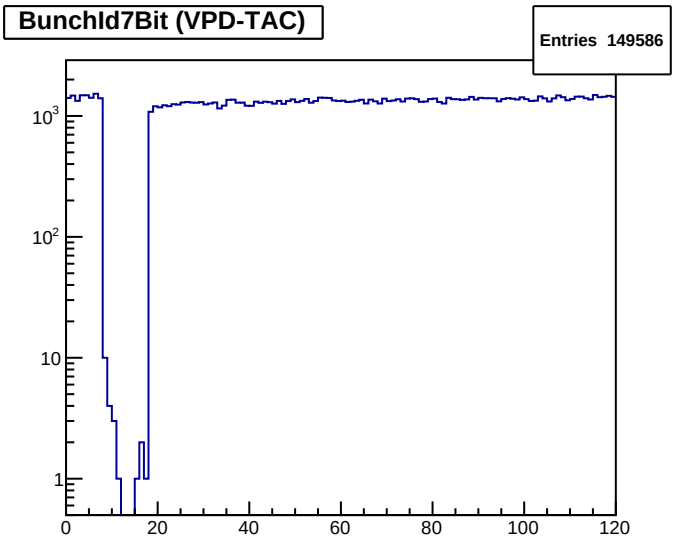
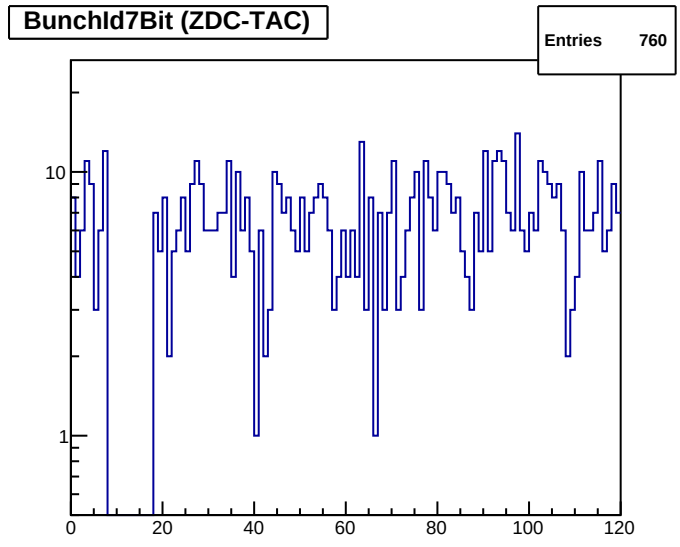
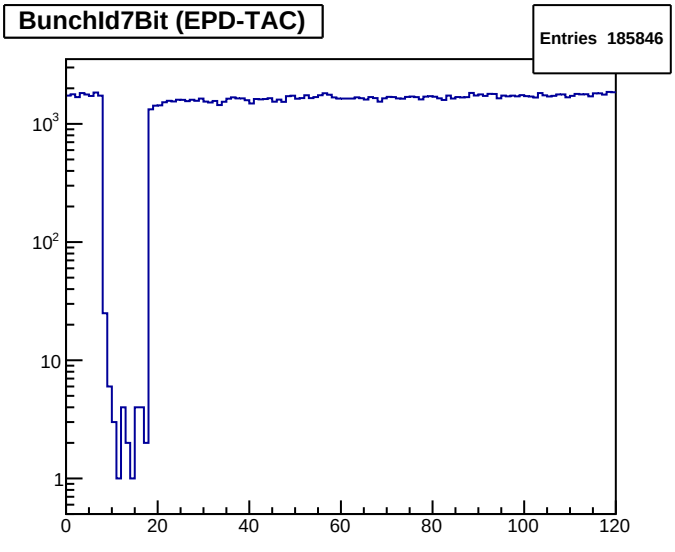
