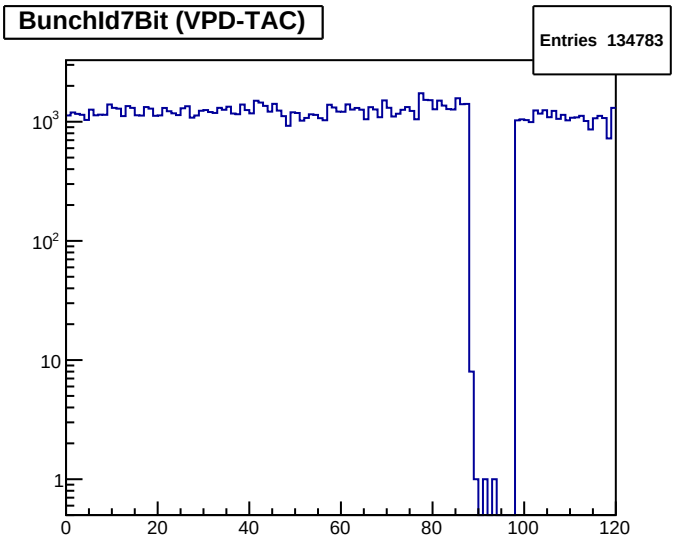
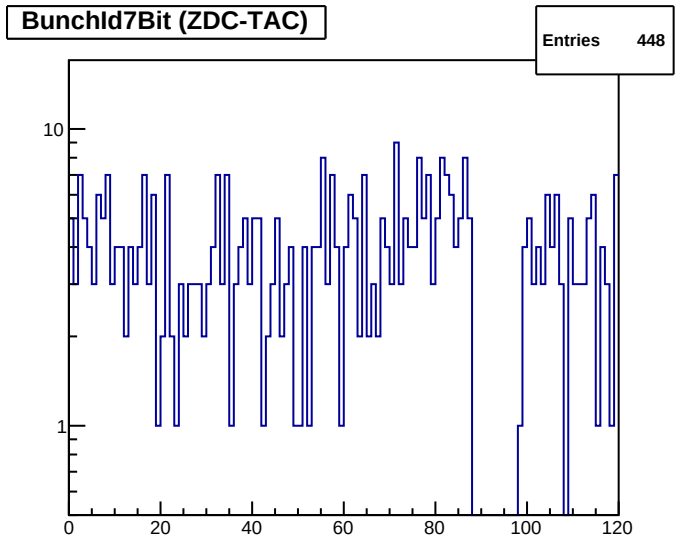
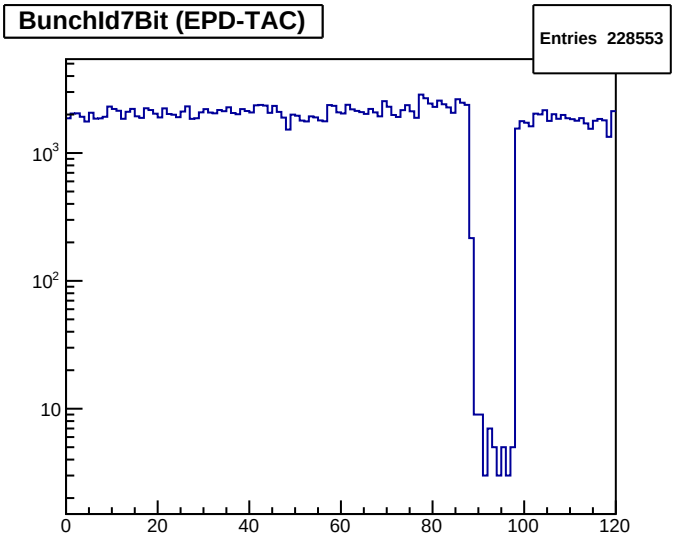
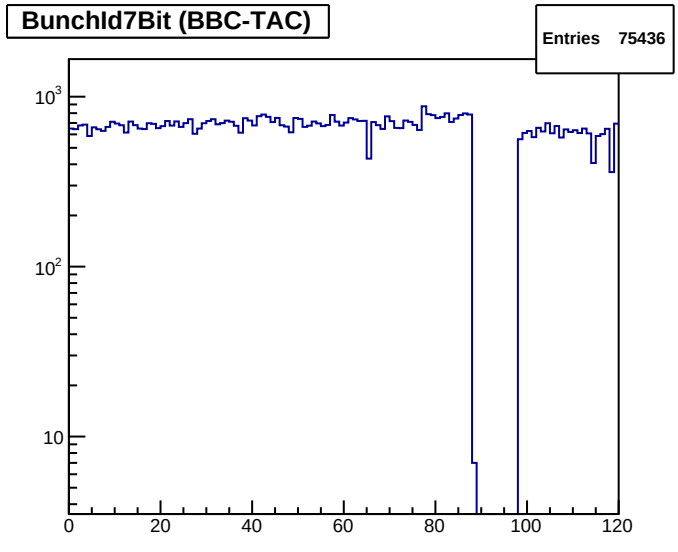
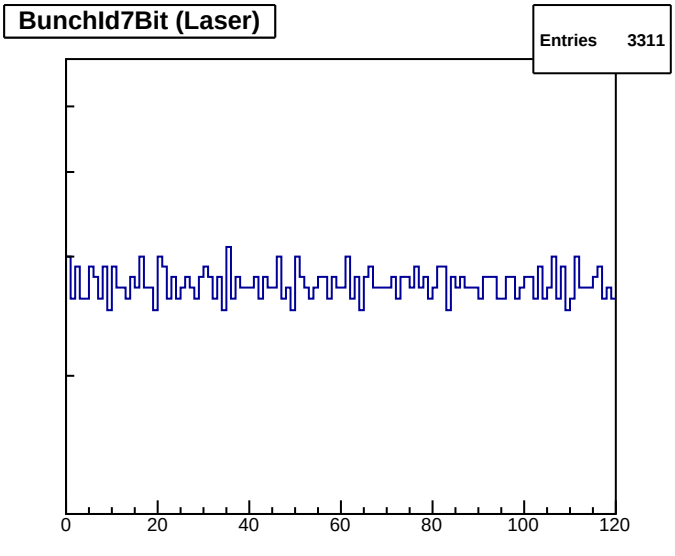
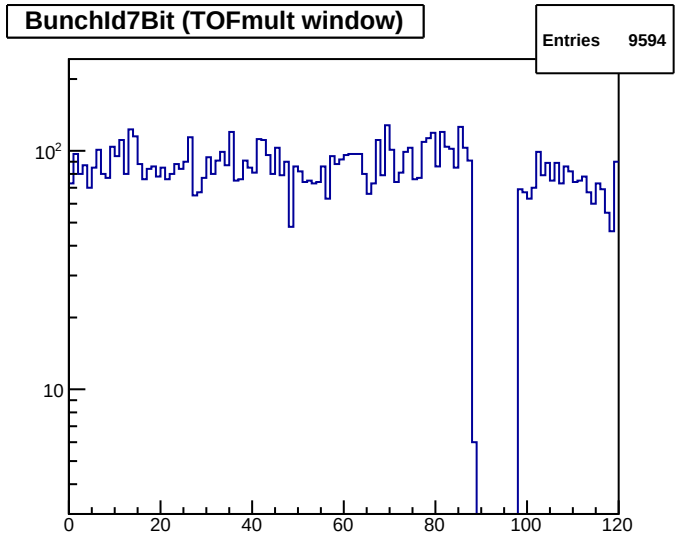

