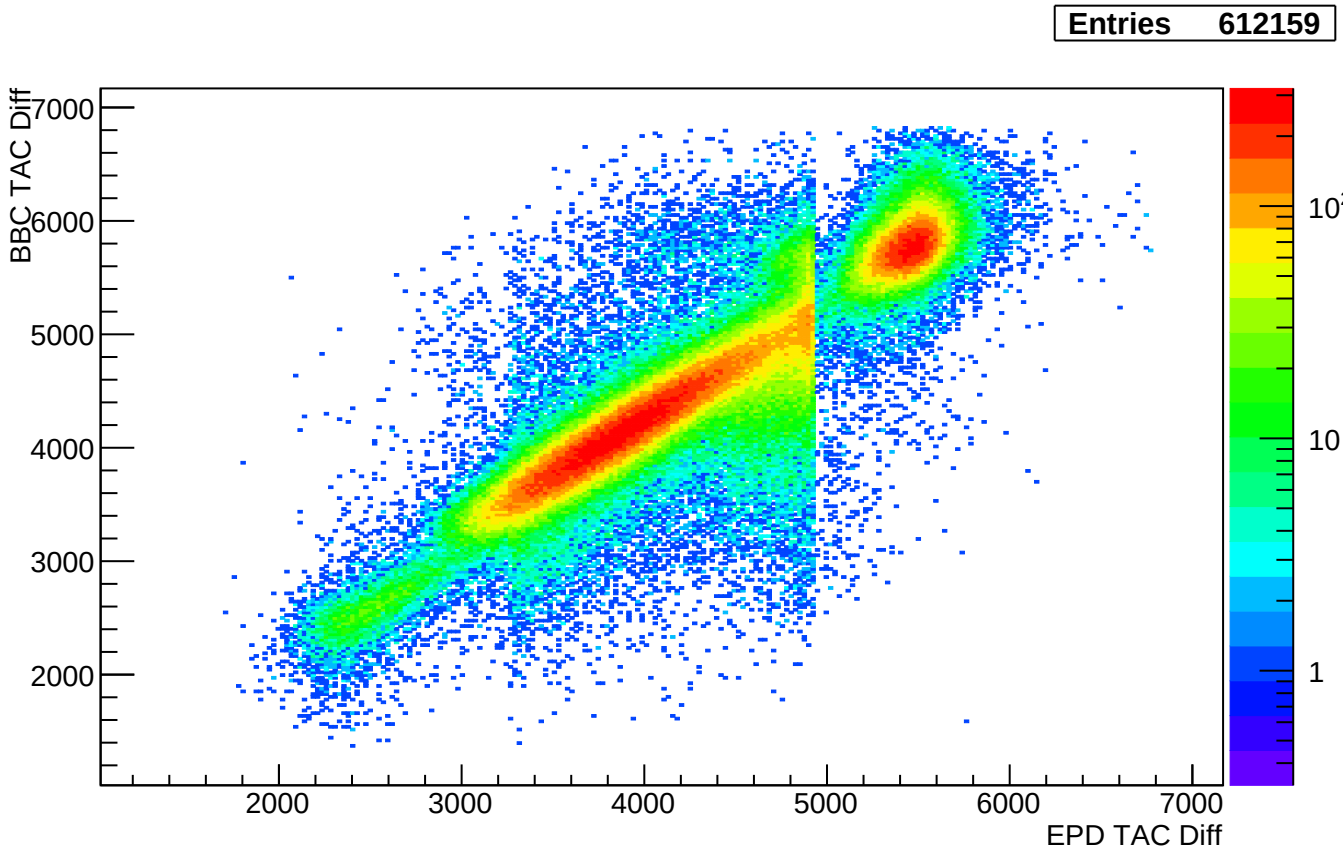

Entries 612159
TOF_Mult
BBC-S-West ADC Sum

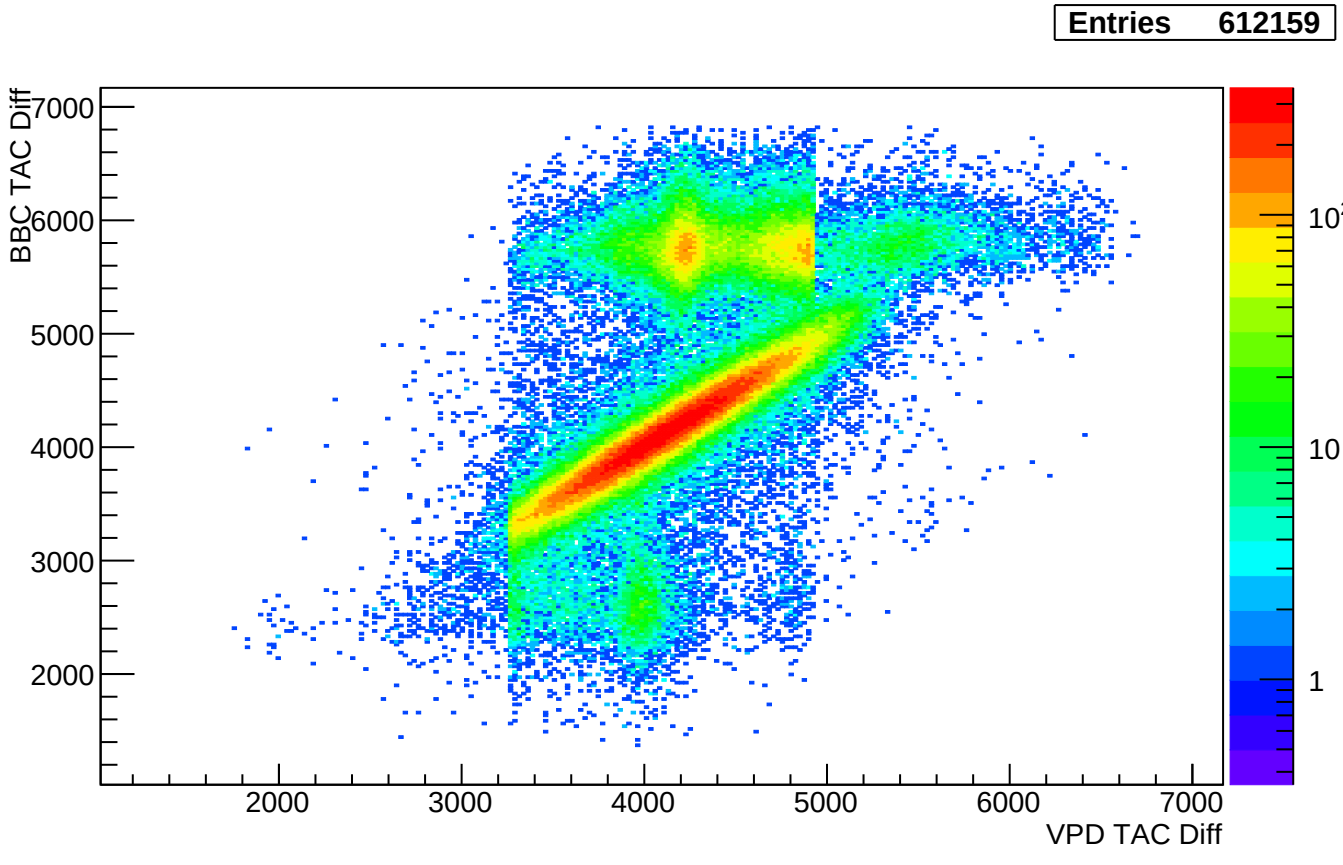

Entries 612159
TOF_Mult
EPD-East Hit Cnt

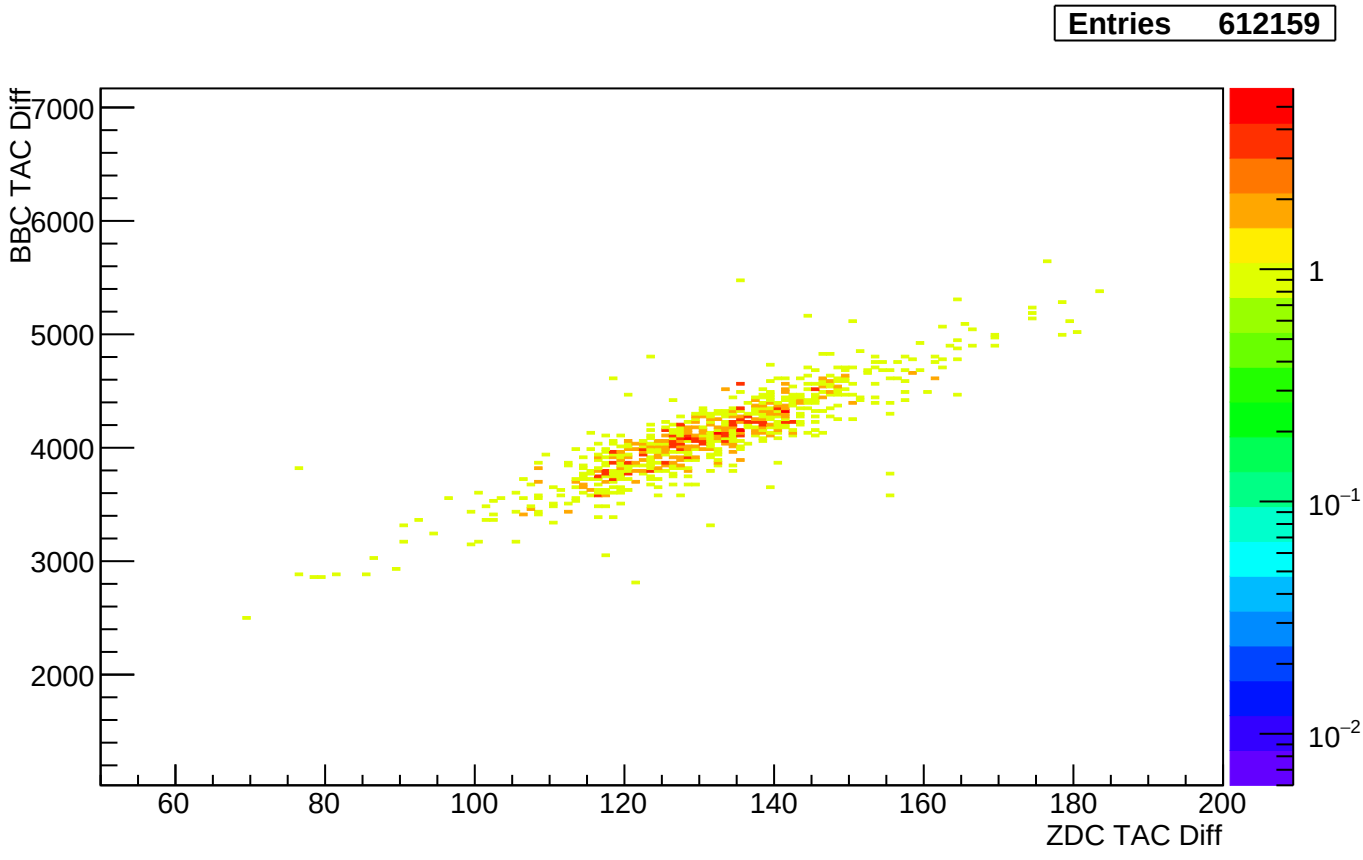

Entries 612159
TOF_Mult
EPD-West Hit Cnt