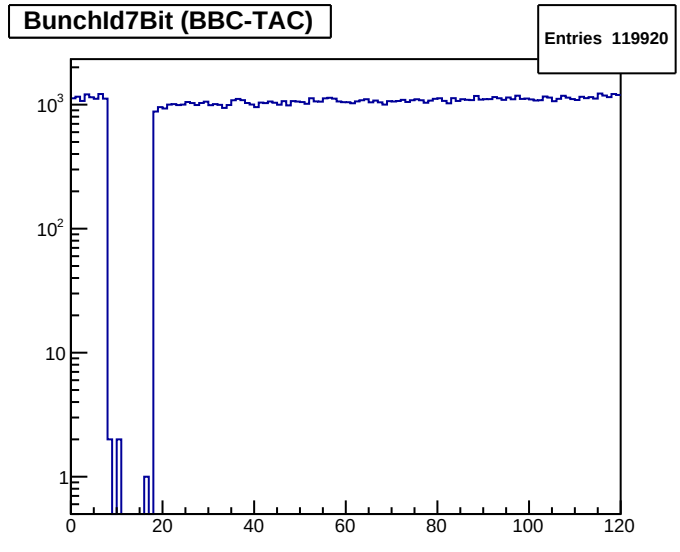
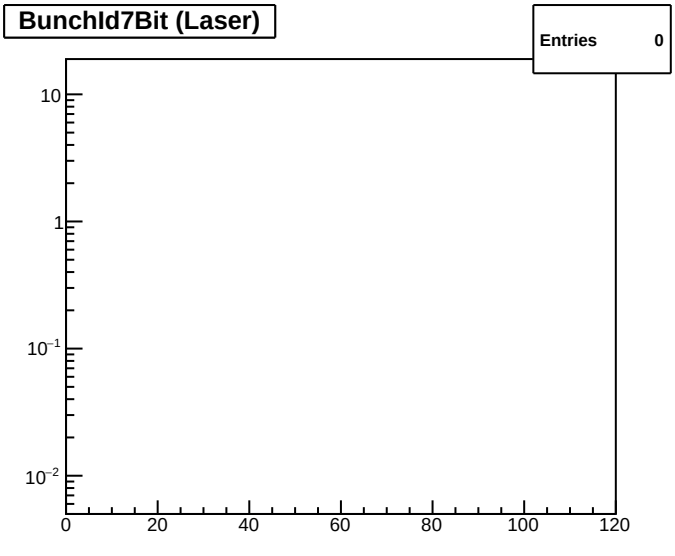
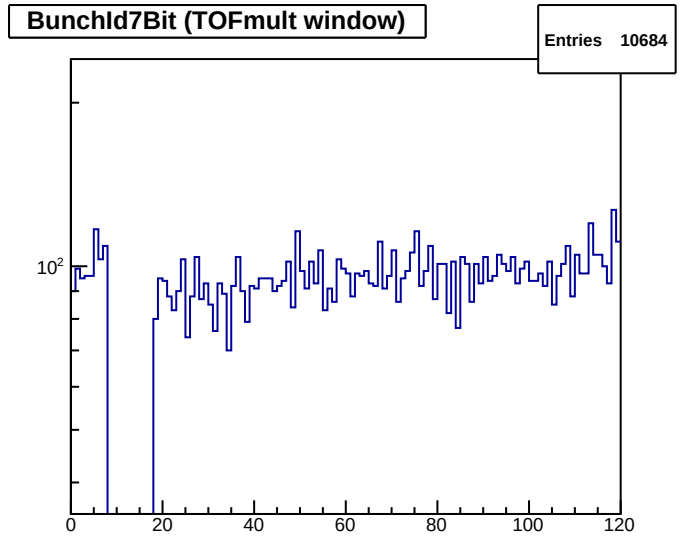