BunchId7Bit (VPD-TAC)
Entries 134783
10^3
10^2
10
1
0
20
40
60
80
100
120

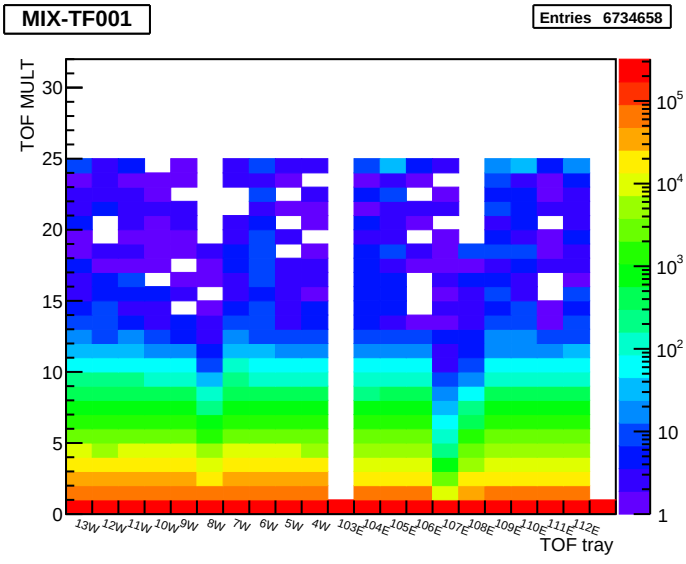

BunchId7Bit (ZDC-TAC)
Entries 448
10
1
0
20
40
60
80
100
120

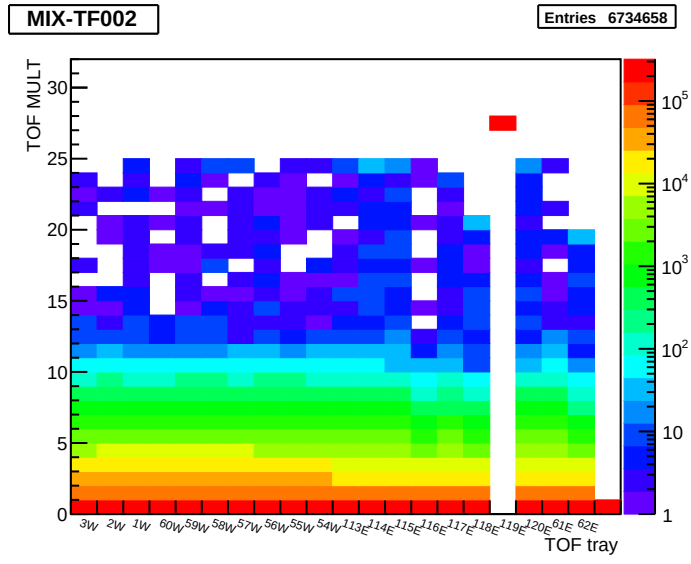

BunchId7Bit (EPD-TAC)
Entries 228553
10^3
10^2
10
0
20
40
60
80
100
120

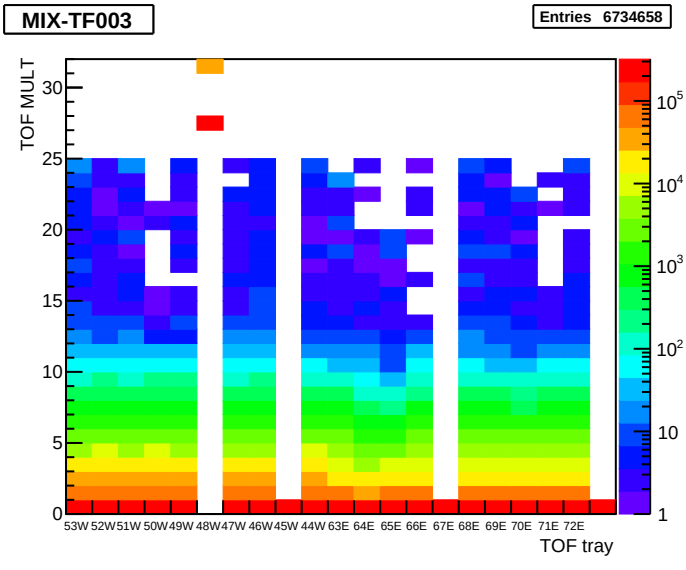

BunchId7Bit (BBC-TAC)
Entries 75436
10^3
10^2
10
0
20
40
60
80
100
120

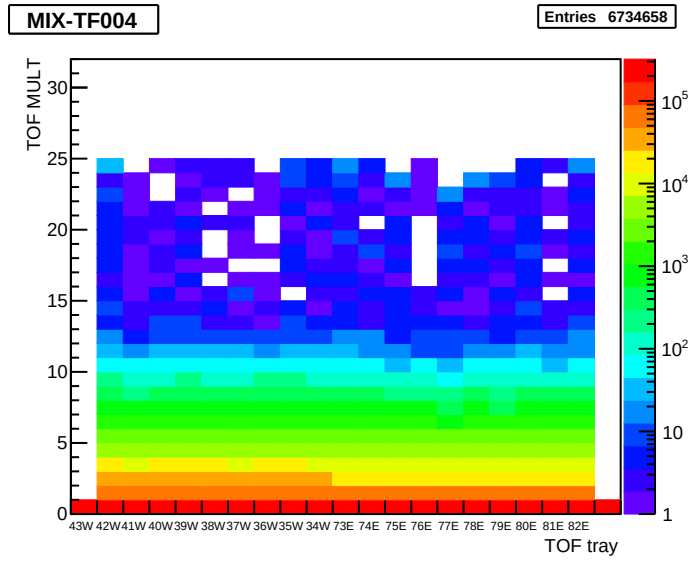

BunchId7Bit (Laser)
Entries 3311
0
20
40
60
80
100
120

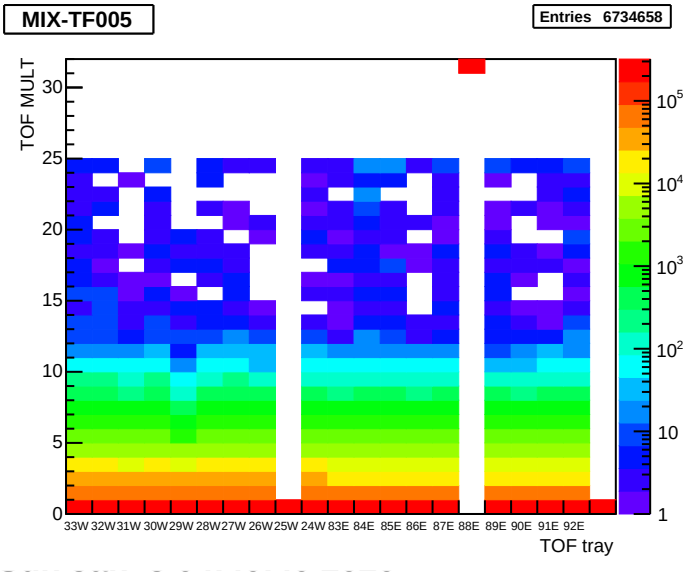

BunchId7Bit (TOFmult window)
Entries 9594
10^2
10
0
20
40
60
80
100
120

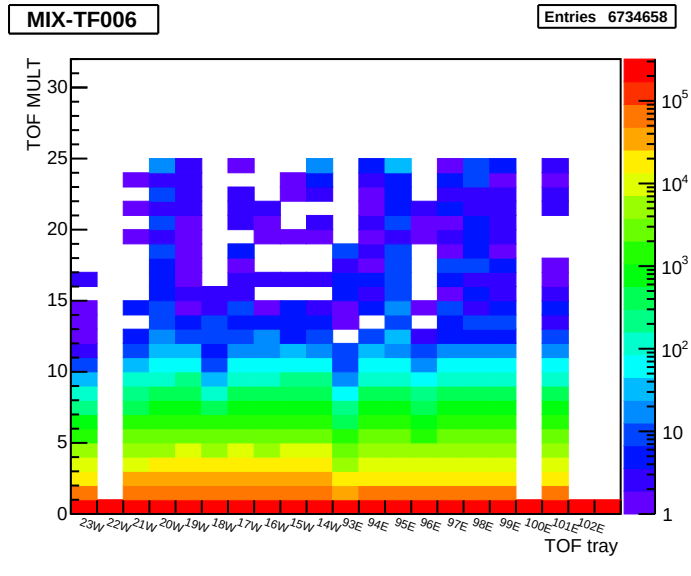

MIX-TF001
Entries 6734658
TOF MULT
TOF tray

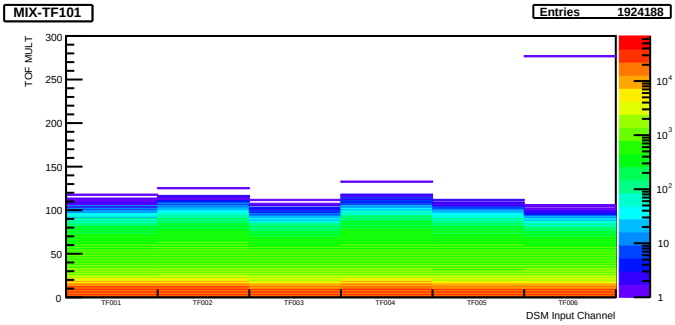

MIX-TF002
Entries 6734658
TOF MULT
TOF tray

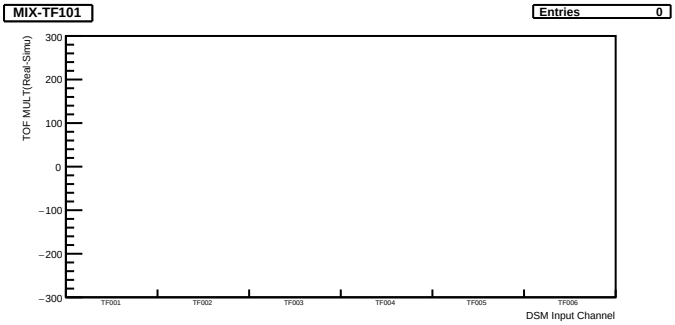

MIX-TF003
Entries 6734658
TOF MULT
TOF tray

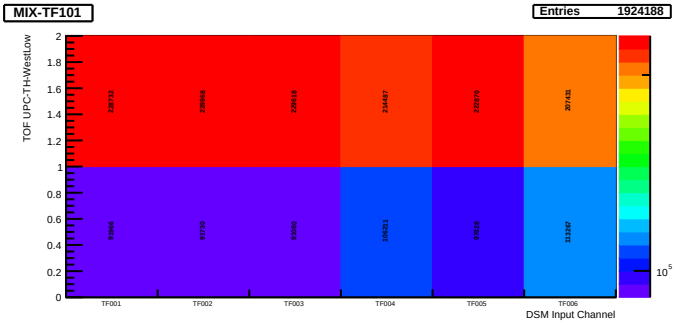

MIX-TF004
Entries 6734658
TOF MULT
TOF tray

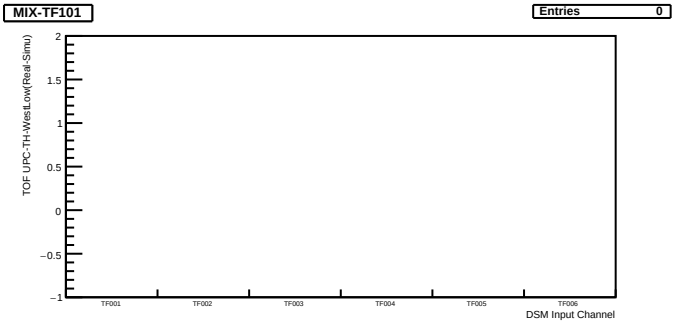

MIX-TF005
Entries 6734658
TOF MULT
TOF tray

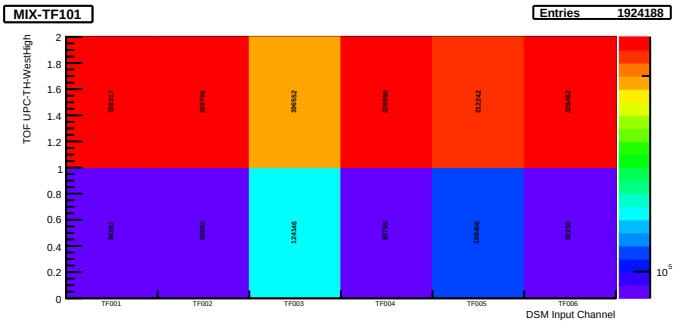

MIX-TF006
Entries 6734658
TOF MULT
TOF tray

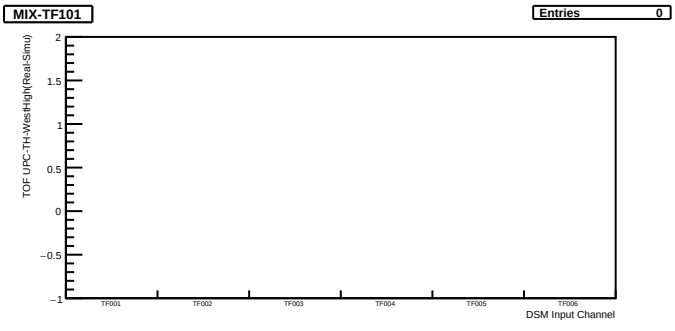

MIX-TF101
Entries 1924188
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

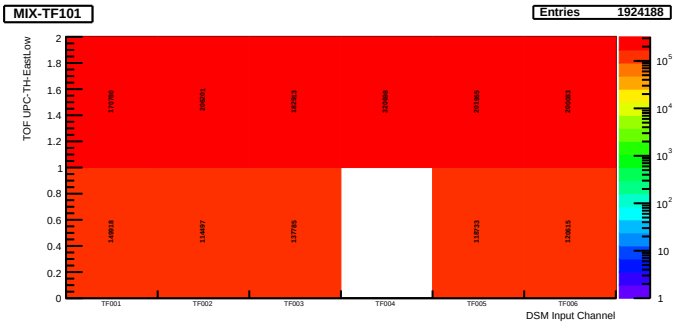

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

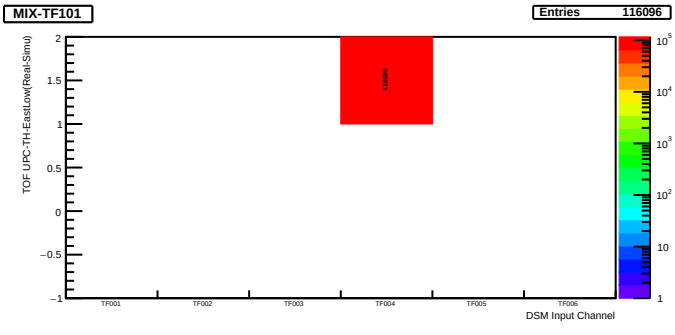

MIX-TF101
Entries 1924188
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

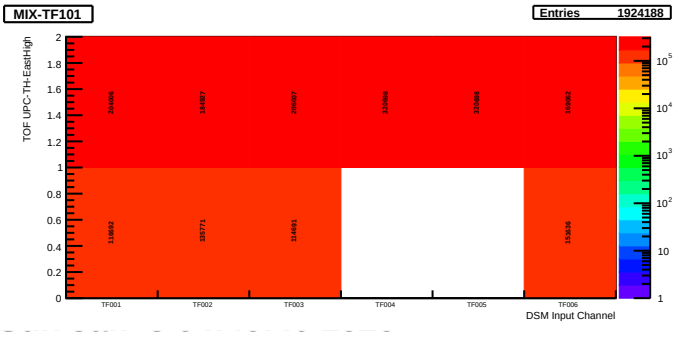

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

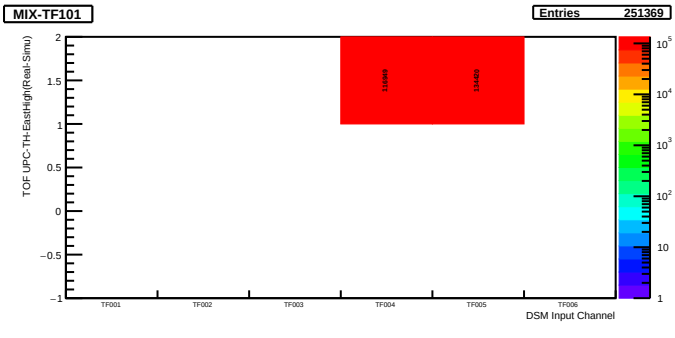

MIX-TF101
Entries 1924188
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

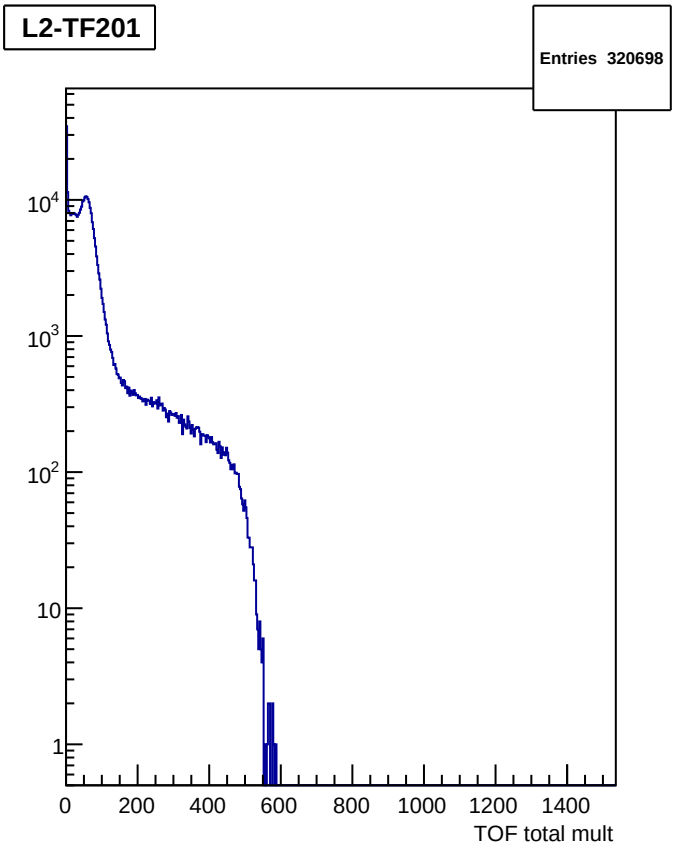

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

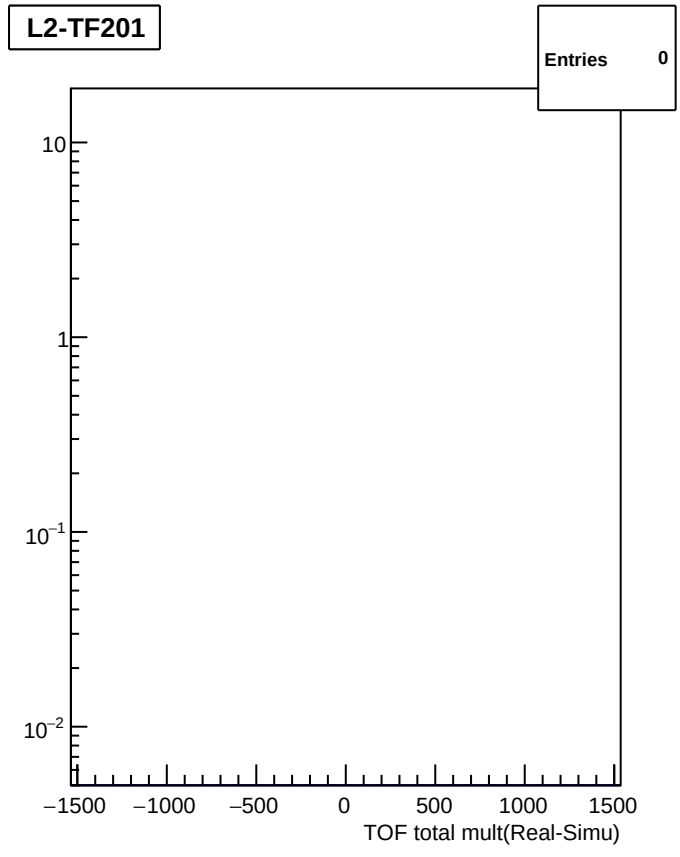

MIX-TF101
Entries 1924188
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

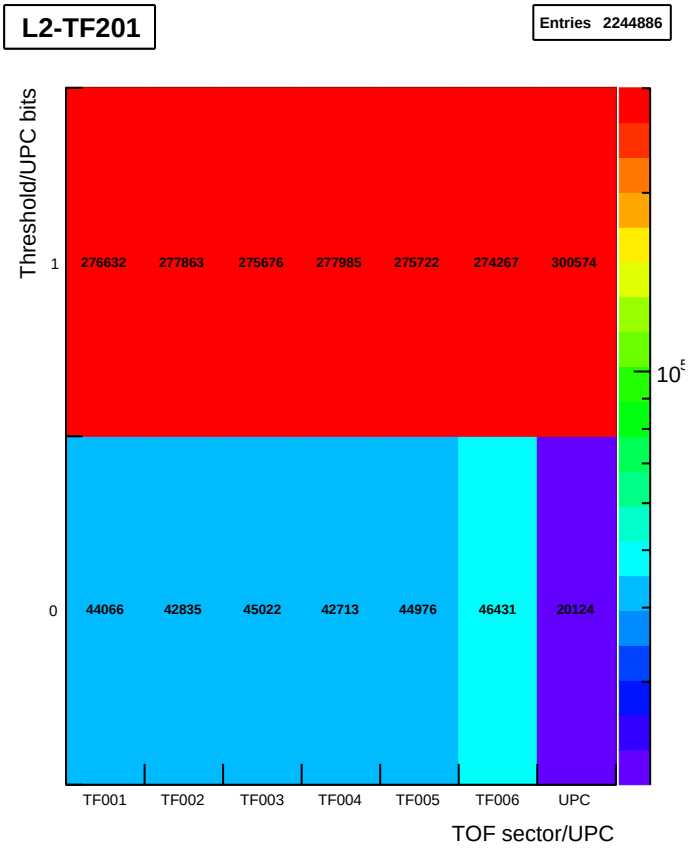

MIX-TF101
Entries 116096
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

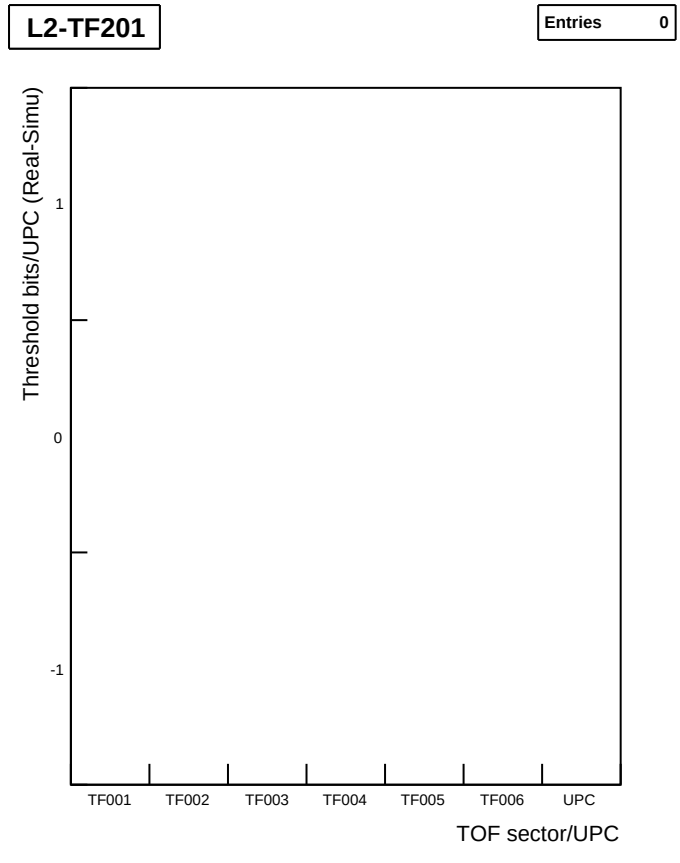

MIX-TF101
Entries 1924188
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

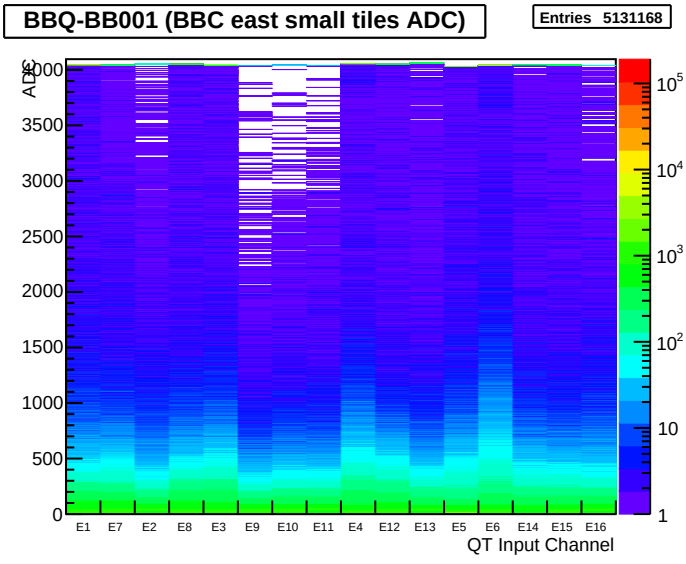

MIX-TF101
Entries 251369
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

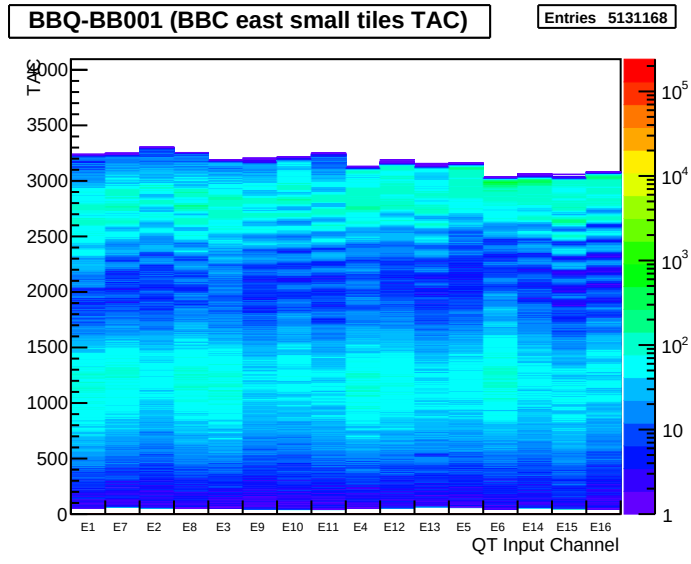

L2-TF201
Entries 320698
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

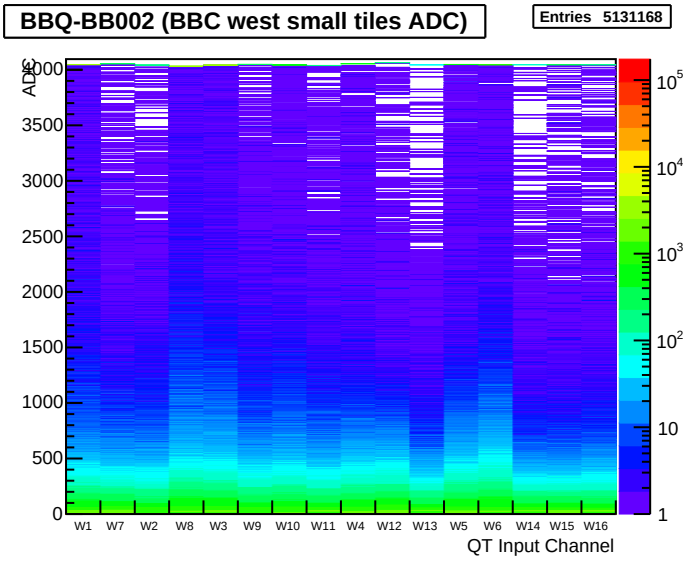

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

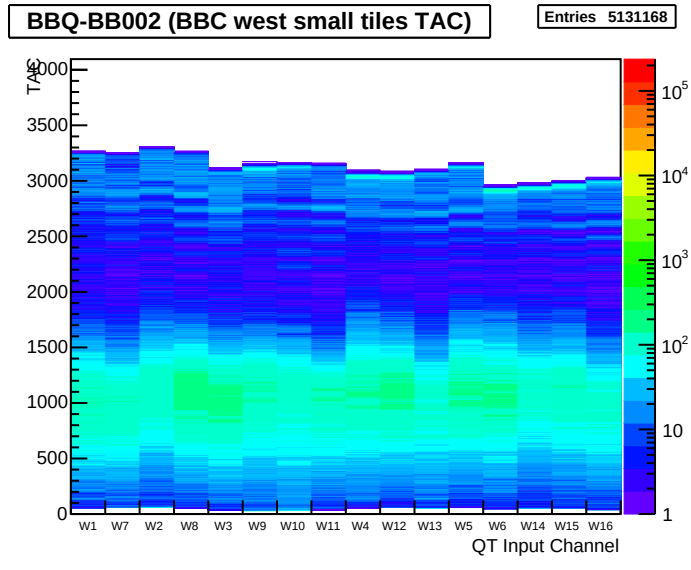

L2-TF201
Entries 2244886
Threshold/UPC bits
1
0
276632
277863
275676
277985
275722
274267
300574
44066
42835
45022
42713
44976
46431
20124
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

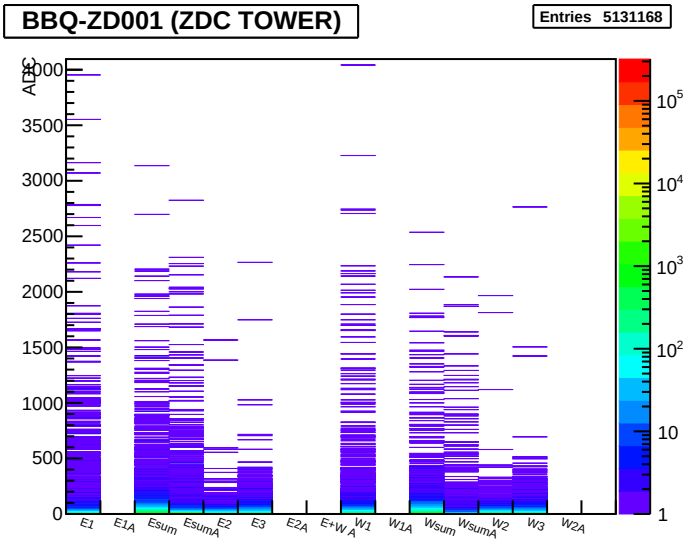

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

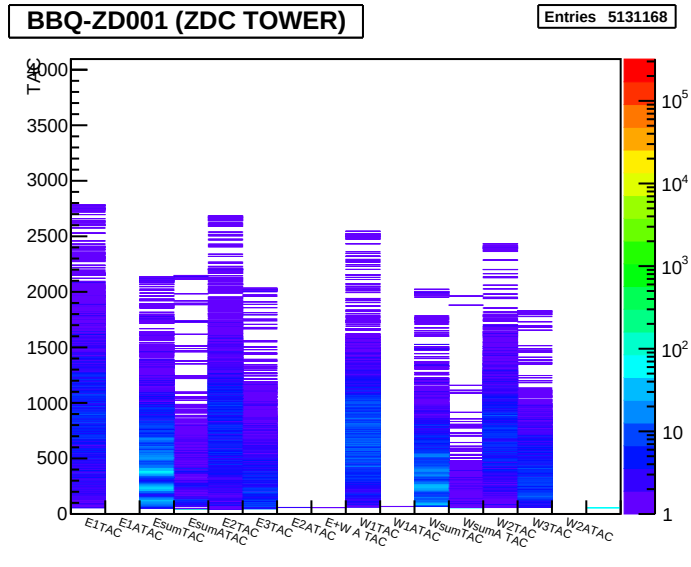

BBQ-BB001 (BBC east small tiles ADC)
Entries 5131168
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

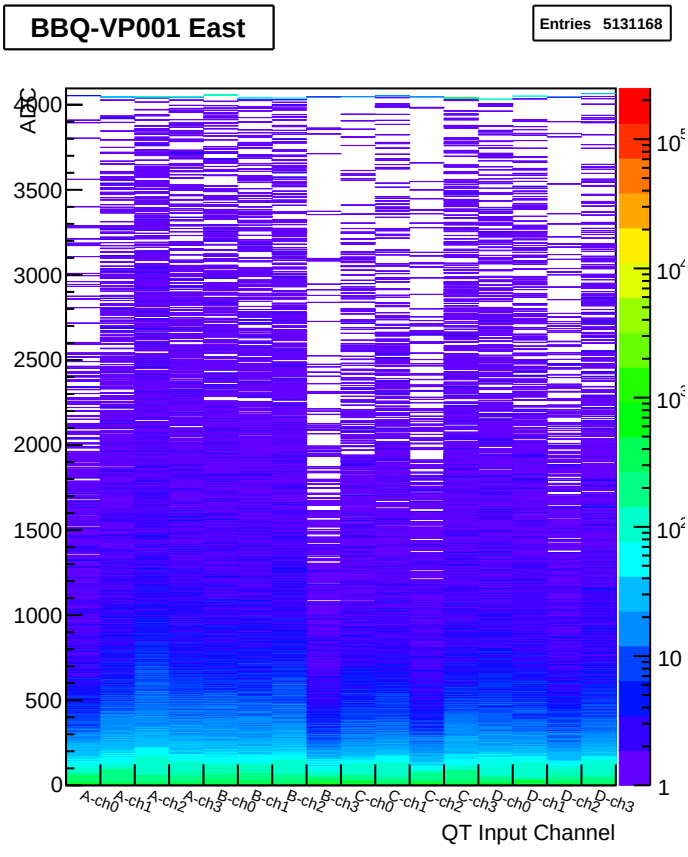

BBQ-BB001 (BBC east small tiles TAC)
Entries 5131168
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

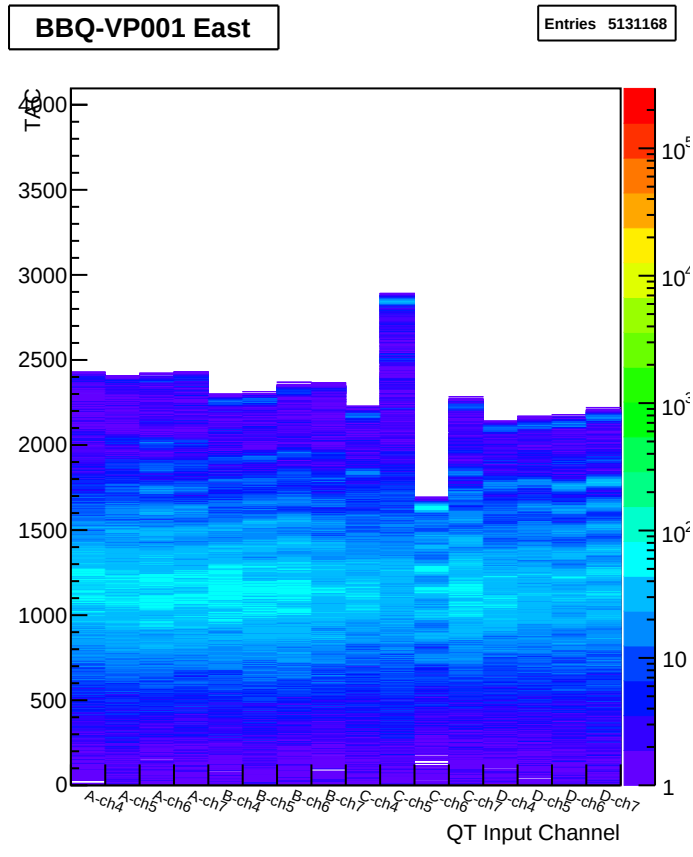

BBQ-BB002 (BBC west small tiles ADC)
Entries 5131168
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