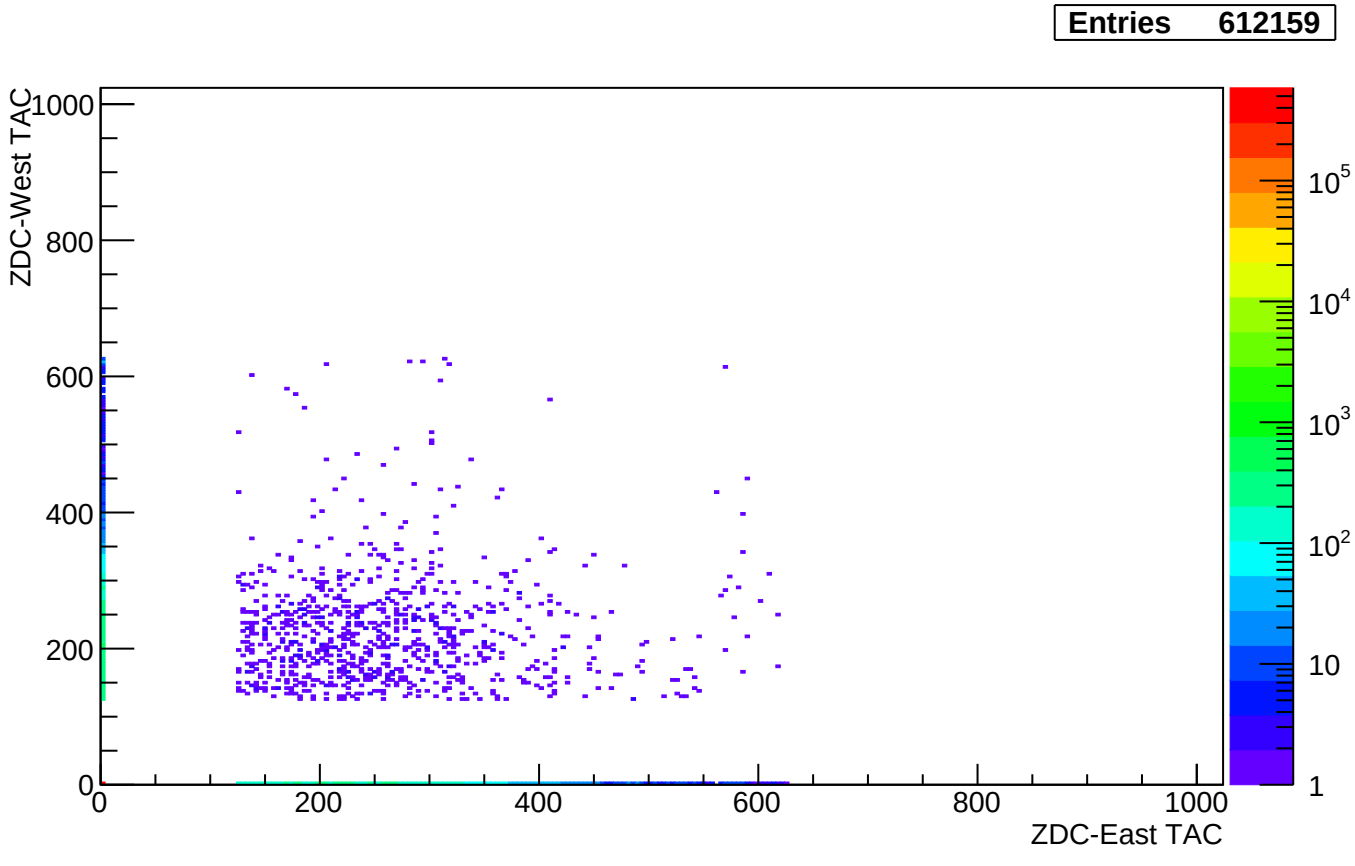

Entries 612159
TOF_Mult
VPD-East ADC Sum

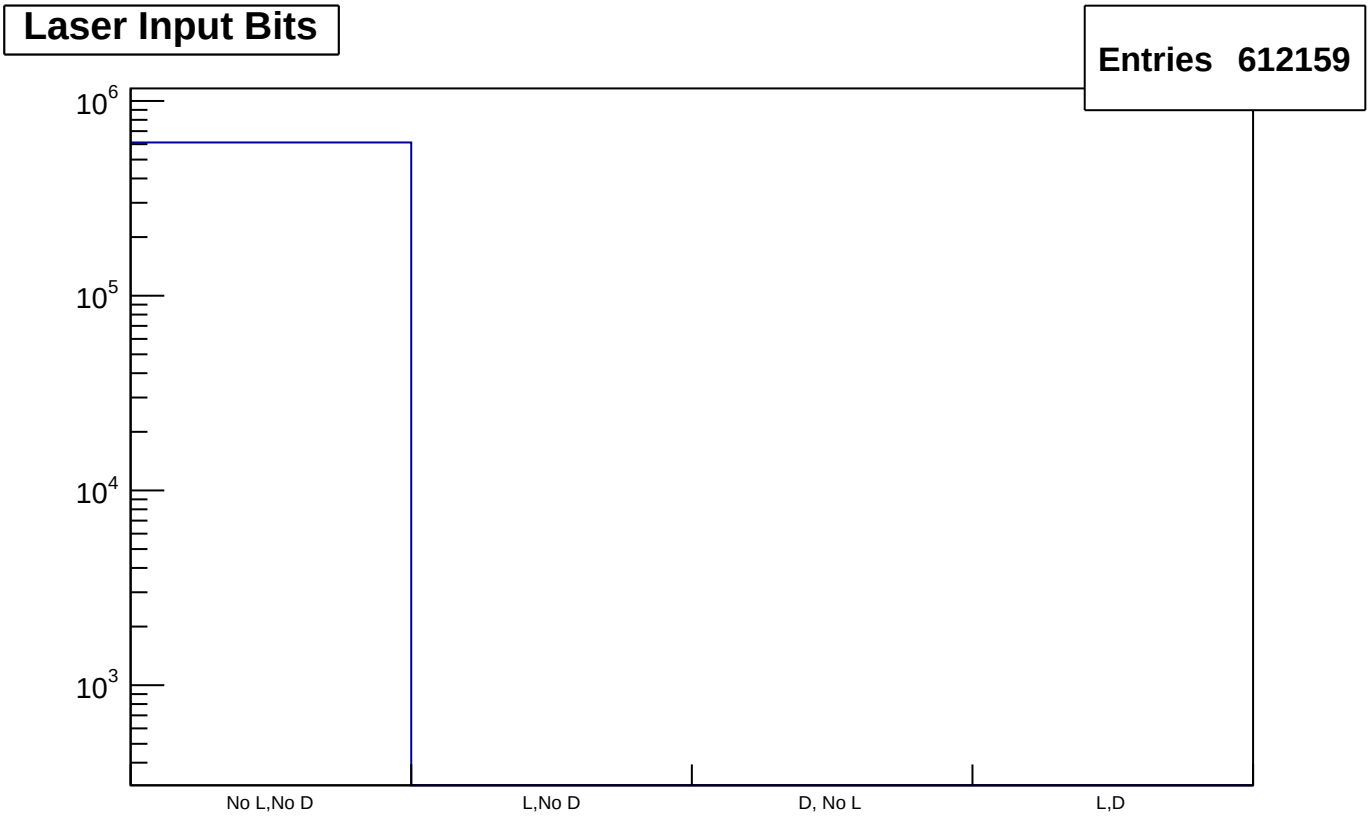

Entries 612159
TOF_Mult
VPD-West ADC Sum

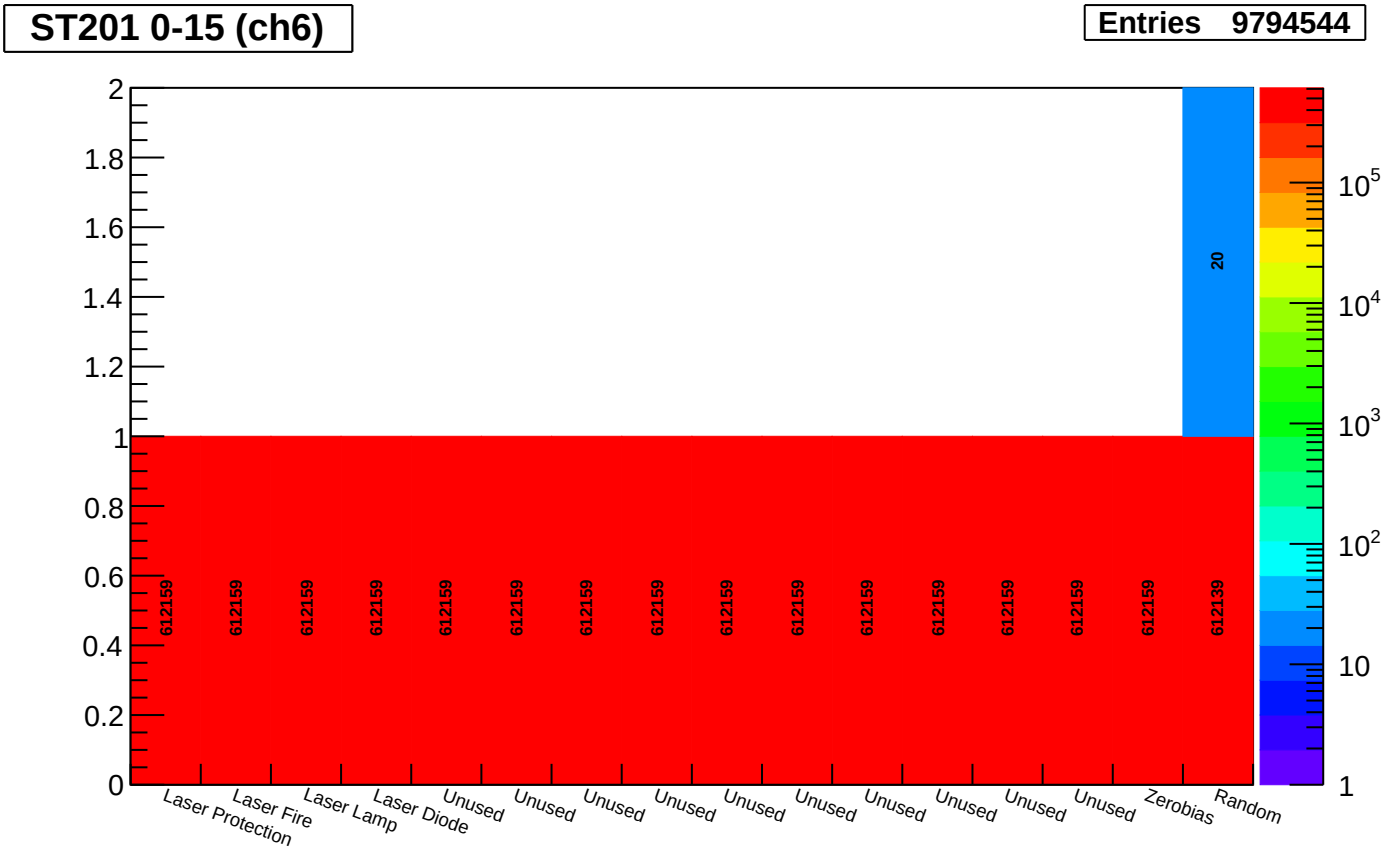

Entries 612159
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