BunchId7Bit (VPD-TAC)
Entries 149586
10^3
10^2
10
1
0
20
40
60
80
100
120

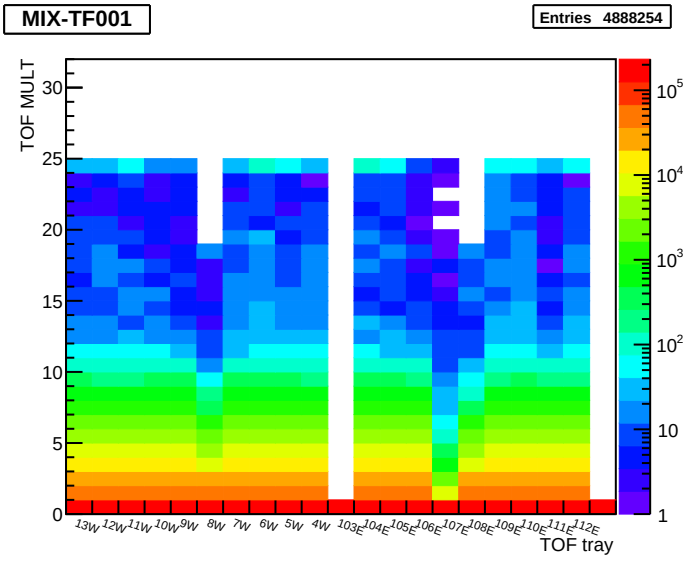

BunchId7Bit (ZDC-TAC)
Entries 760
10
1
0
20
40
60
80
100
120

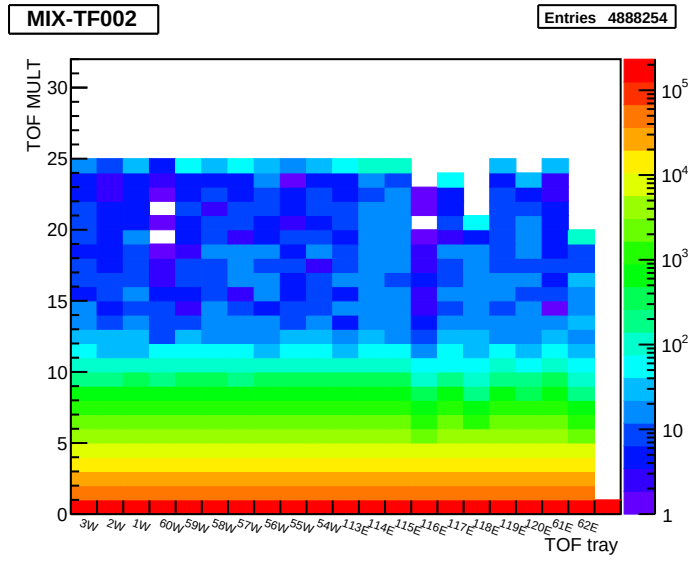

BunchId7Bit (EPD-TAC)
Entries 185846
10^3
10^2
10
1
0
20
40
60
80
100
120

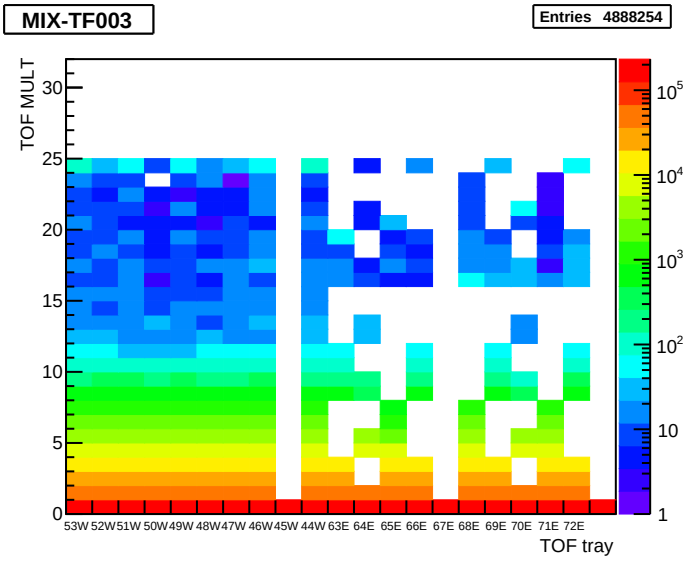

BunchId7Bit (BBC-TAC)
Entries 119920
10^3
10^2
10
1
0
20
40
60
80
100
120

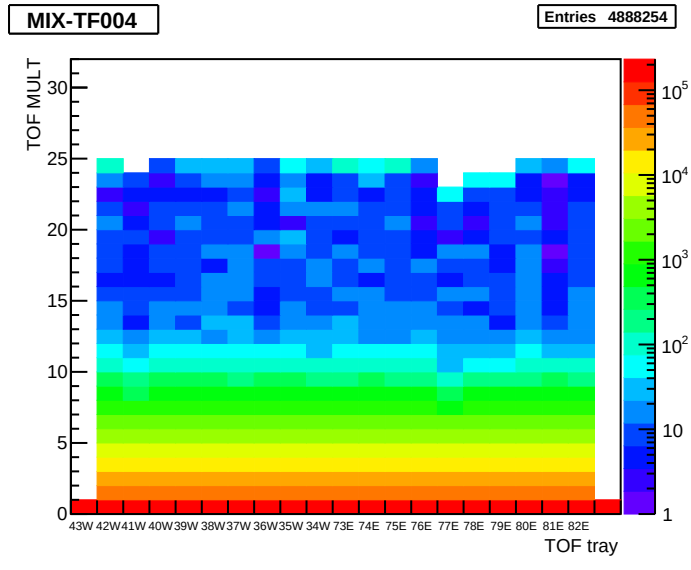

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