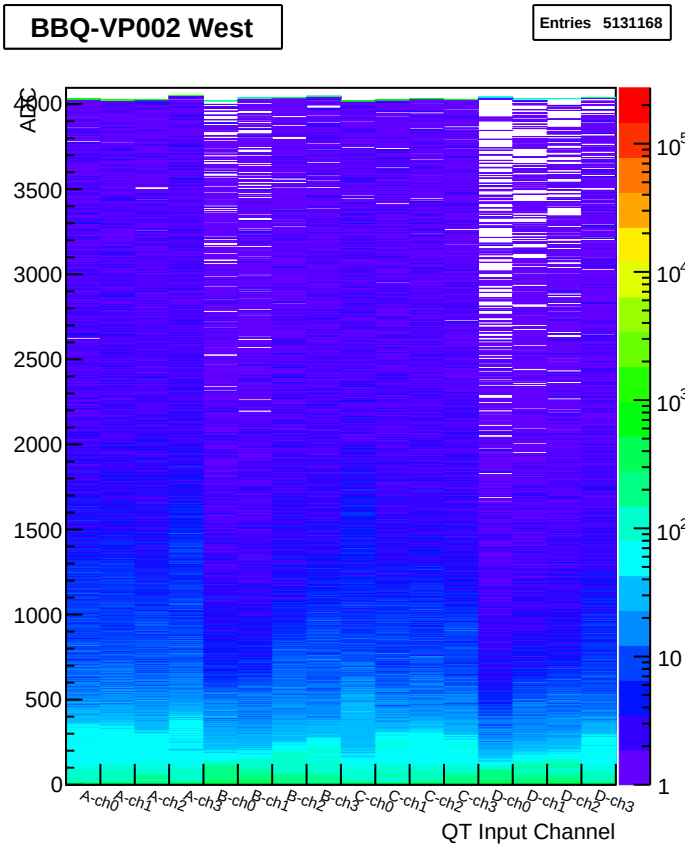

BBQ-BB002 (BBC west small tiles TAC)
Entries 5131168
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

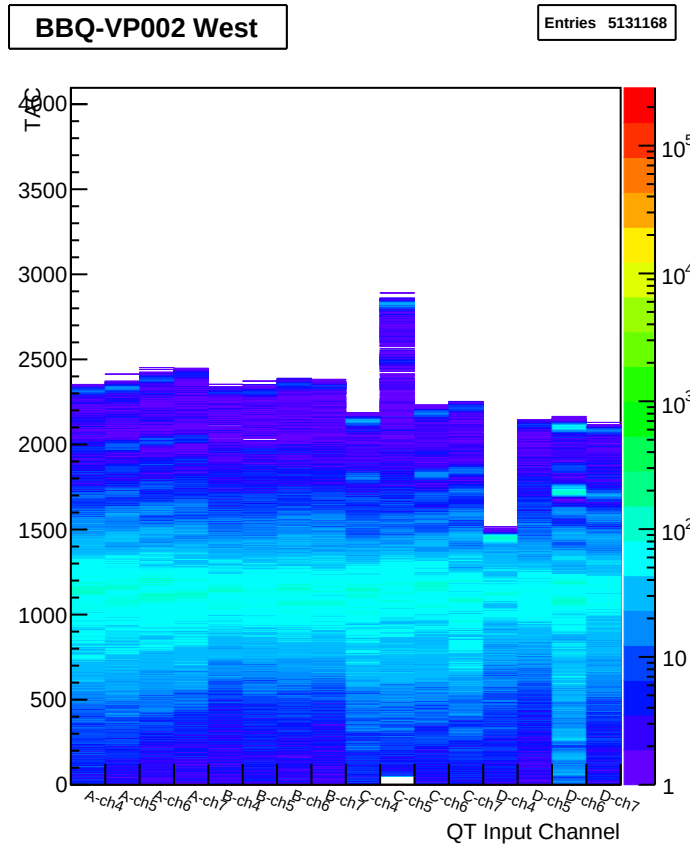

BBQ-ZD001 (ZDC TOWER)
Entries 5131168
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

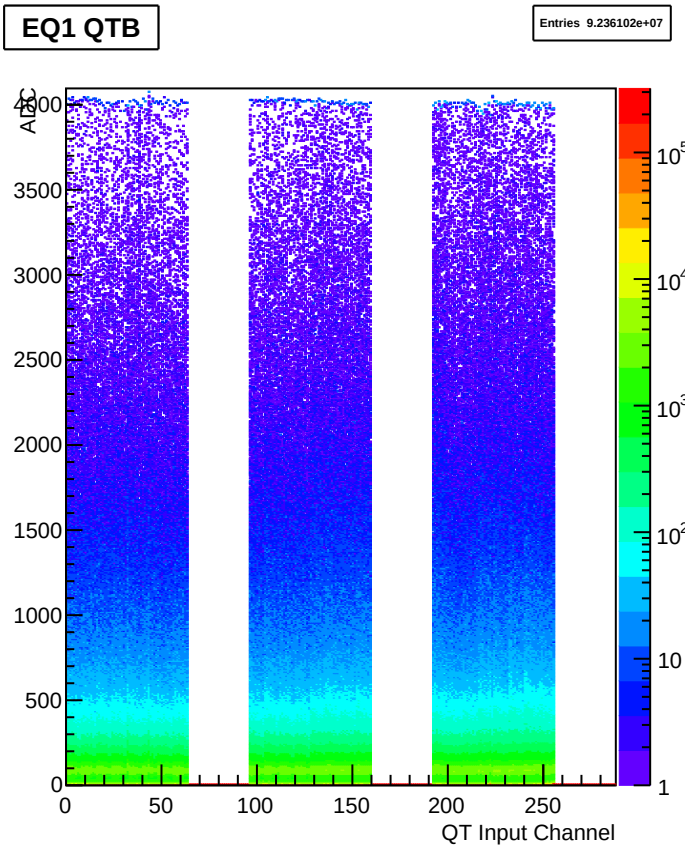

BBQ-ZD001 (ZDC TOWER)
Entries 5131168
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