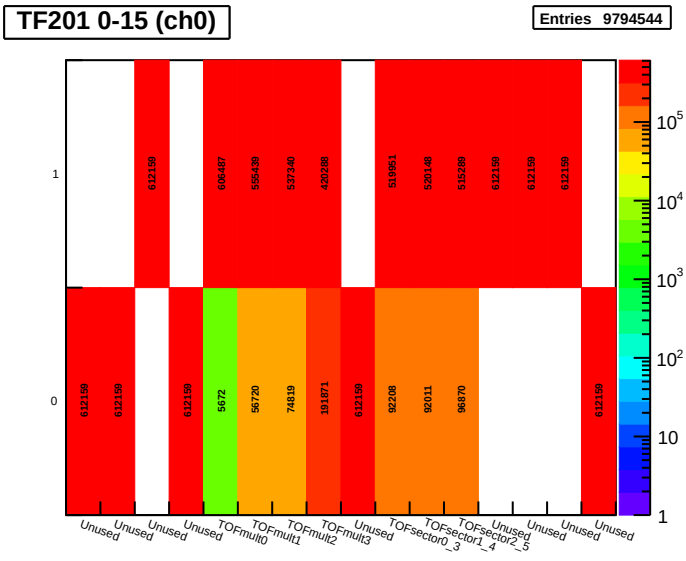

Entries 612159
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

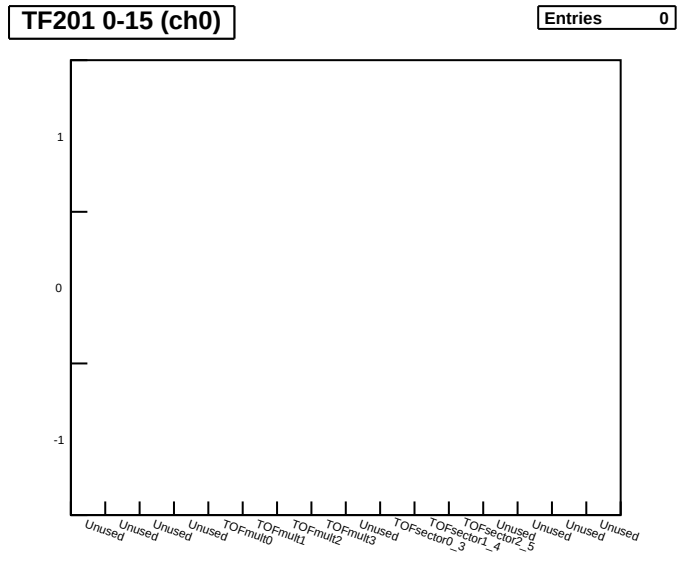

Entries 612159
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