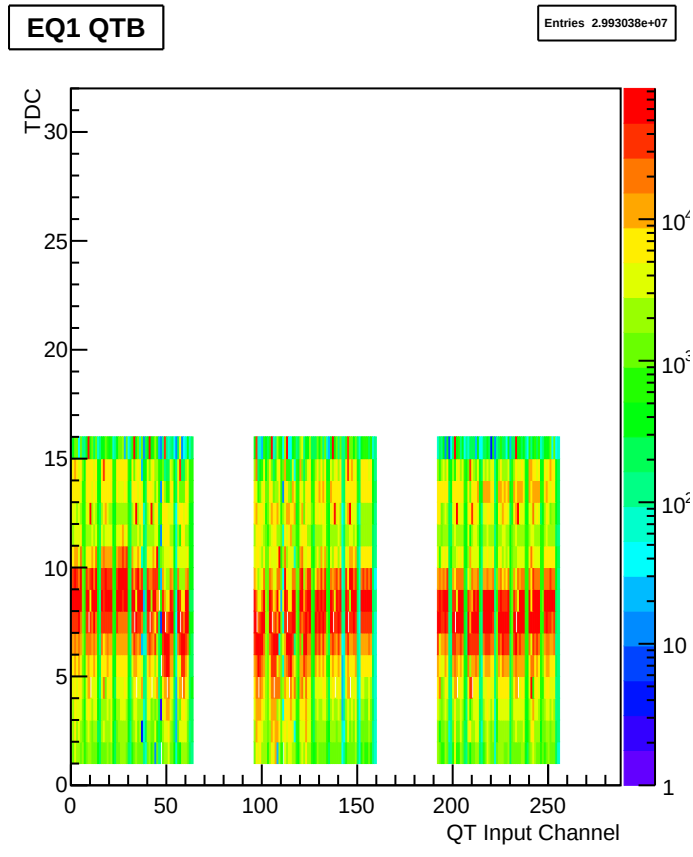

BBQ-VP001 East
Entries 5131168
ADC
QT Input Channel

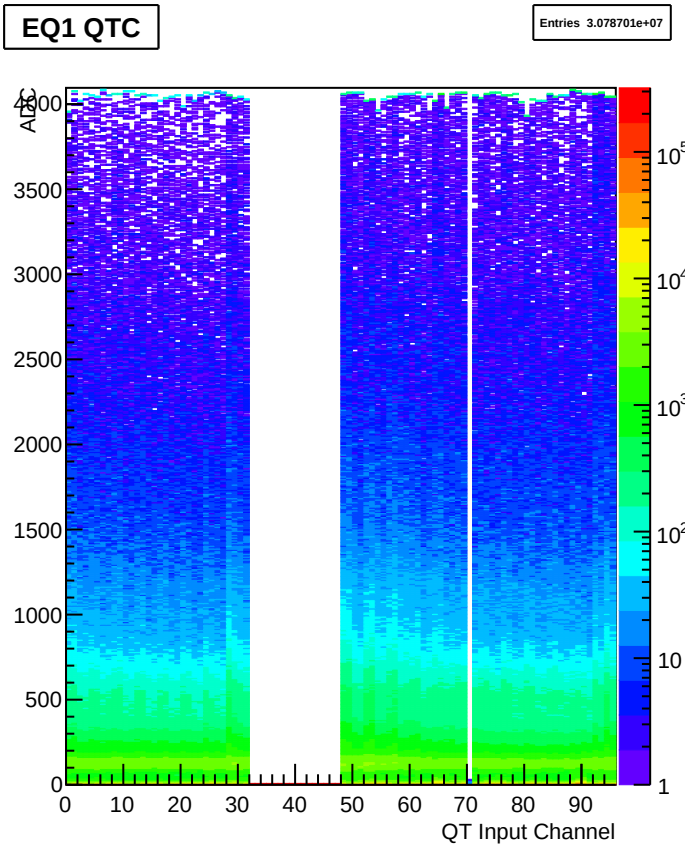

BBQ-VP001 East
Entries 5131168
TADC
QT Input Channel

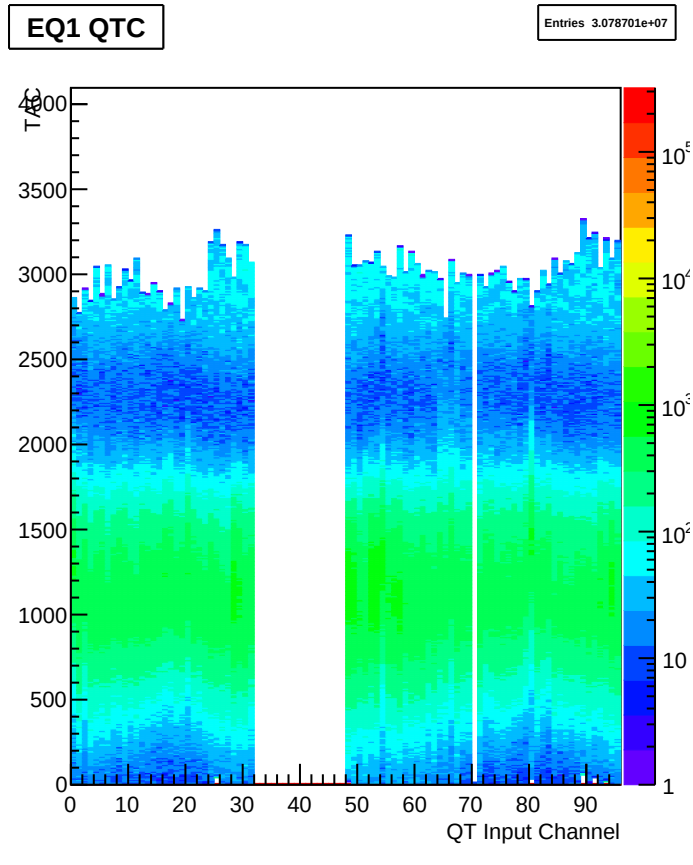

BBQ-VP002 West
Entries 5131168
ADC
QT Input Channel

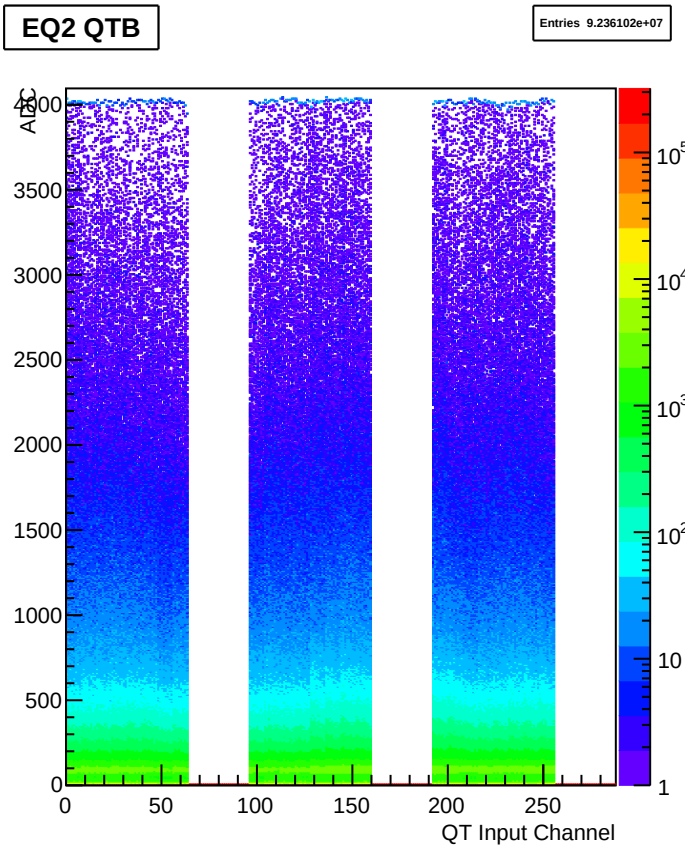

BBQ-VP002 West
Entries 5131168
TADC
QT Input Channel

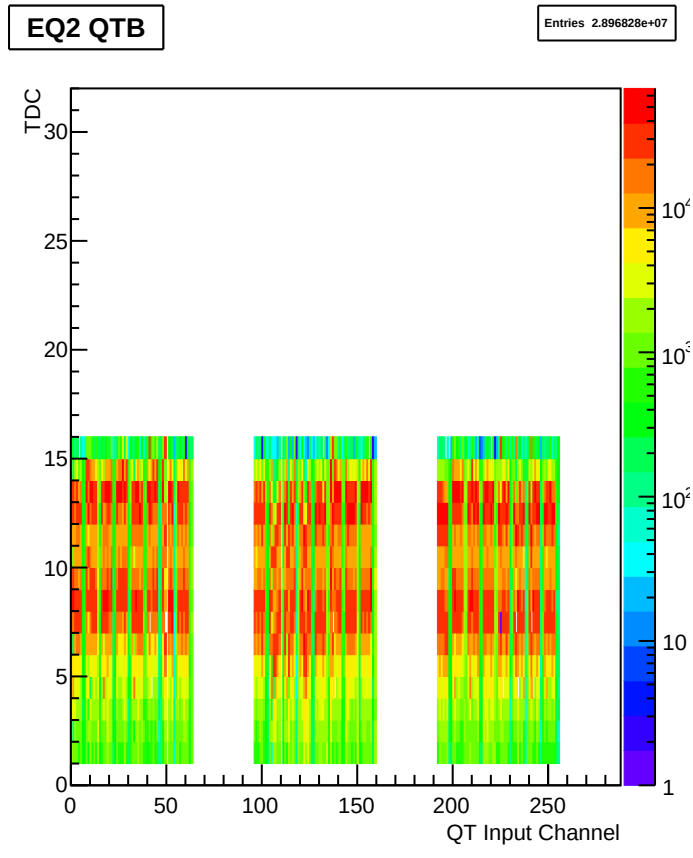

EQ1 QTB
Entries 9.236102e+07
ADC
QT Input Channel

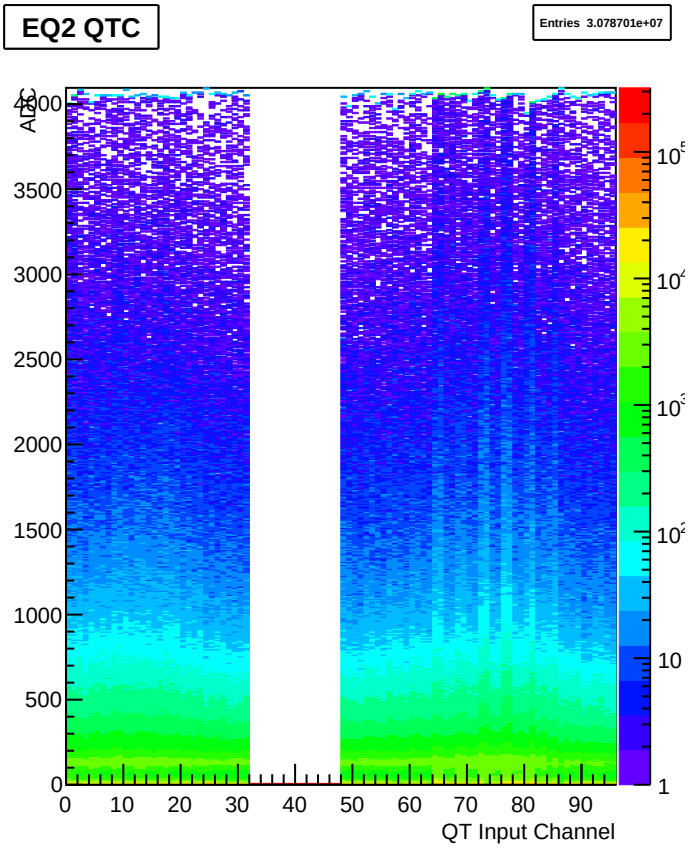

EQ1 QTB
Entries 2.993038e+07
TDC
QT Input Channel

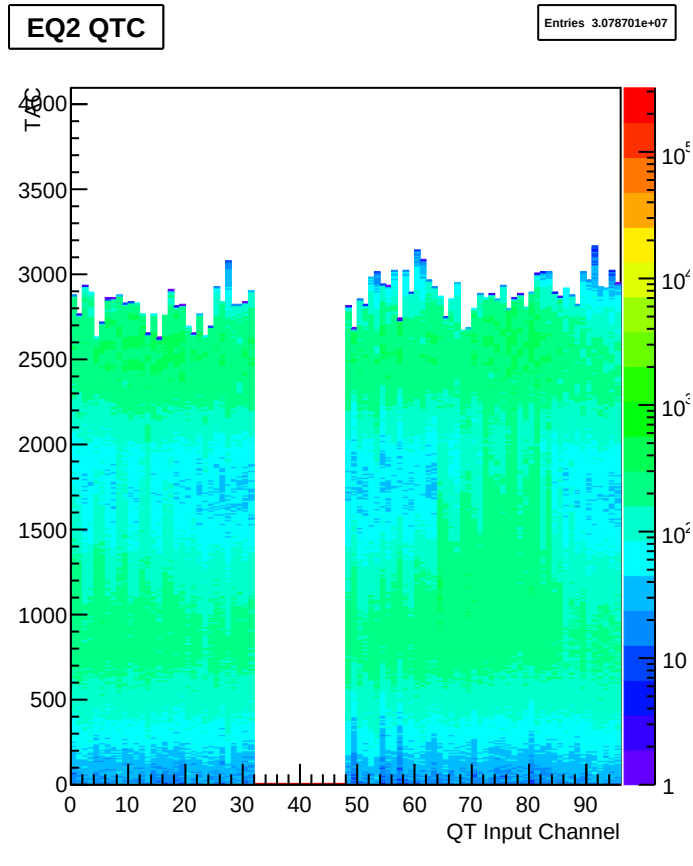

EQ1 QTC
Entries 3.078701e+07
ADC
QT Input Channel

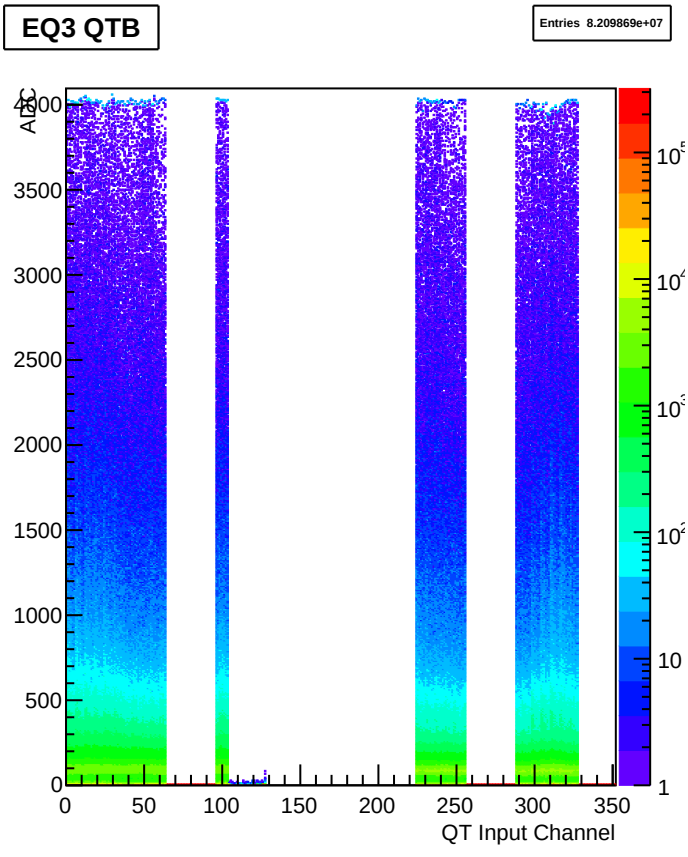

EQ1 QTC
Entries 3.078701e+07
TADC
QT Input Channel

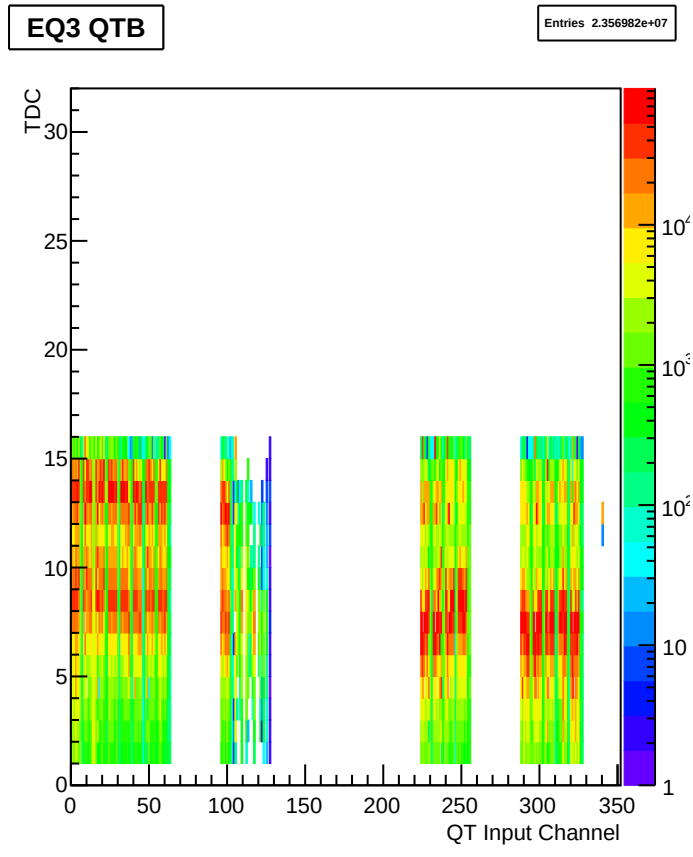

EQ2 QTB
Entries 9.236102e+07
ADC
QT Input Channel

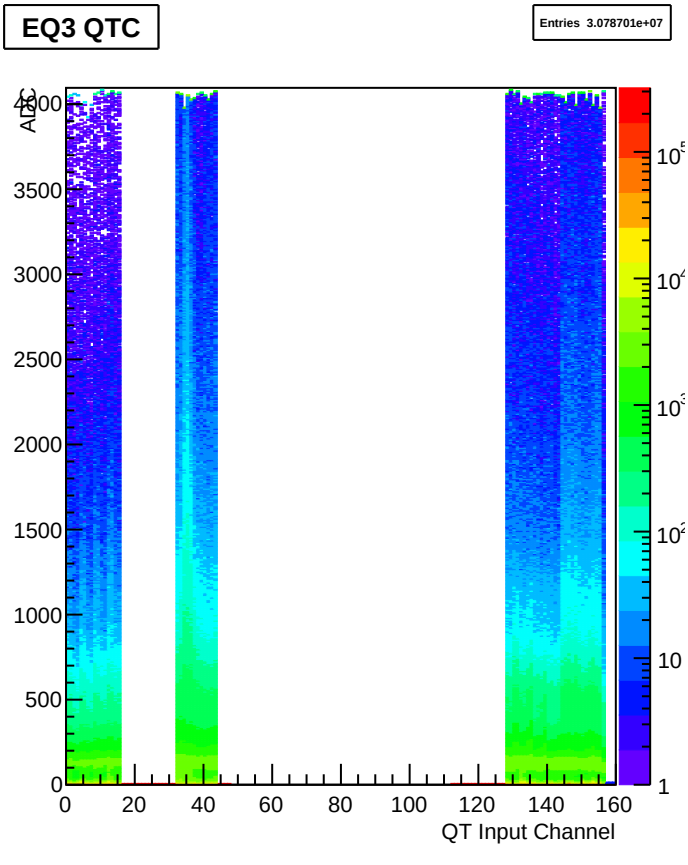

EQ2 QTB
Entries 2.896828e+07
TDC
QT Input Channel

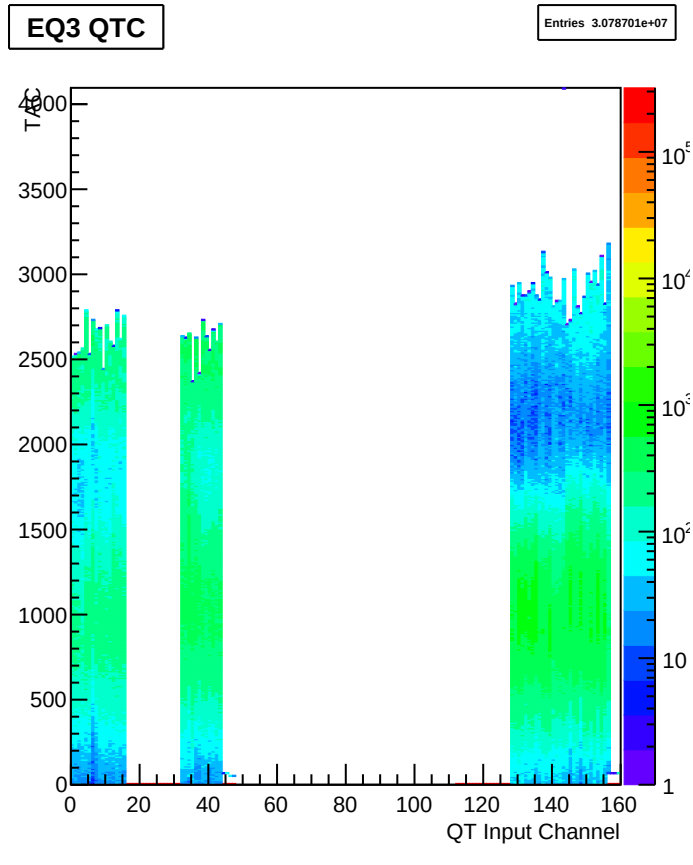

EQ2 QTC
Entries 3.078701e+07
ADC
QT Input Channel

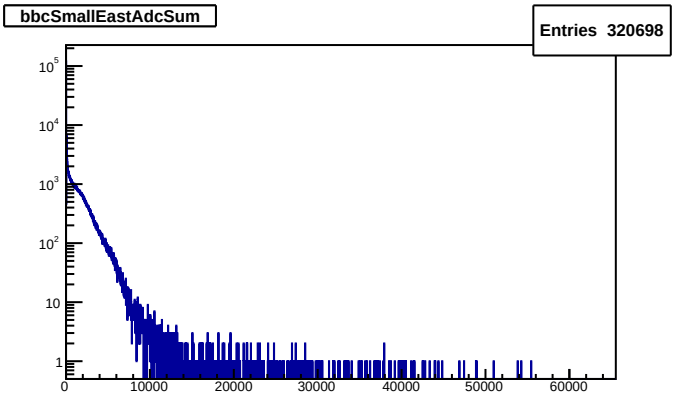

EQ2 QTC
Entries 3.078701e+07
TADC
QT Input Channel

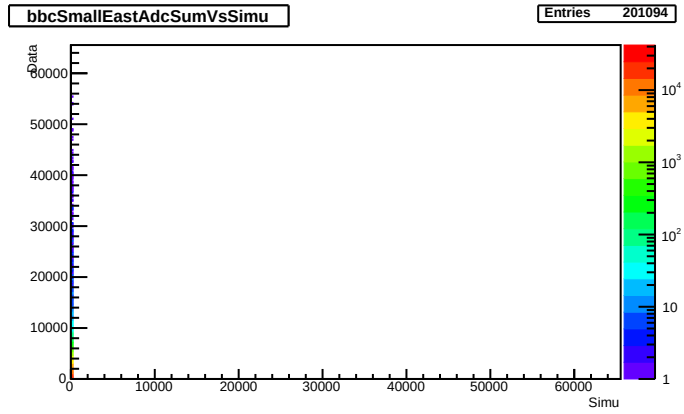

EQ3 QTB
Entries 8.209869e+07
ADC
QT Input Channel

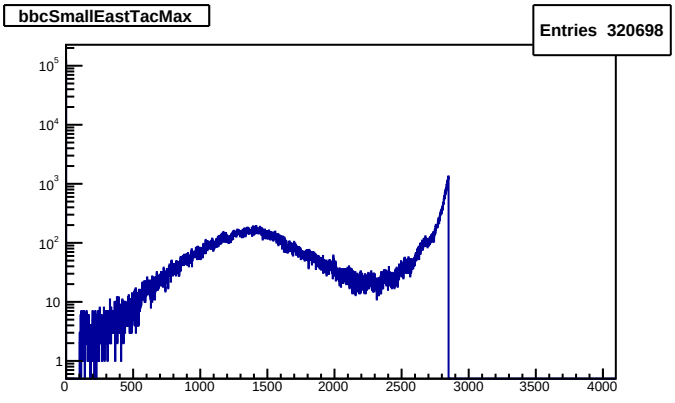

EQ3 QTB
Entries 2.356982e+07
TDC
QT Input Channel

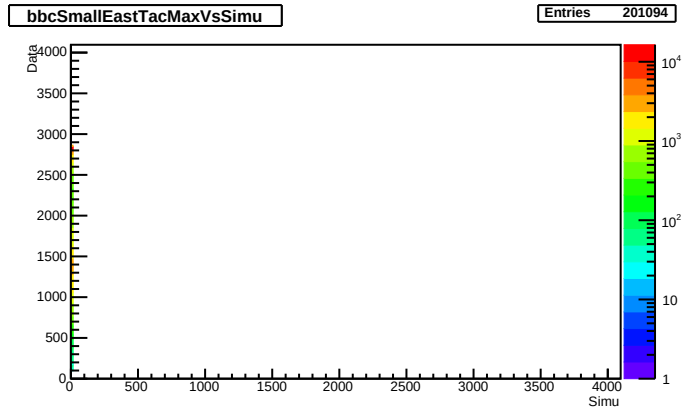

EQ3 QTC
Entries 3.078701e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.078701e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 320698


bbcSmallEastAdcSumVsSimu
Entries 201094
Data
Simu


bbcSmallEastTacMax
Entries 320698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Entries 201094
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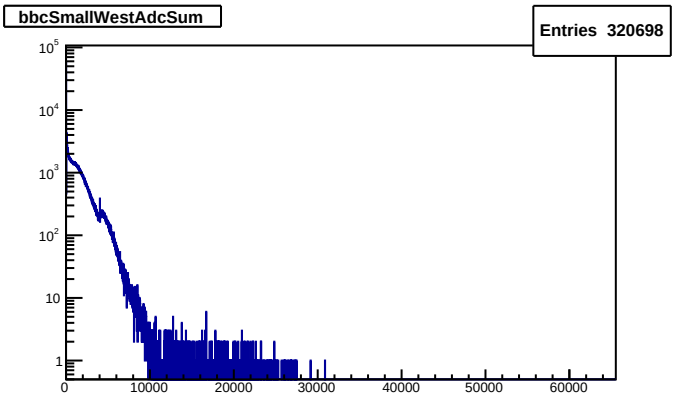
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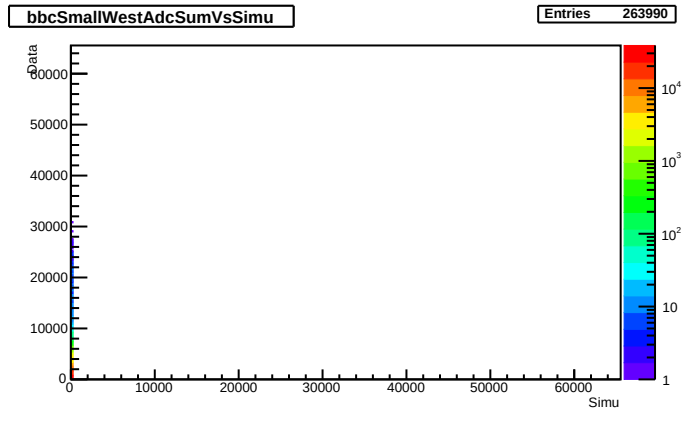
Entries 320698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Entries 263990
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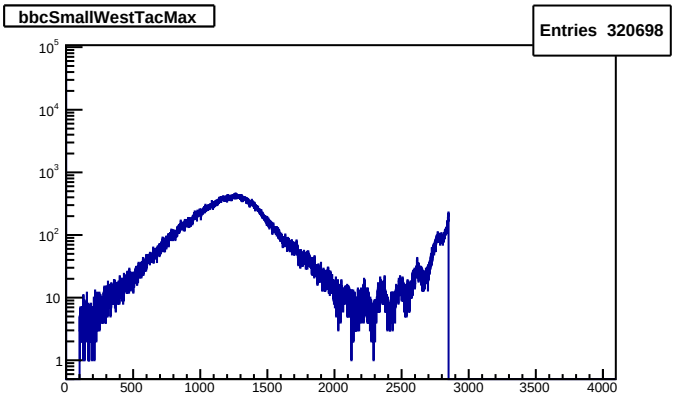
Simu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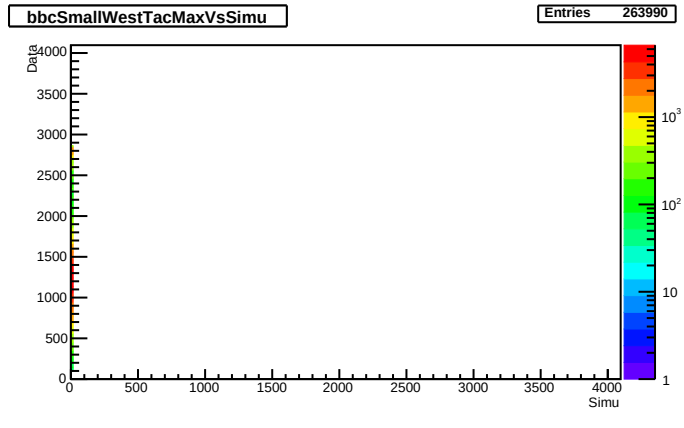
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Entries 263990
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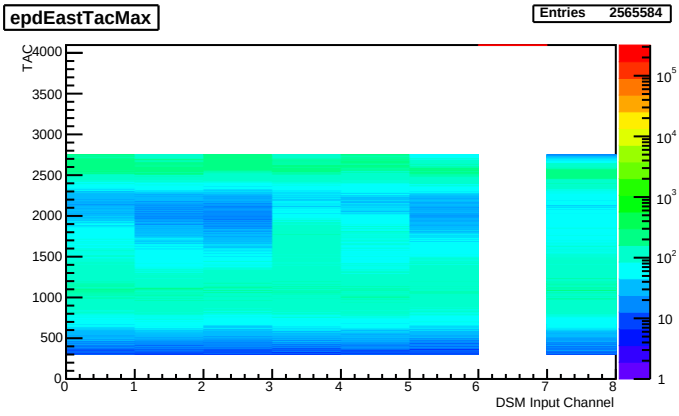
Simu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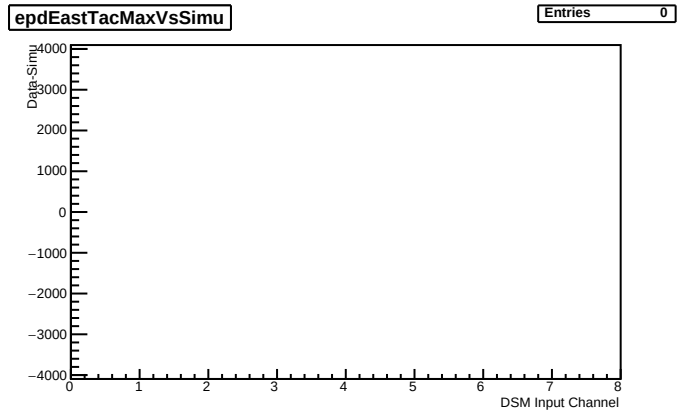
Entries 2565584
TAC
DSM Input Channel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Data-Simu
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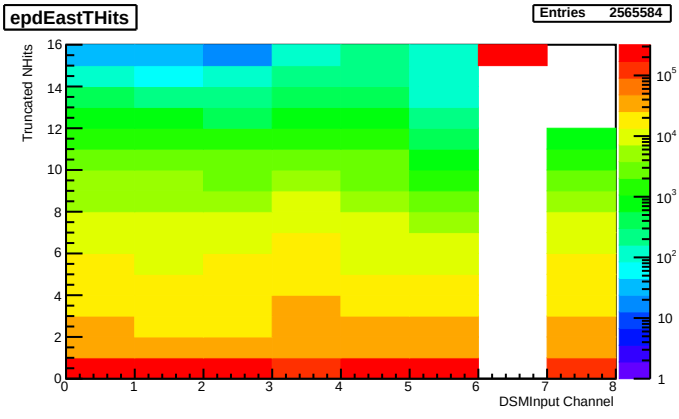
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Entries 2565584
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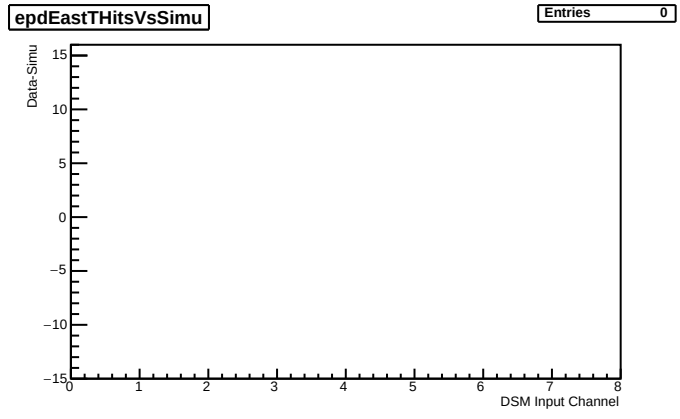
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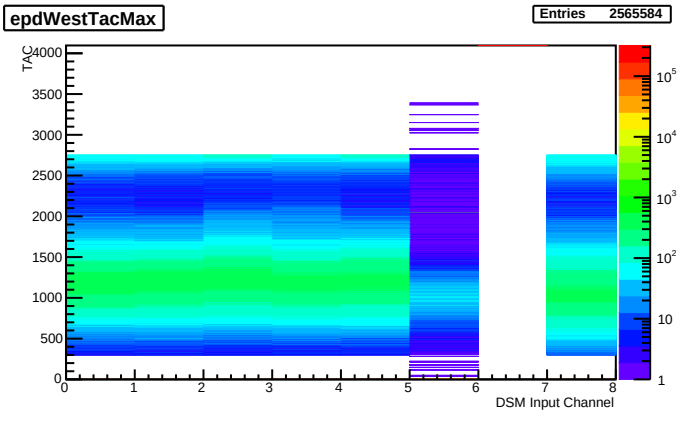
DSM Input Channel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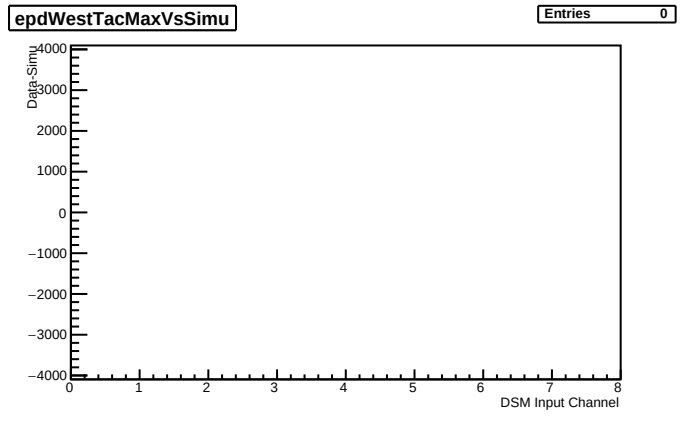
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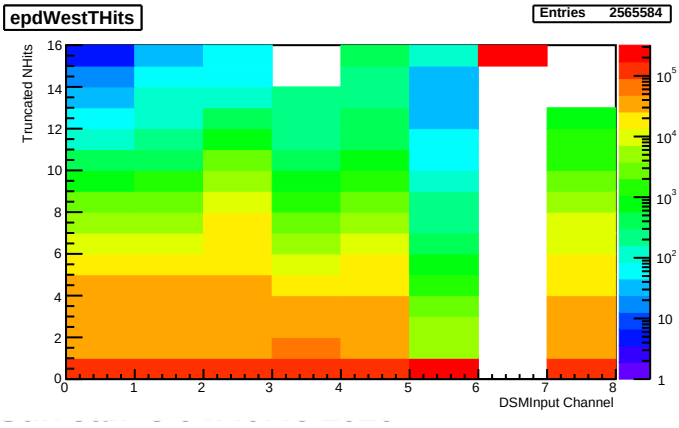
DSM Input Channel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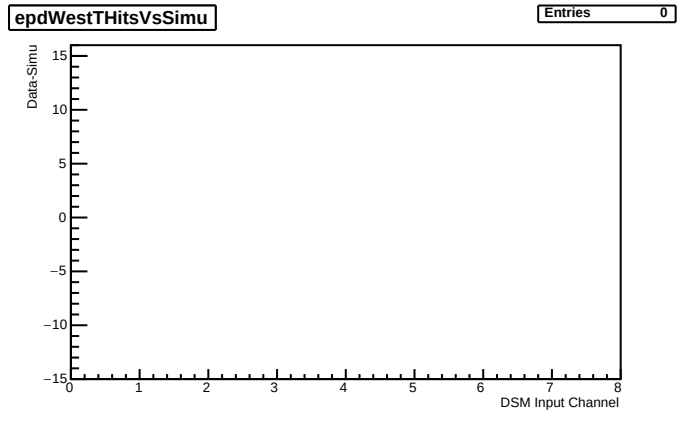
Entries 2565584
Truncated NHits
DSMInput Channel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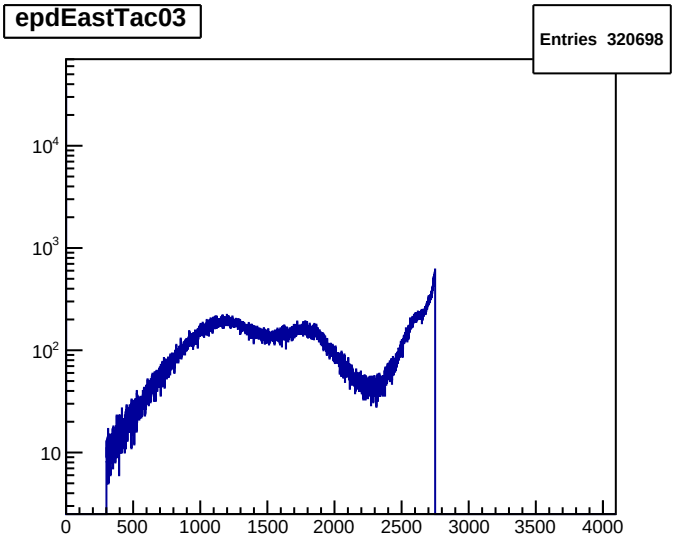
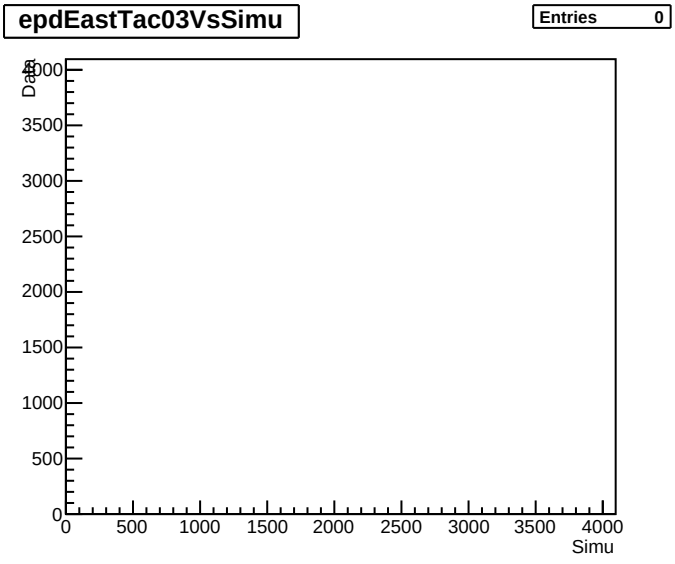
DSM Input Channel