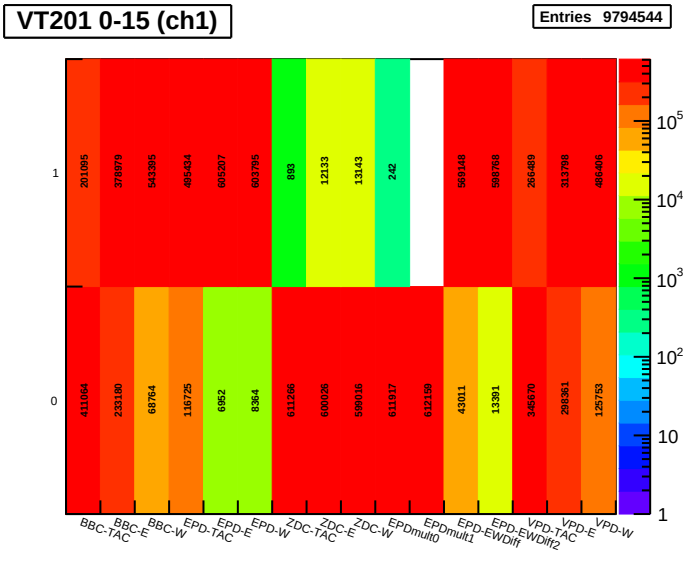

Entries 612159
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

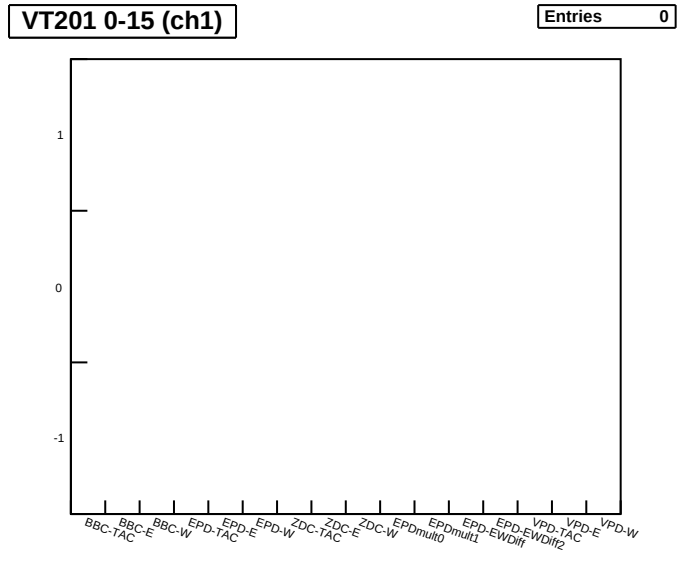

Laser Input Bits
Entries 612159
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

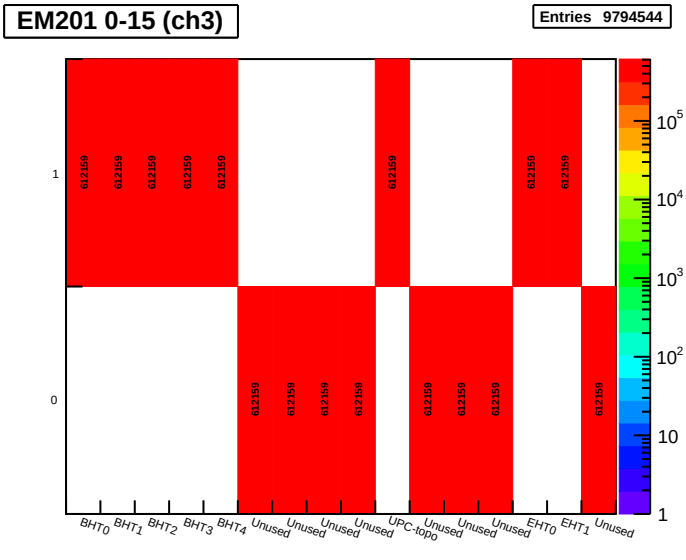