epdEastTac03
Entries 320698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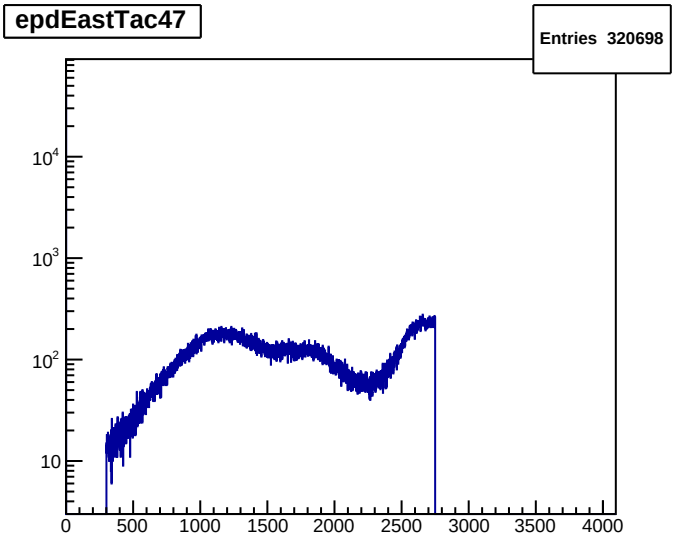
Data
Simu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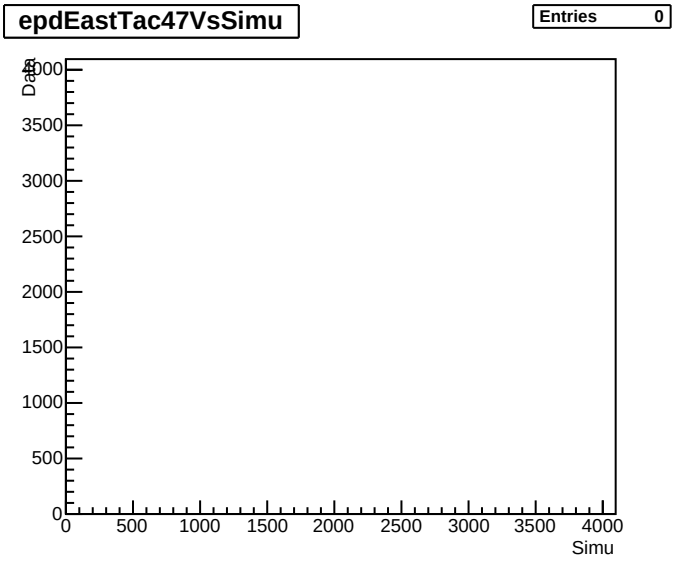
Entries 320698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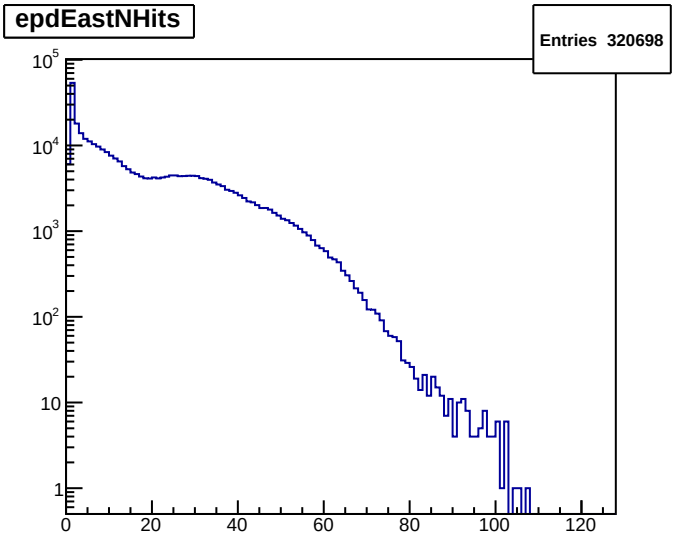
Entries 0
Data
Simu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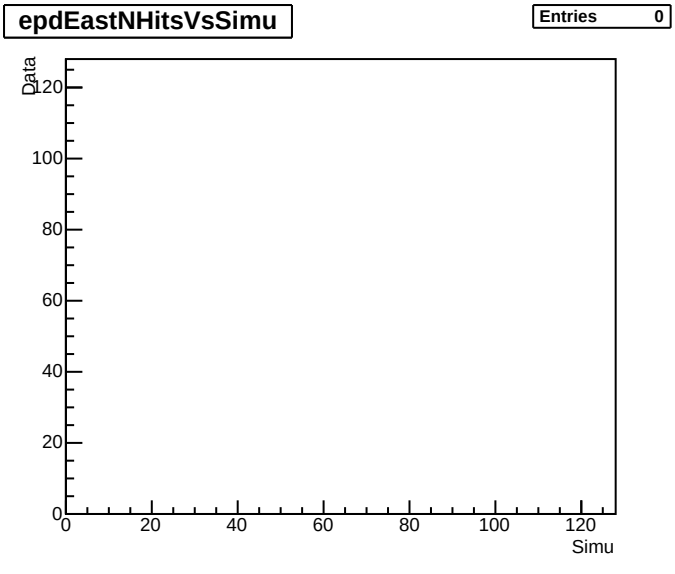
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Data
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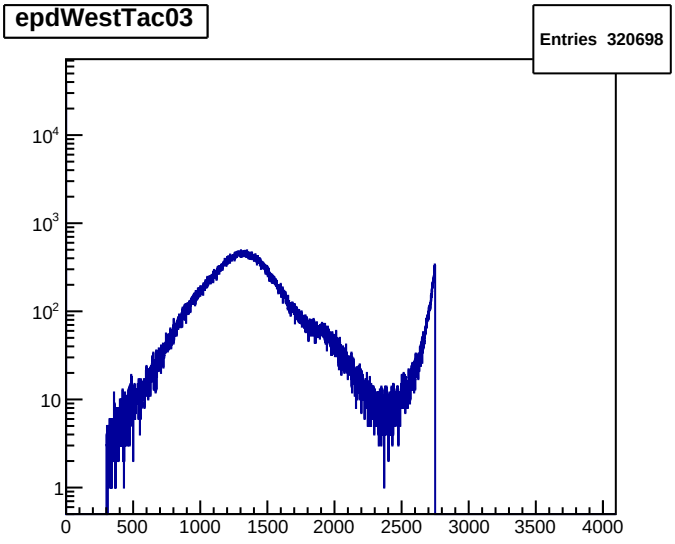
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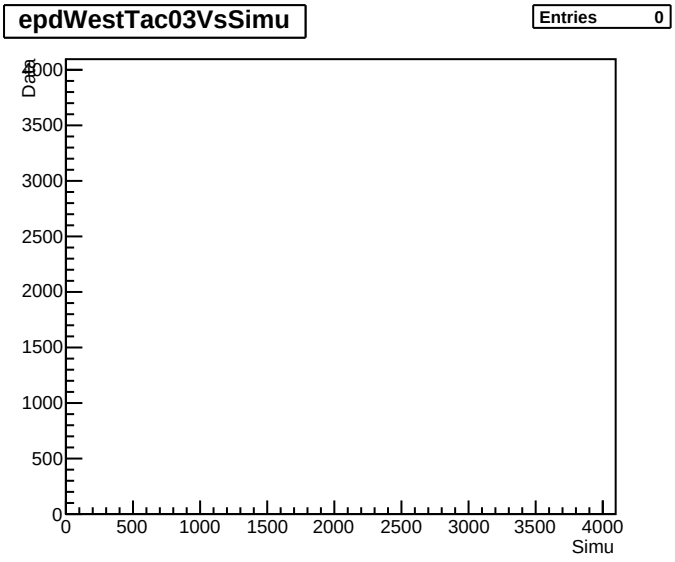
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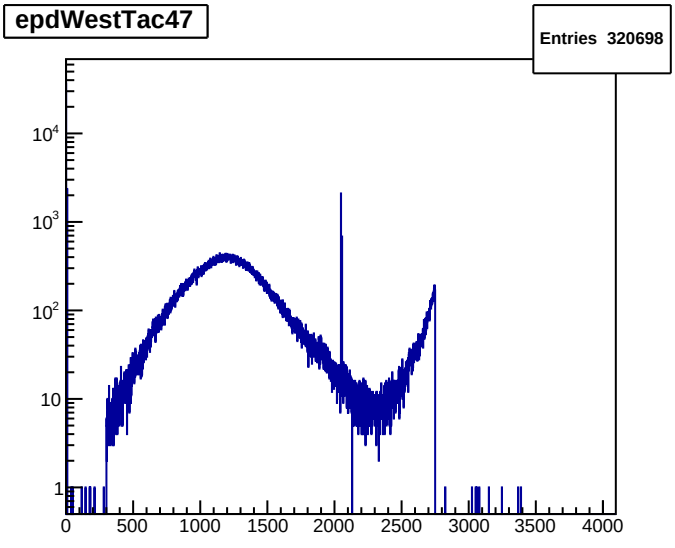
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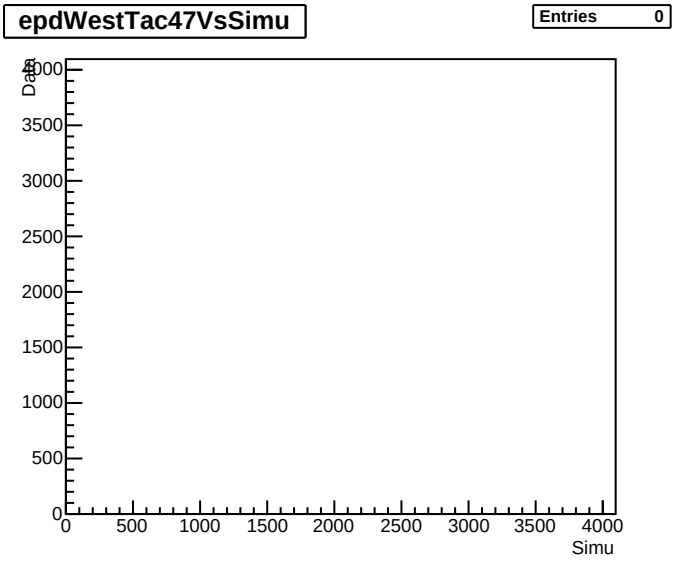
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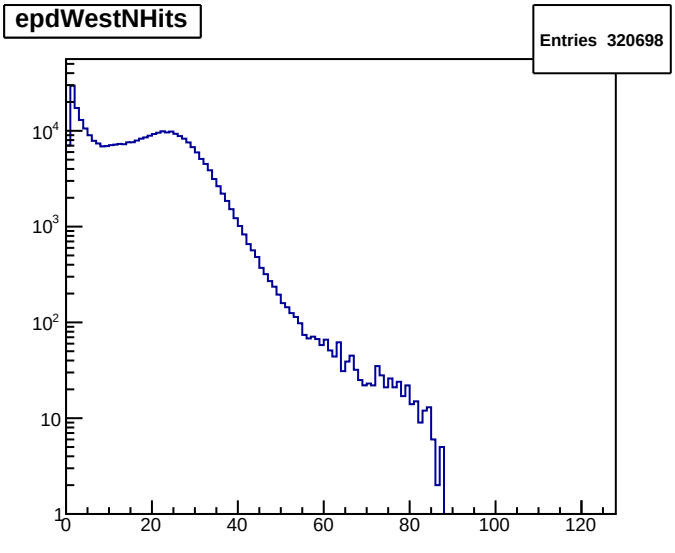
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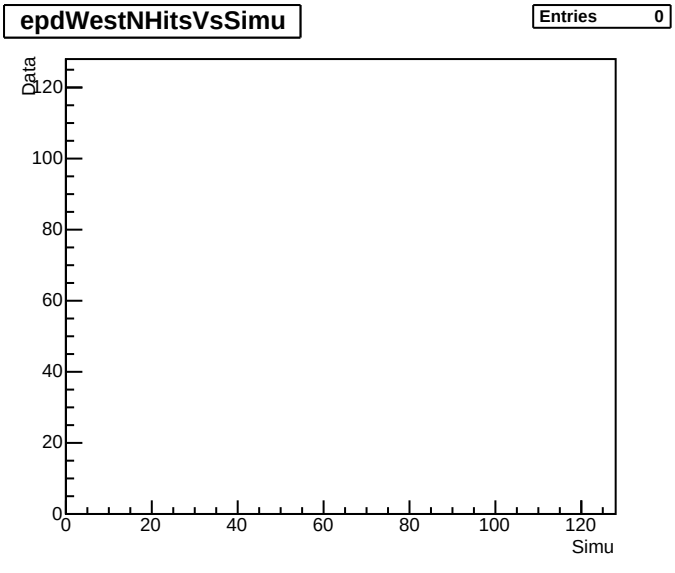
Entries 320698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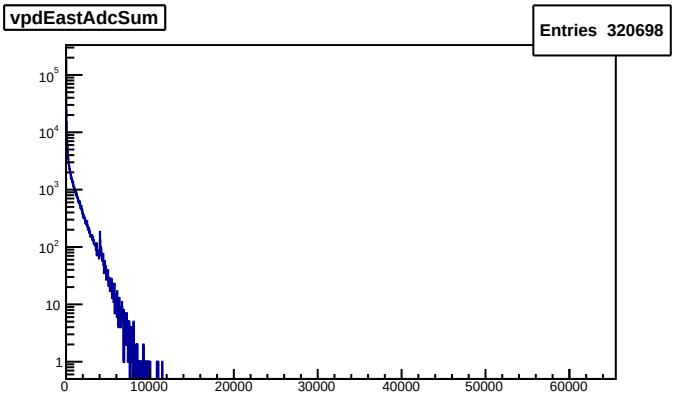
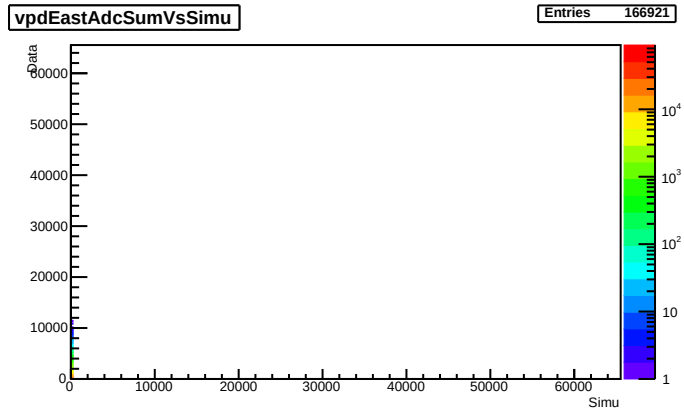
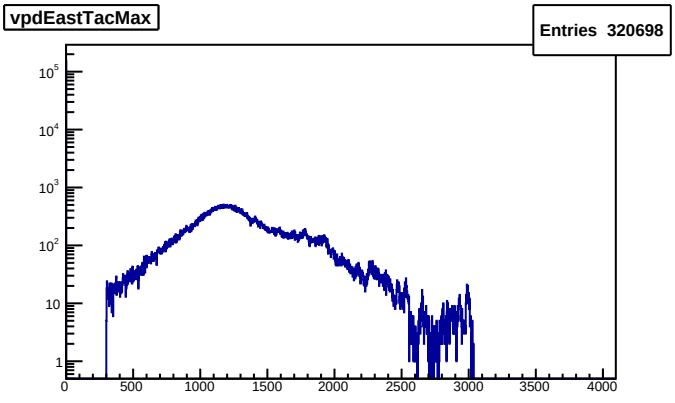
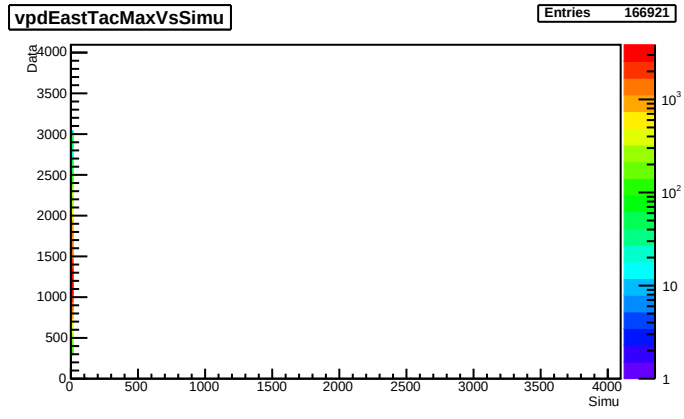
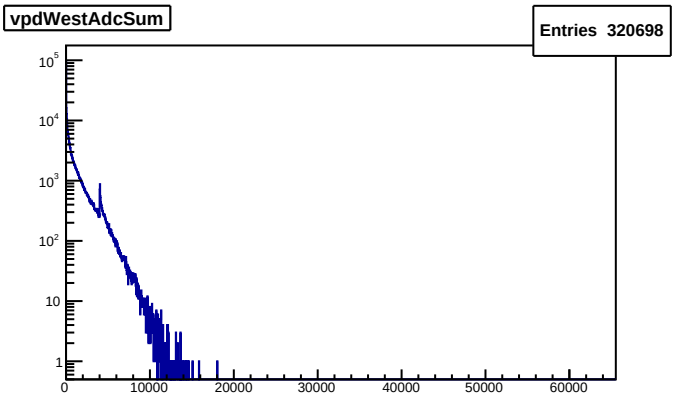
Entries 0
Data
Simu