ST201 0-15 (ch6)
Entries 9794544
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
20
612159
612139
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

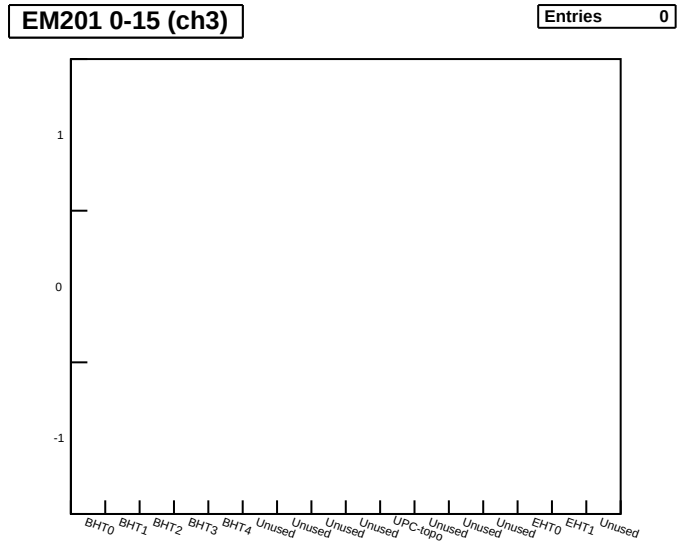

TF201 0-15 (ch0)
Entries 9794544
1
0
612159 612159 612159 612159 612159 612159 612159 612159 612159 612159 612159 612159 612159 612159 612159 612159
606487 555439 537340 420288 519951 520148 515289
5672 56720 74819 191871 92208 92011 96870
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 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 9794544
1
0
201095 378979 543395 495434 605207 603795 893 12133 13143 242 569148 598768 266489 313788 486406
411064 233180 68764 116725 6952 8364 611266 600026 599016 611917 612159 43011 13391 345670 298361 125753
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 9794544
1
0
612159 612159 612159 612159 612159 612159 612159 612159 612159
612159 612159 612159 612159 612159 612159 612159 612159
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