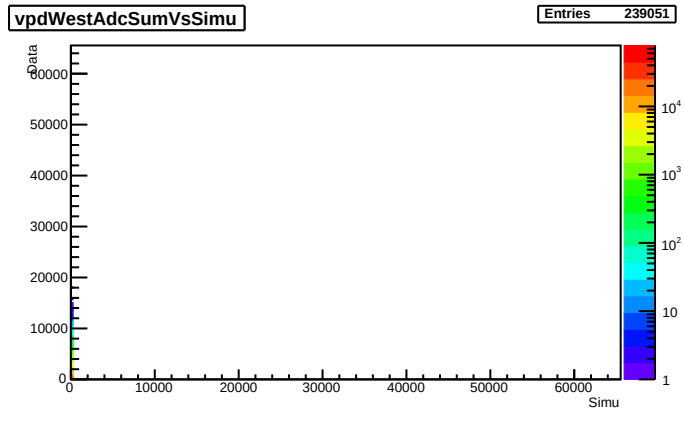

vpdEastAdcSum
Entries 320698


vpdEastAdcSumVsSimu
Entries 166921
Data
Simu


vpdEastTacMax
Entries 320698


vpdEastTacMaxVsSimu
Entries 166921
Data
Simu


vpdWestAdcSum
Entries 320698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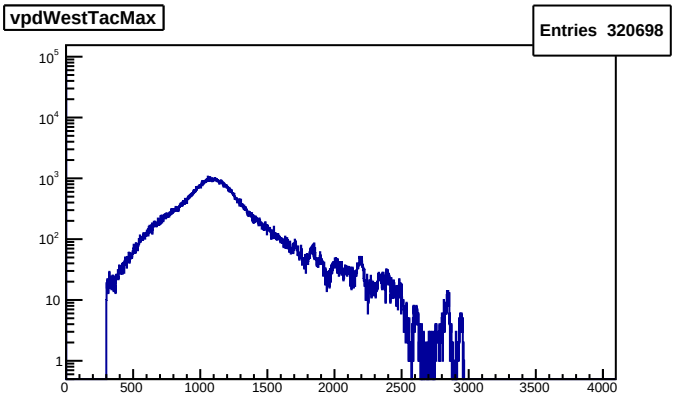
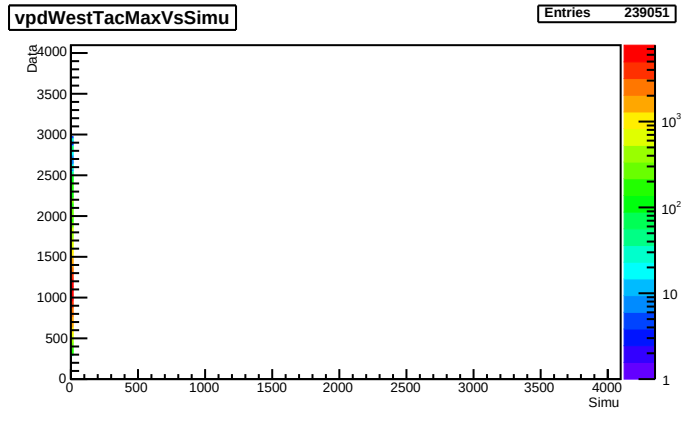
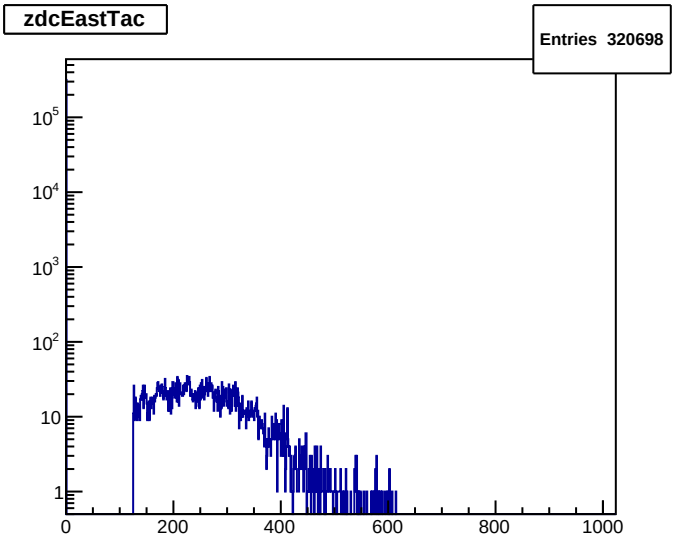
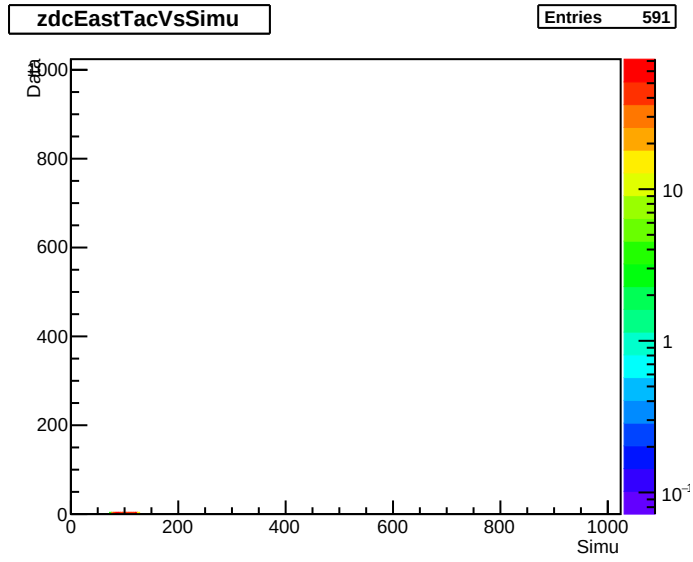
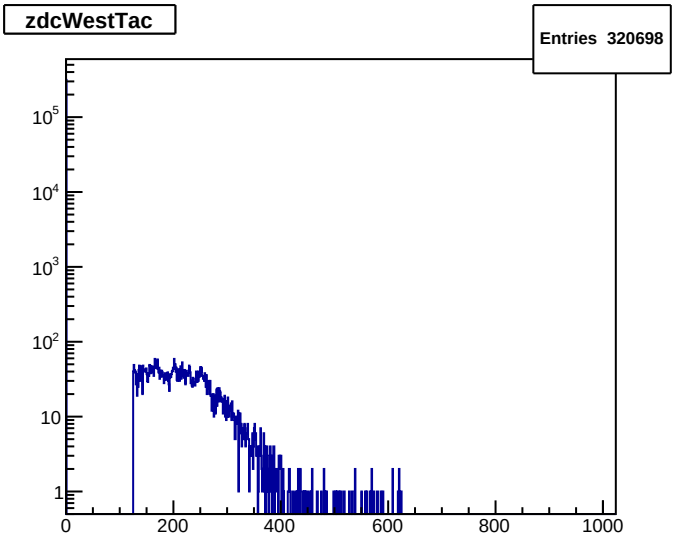
Entries 239051
Data
Simu

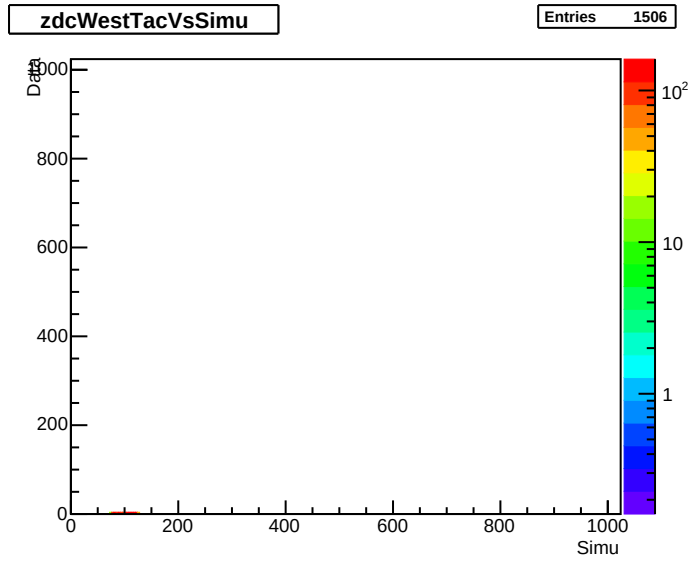

vpdWestTacMax
Entries 320698

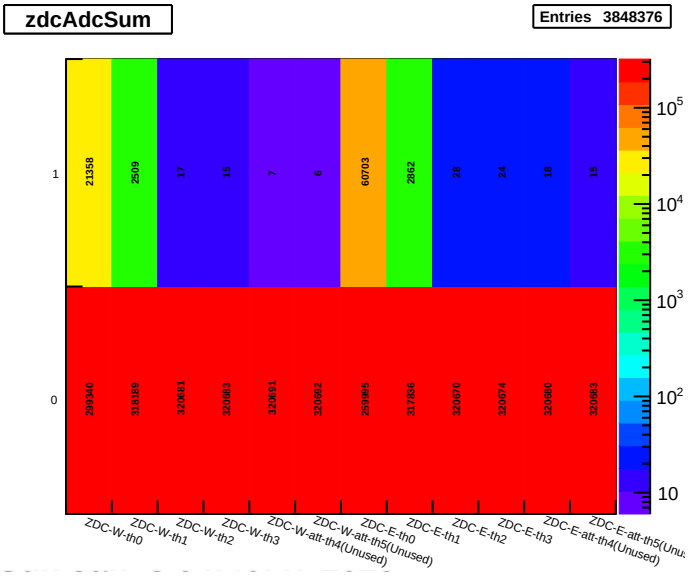

vpdWestTacMaxVsSimu
Entries 239051
Data
Simu

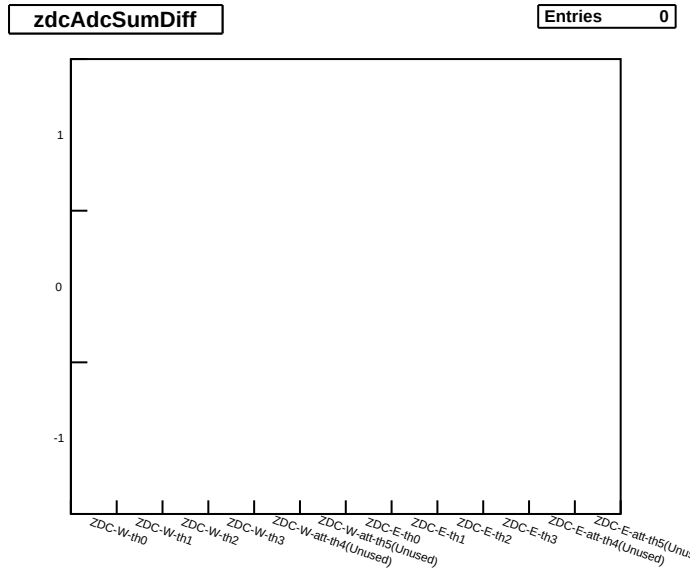

zdcEastTac
Entries 320698


zdcEastTacVsSimu
Entries 591
Data
Simu


zdcWestTac
Entries 320698


zdcWestTacVsSimu
Entries 1506
Data
Simu


zdcAdcSum
Entries 3848376
21358
2509
17
15
7
6
60703
2862
28
24
18
15
299340
318189
320681
320683
320691
320692
259995
317836
320670
320674
320680
320683
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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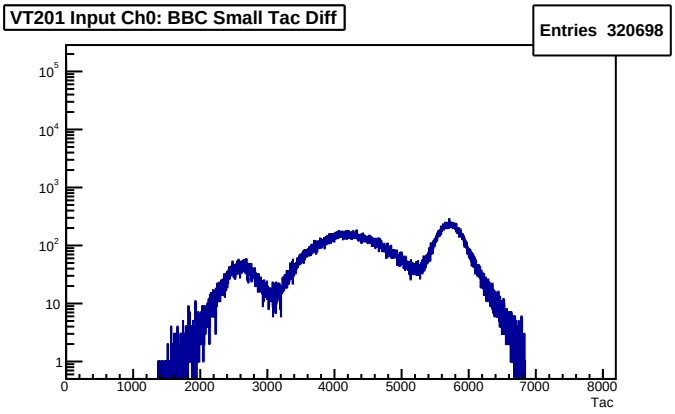
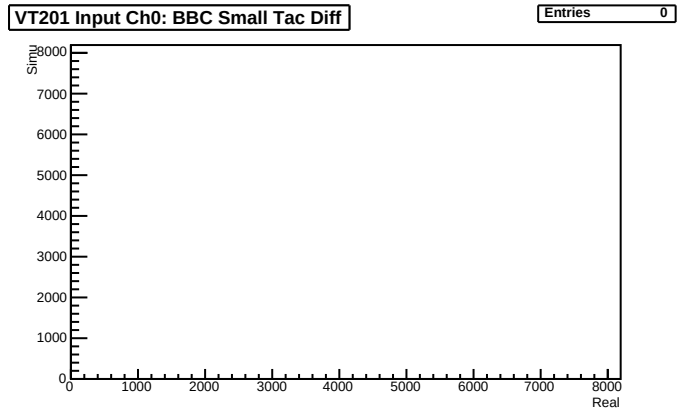
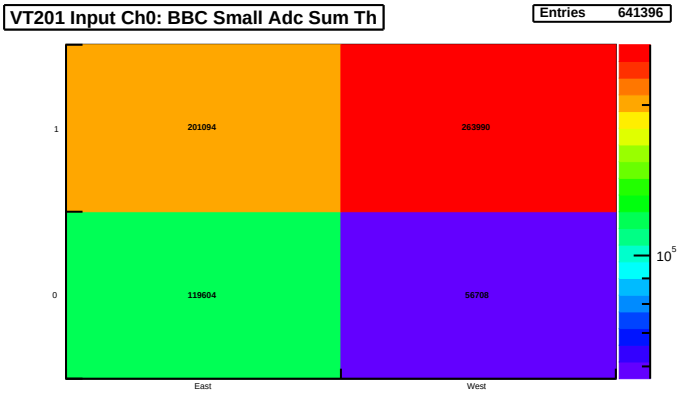
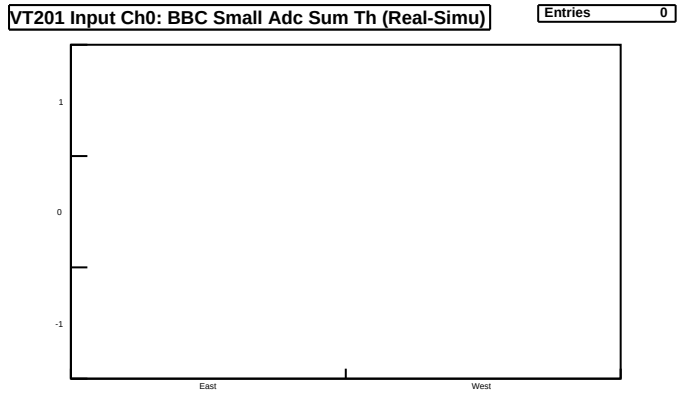
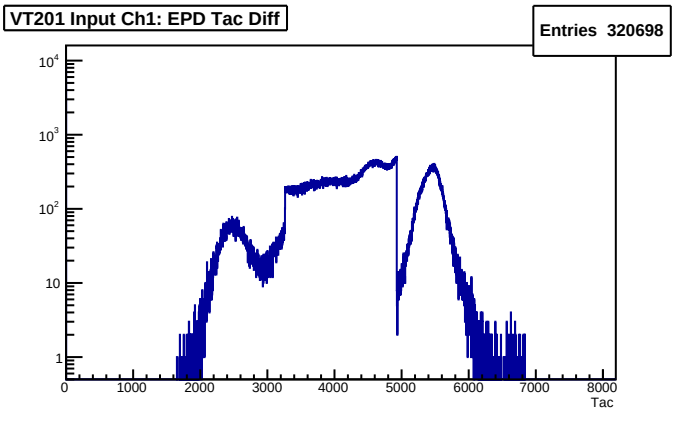
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

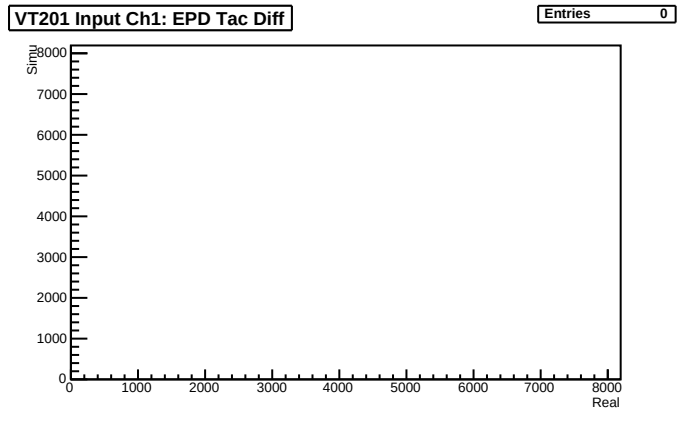

VT201 Input Ch0: BBC Small Tac Diff
Entries 320698
Tac

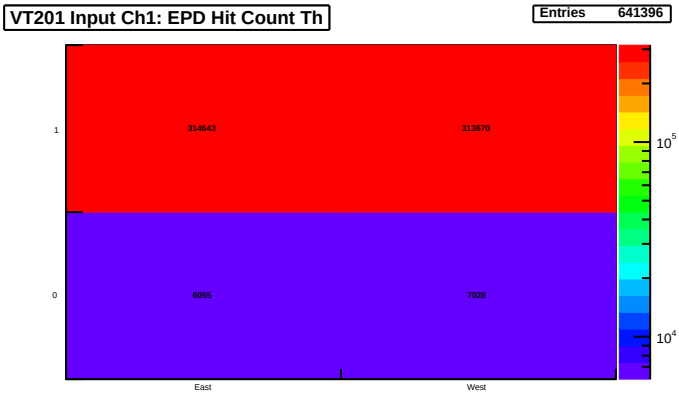

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

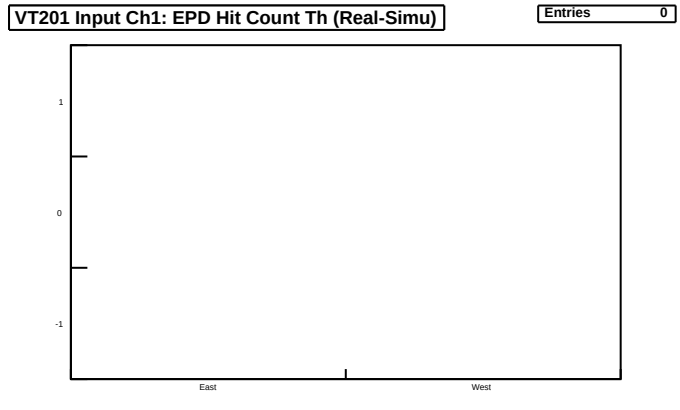

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 641396
201094
263990
119604
50708
East
West

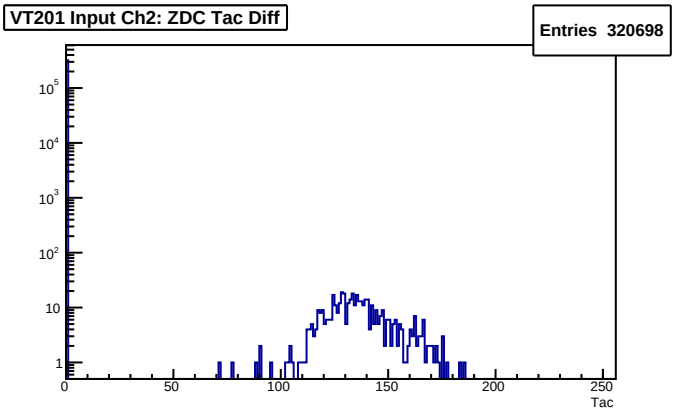

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

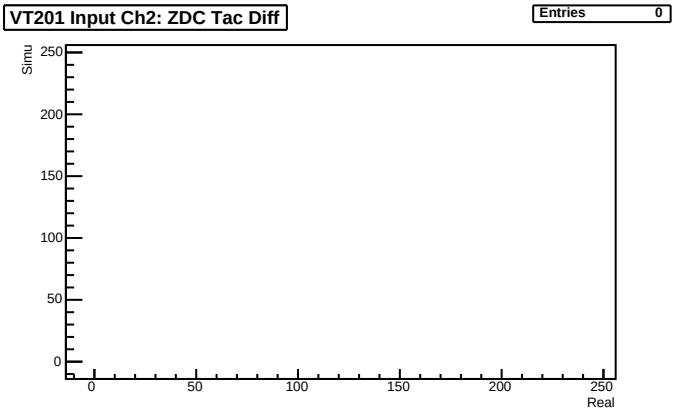

VT201 Input Ch1: EPD Tac Diff
Entries 320698
Tac

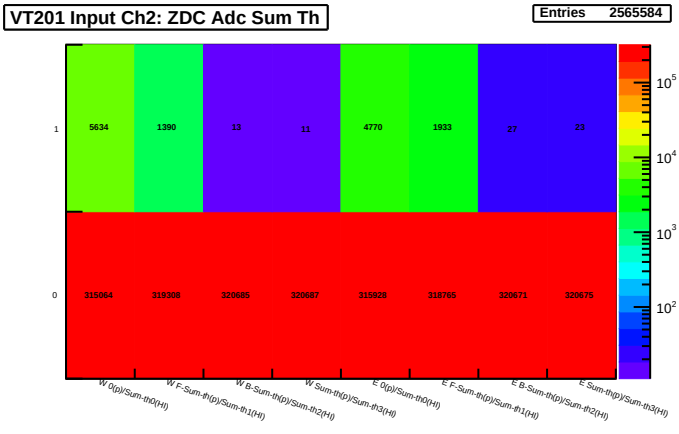

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

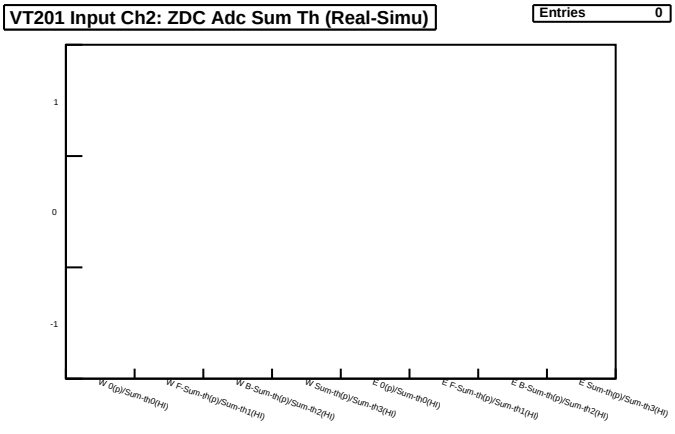

VT201 Input Ch1: EPD Hit Count Th
Entries 641396
314643
313670
6055
7028
East
West

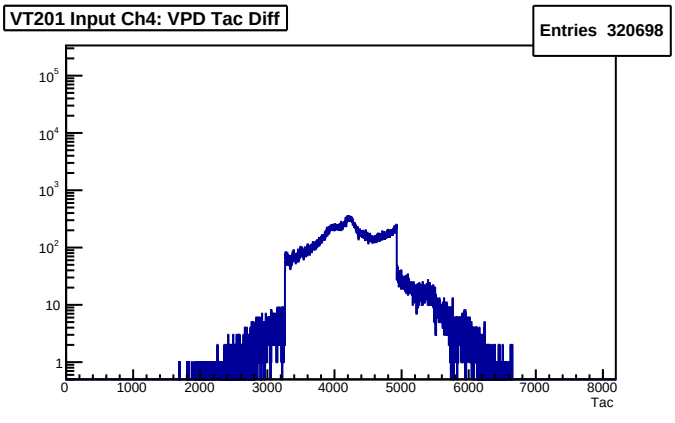

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

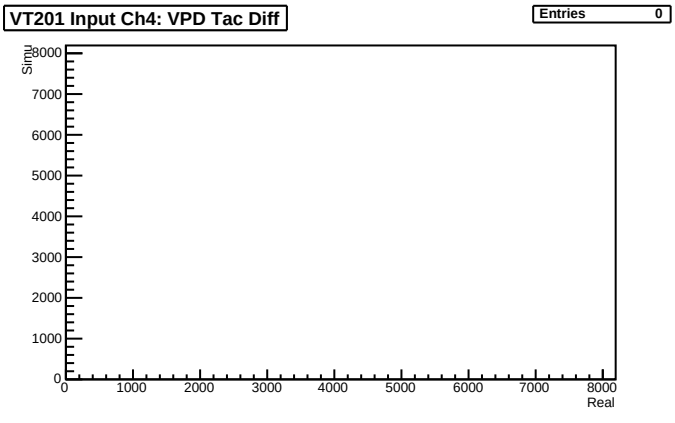

VT201 Input Ch2: ZDC Tac Diff
Entries 320698
Tac

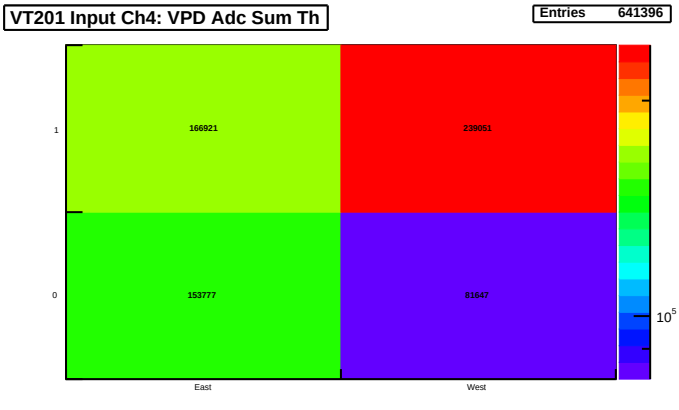

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

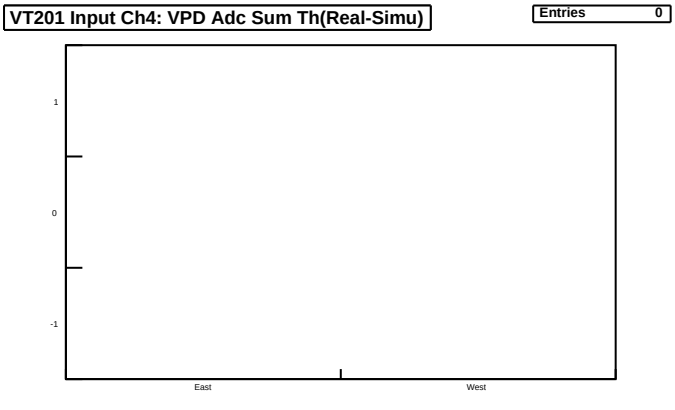

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2565584
5634
1390
13
11
4770
1933
27
23
315064
319308
320685
320687
315928
318765
320671
320675
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

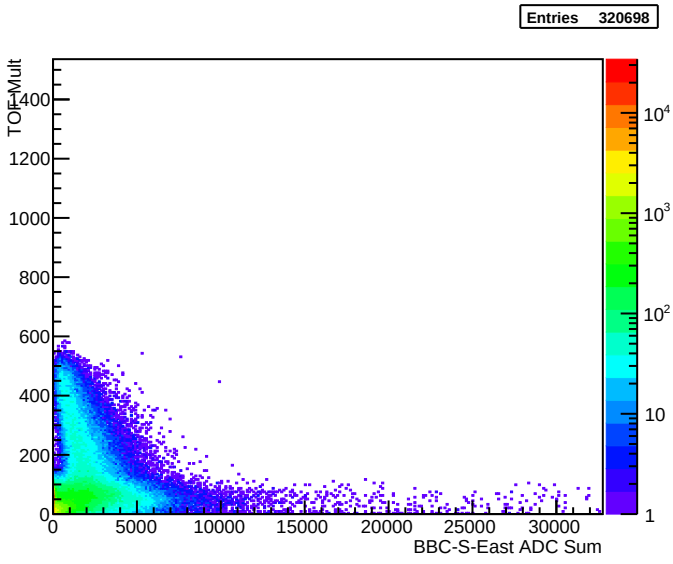

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

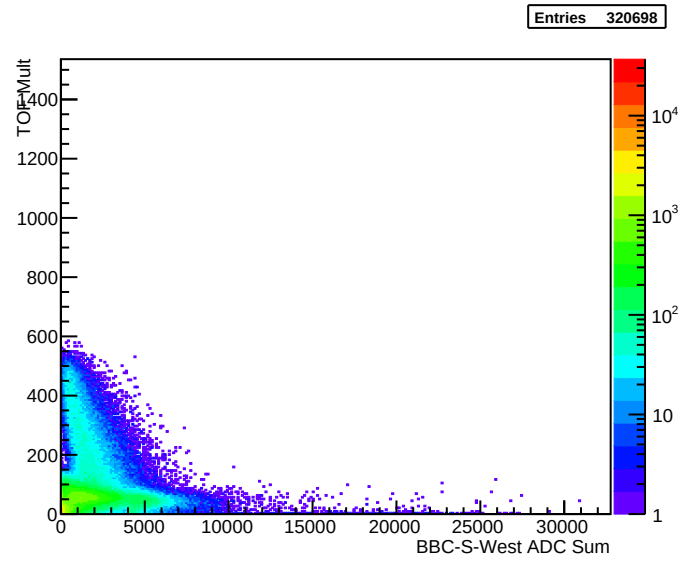

VT201 Input Ch4: VPD Tac Diff
Entries 320698
Tac

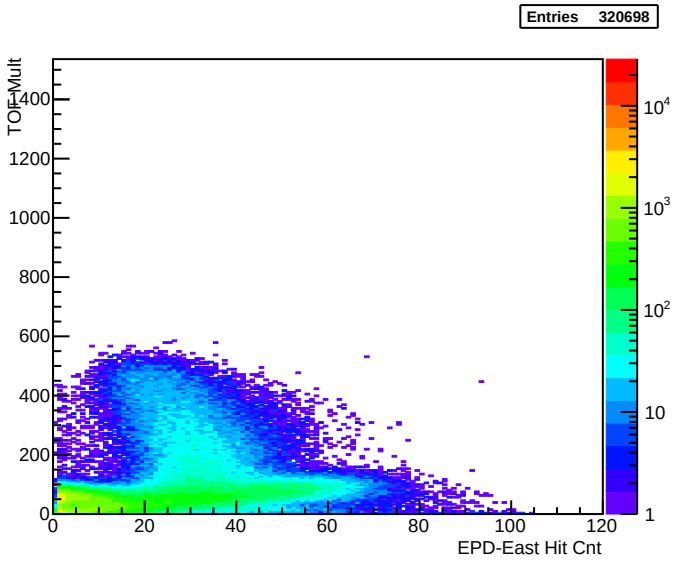

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

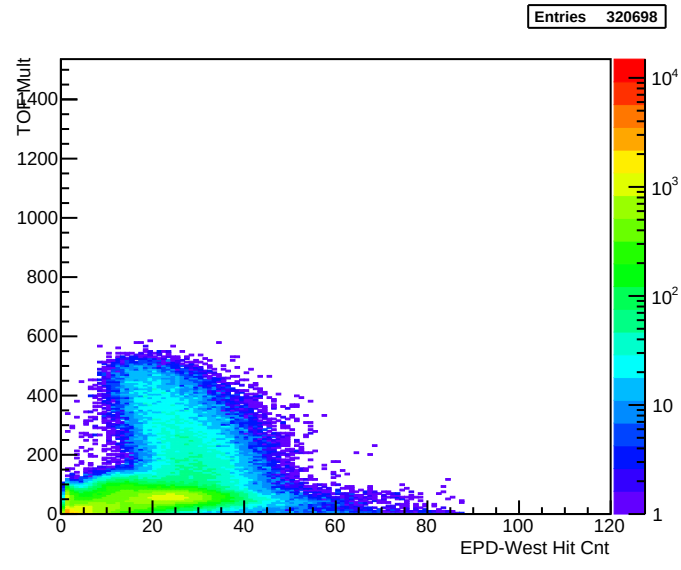

VT201 Input Ch4: VPD Adc Sum Th
Entries 641396
166921
239051
153777
81647
East
West

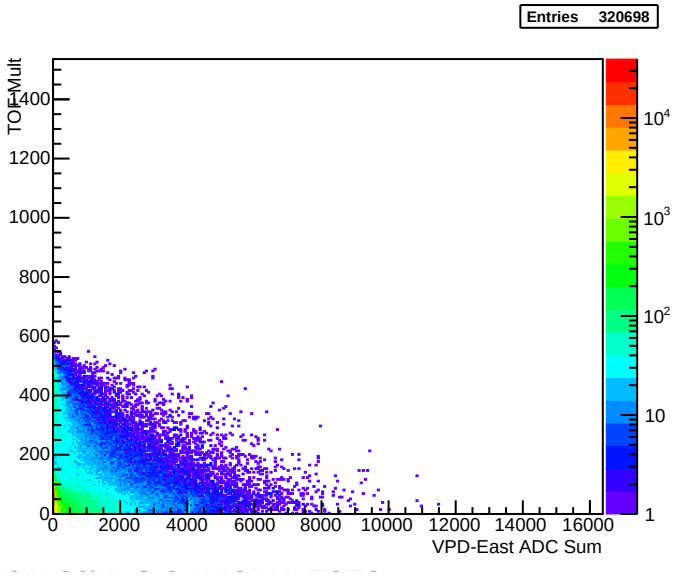

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

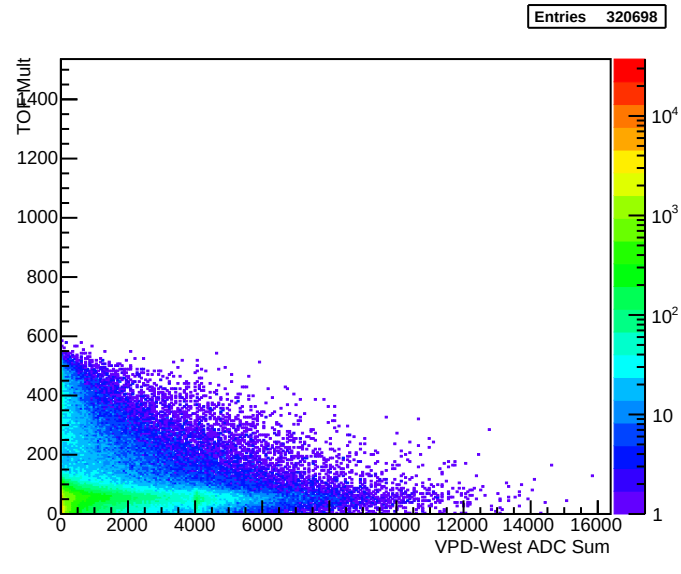

Entries 320698
TOF-Mult
BBC-S-East ADC Sum

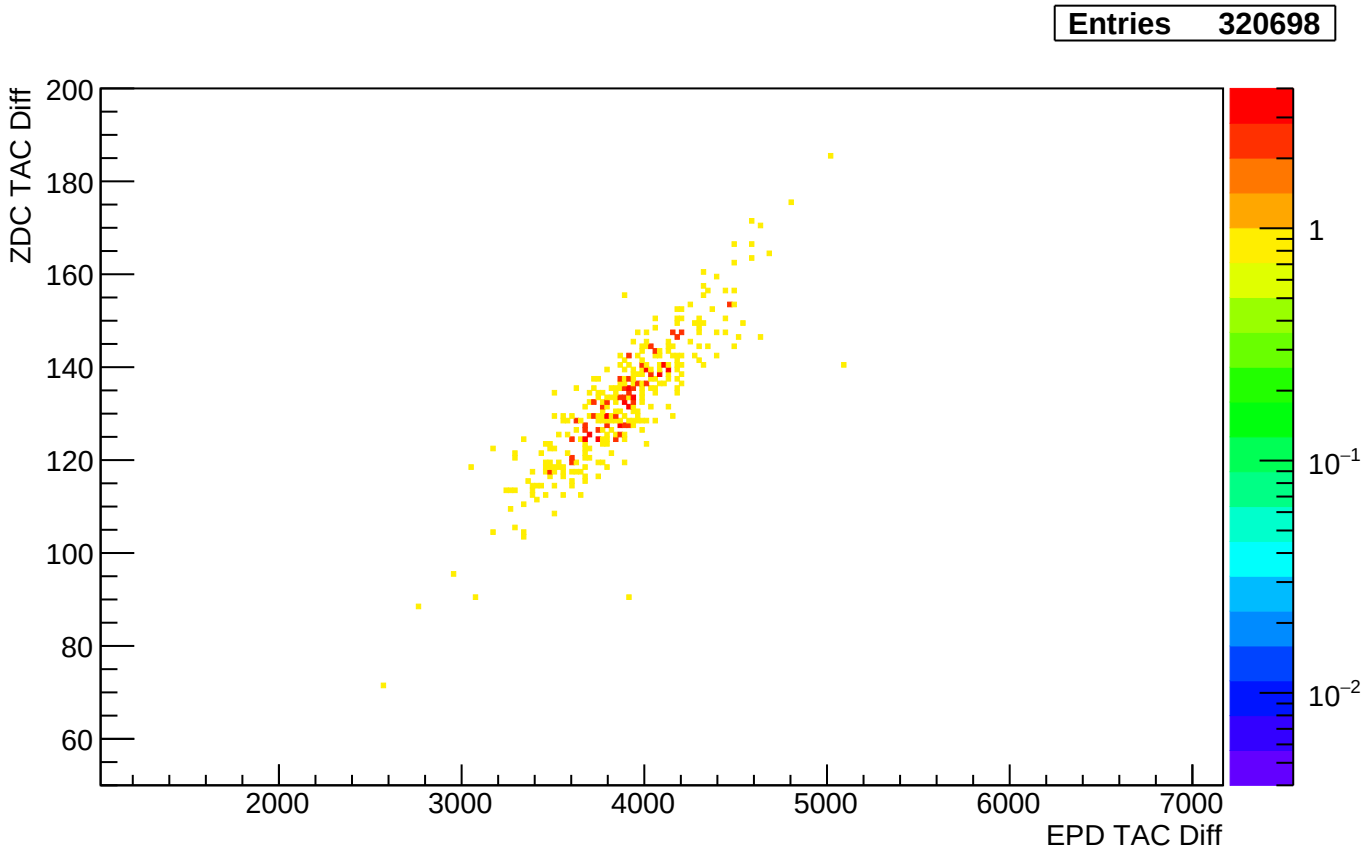

Entries 320698
TOF-Mult
BBC-S-West ADC Sum

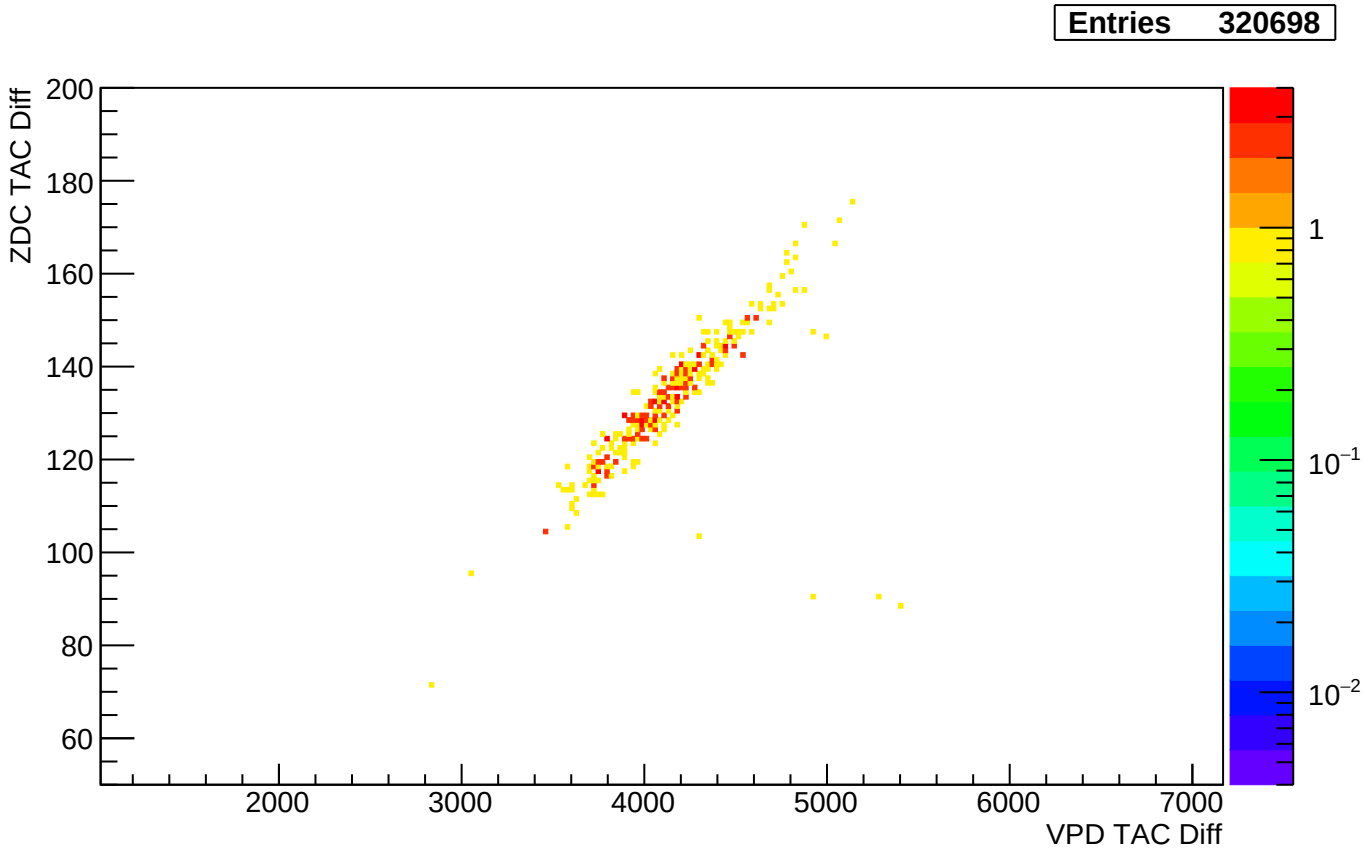

Entries 320698
TOF-Mult
EPD-East Hit Cnt

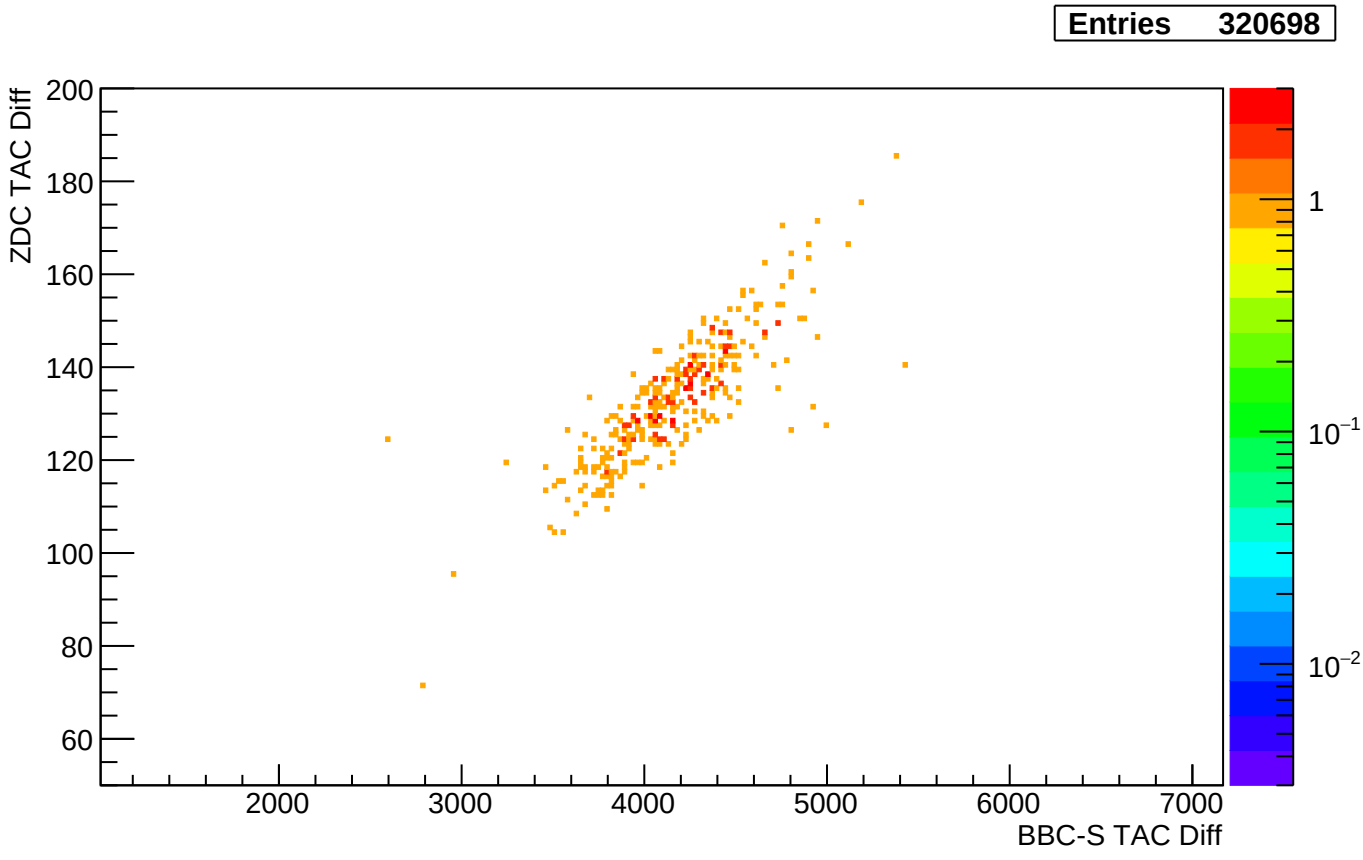

Entries 320698
TOF-Mult
EPD-West Hit Cnt

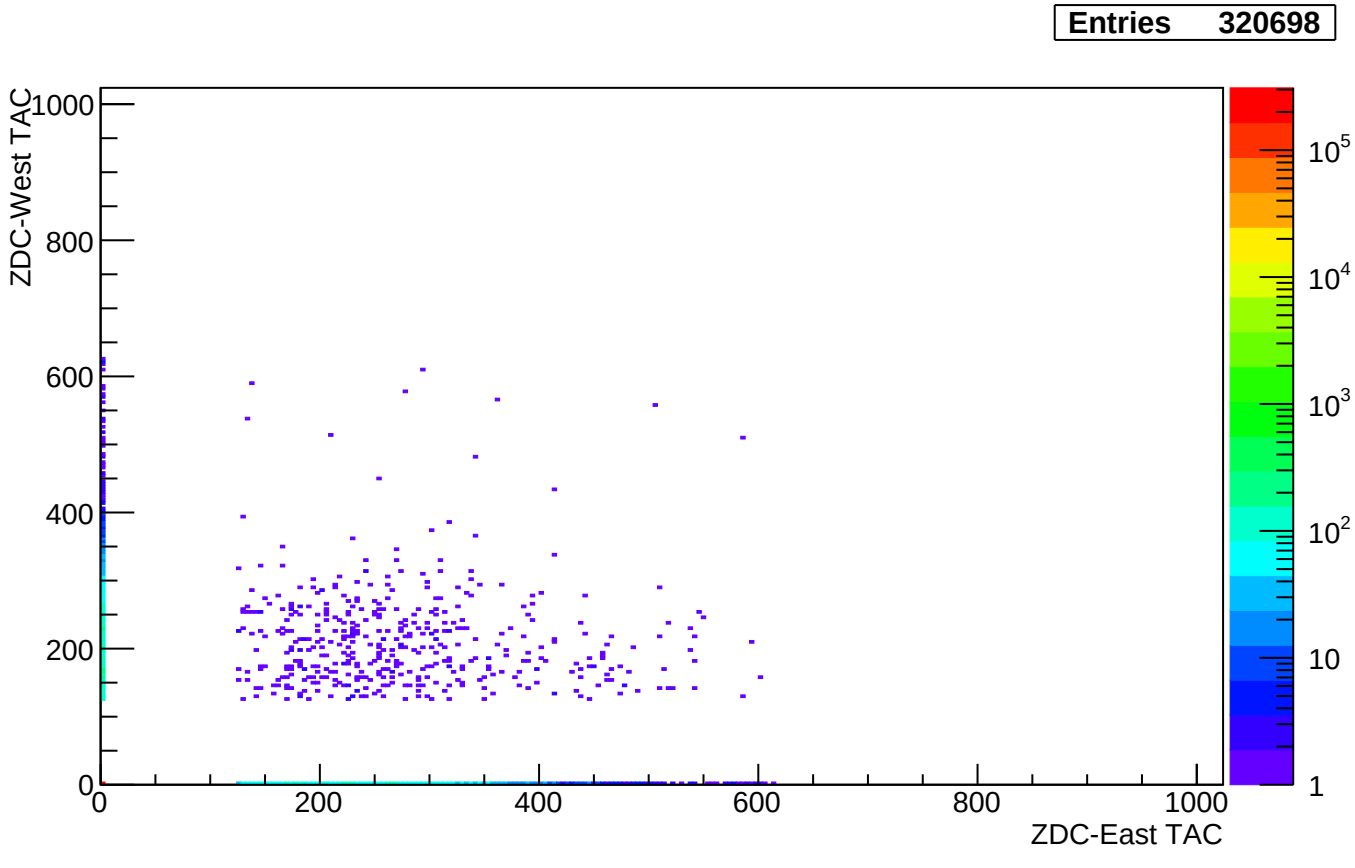

Entries 320698
TOF-Mult
VPD-East ADC Sum

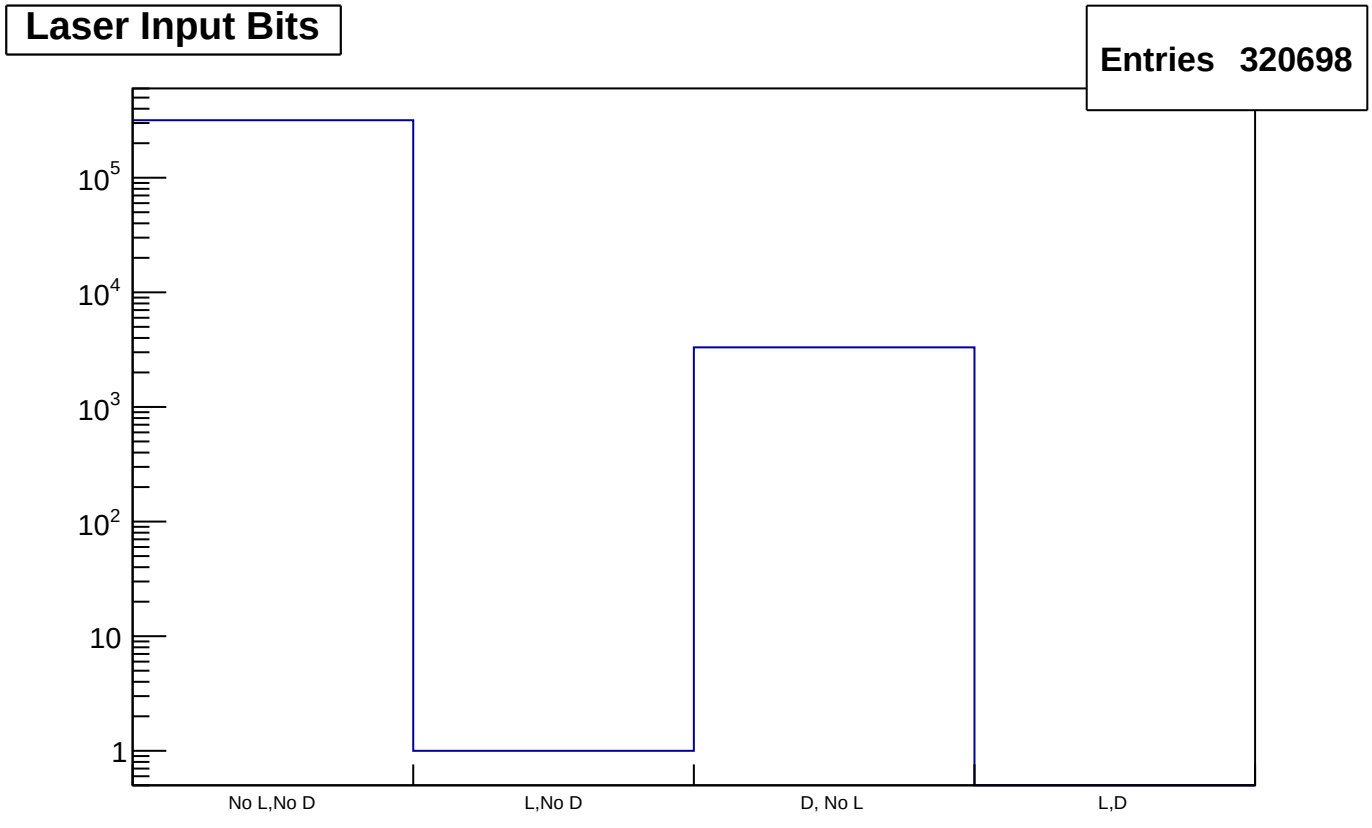

Entries 320698
TOF-Mult
VPD-West ADC Sum

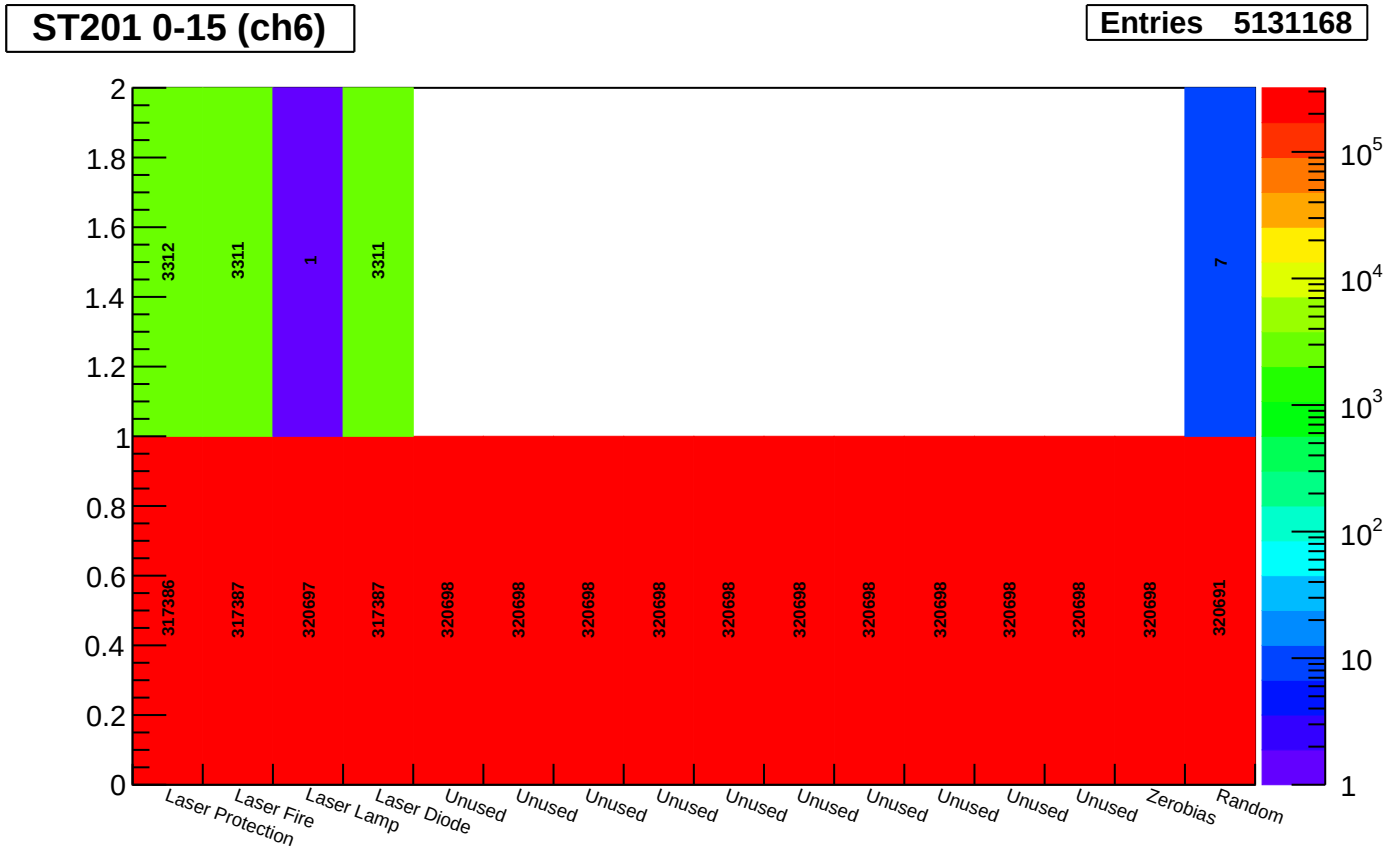

Entries 320698
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

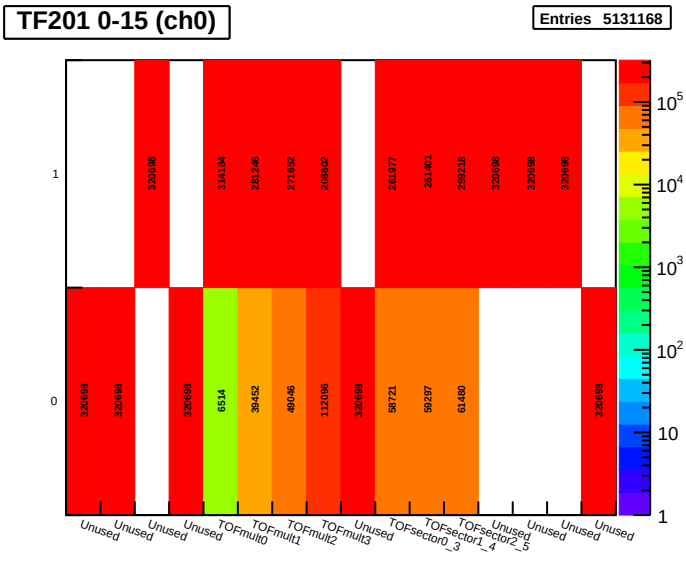

Entries 320698
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

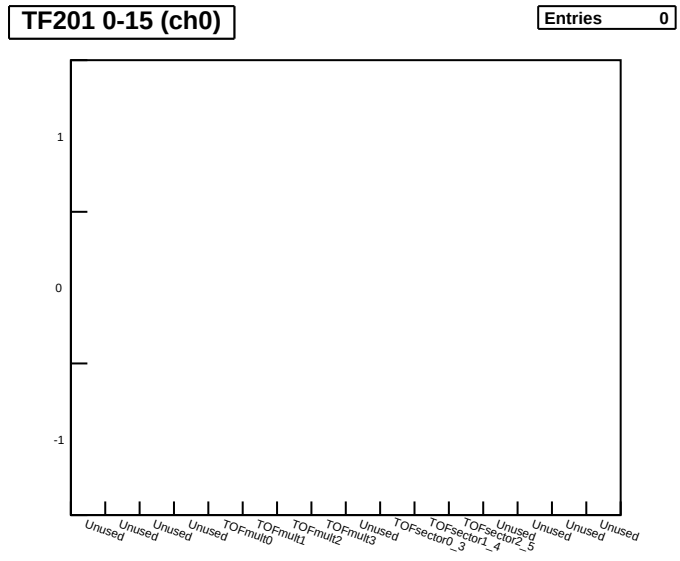

Entries 320698
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

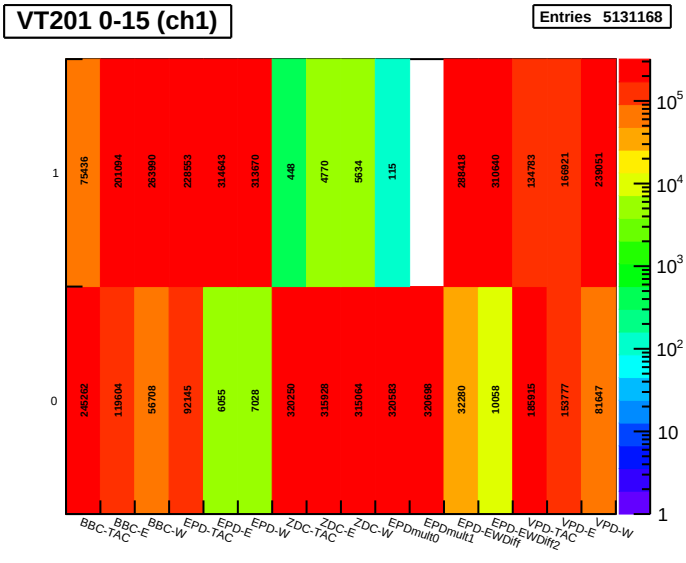

Entries 320698
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

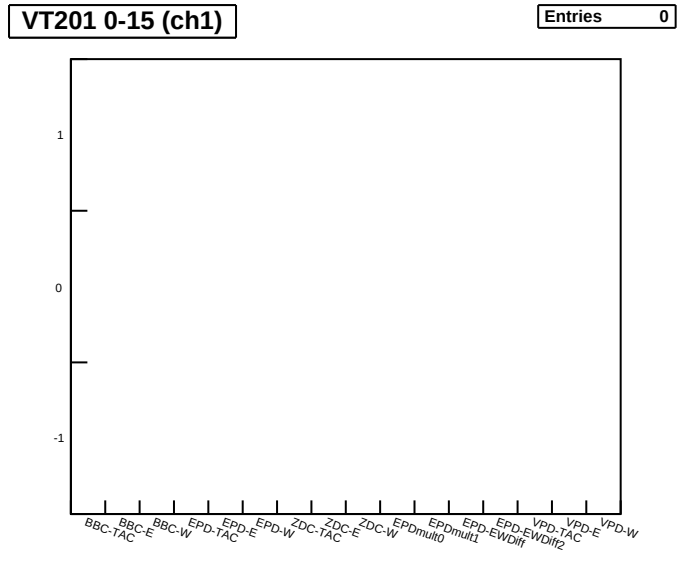

Laser Input Bits
Entries 320698
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

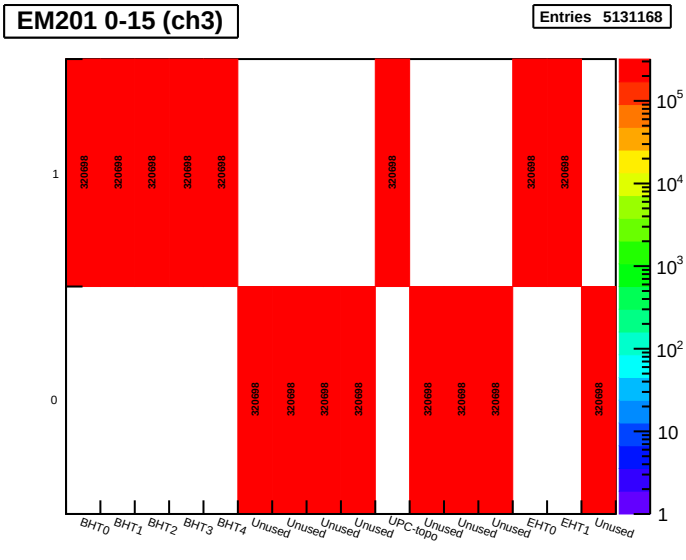

ST201 0-15 (ch6)
Entries 5131168
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3312
3311
1
3311
7
317386
317387
320697
317387
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320691
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

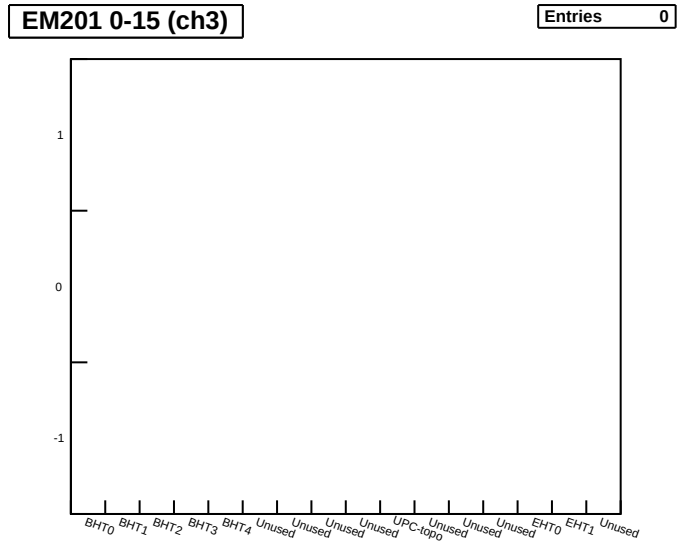

TF201 0-15 (ch0)
Entries 5131168
1
0
320698
320698
320698
320698
344184
281246
271652
208602
320698
320698
320698
320698
6514
39452
49046
112096
320698
261977
251401
239218
320698
320698
320698
320698
58721
59297
61480
320698
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
1
10
10^2
10^3
10^4
10^5


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused


VT201 0-15 (ch1)
Entries 5131168
1
0
75436
201094
263990
228553
314643
313670
448
4770
5634
115
288418
310640
134783
166921
230051
245262
119604
56708
92145
6055
7028
320250
315928
315064
320583
320698
32280
10068
165915
153777
81647
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
1
10
10^2
10^3
10^4
10^5


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 5131168
1
0
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
320698
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
1
10
10^2
10^3
10^4
10^5


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