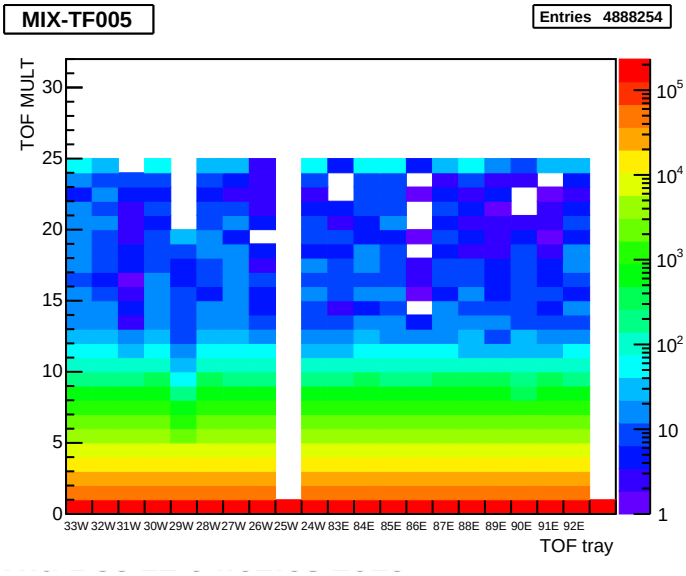

BunchId7Bit (TOFmult window)
Entries 10684
10^2
0
20
40
60
80
100
120

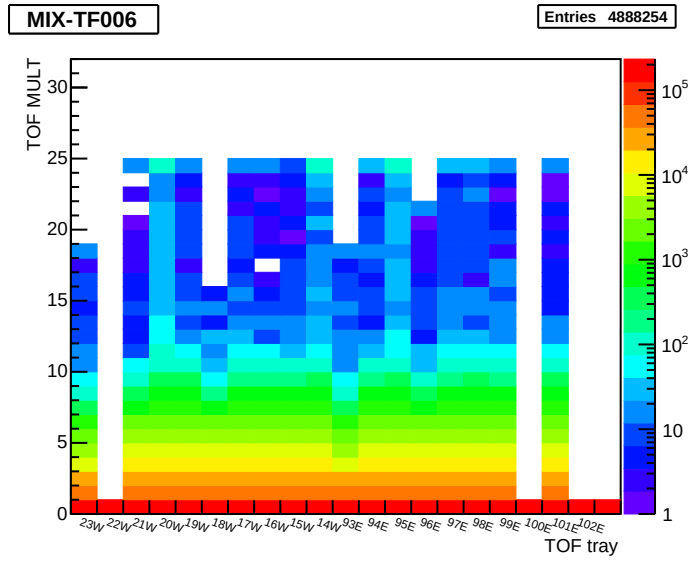

MIX-TF001
Entries 4888254
TOF MULT
TOF tray

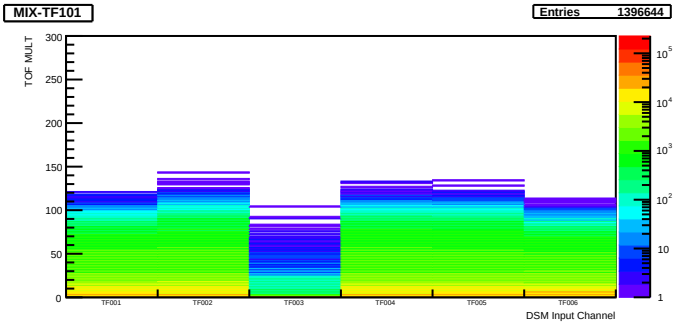

MIX-TF002
Entries 4888254
TOF MULT
TOF tray

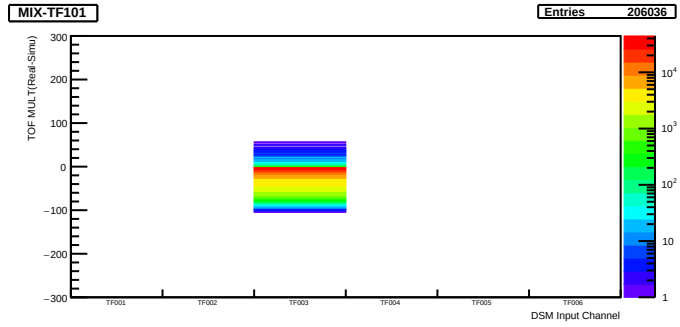

MIX-TF003
Entries 4888254
TOF MULT
TOF tray

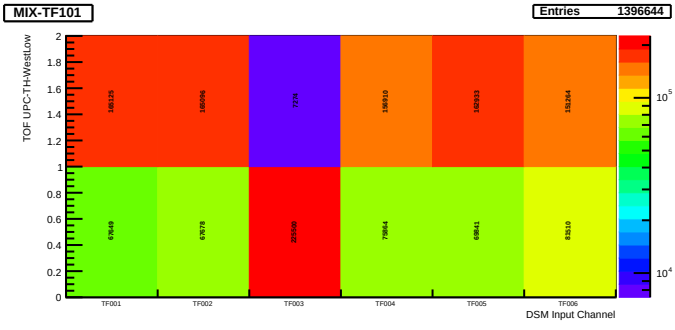

MIX-TF004
Entries 4888254
TOF MULT
TOF tray

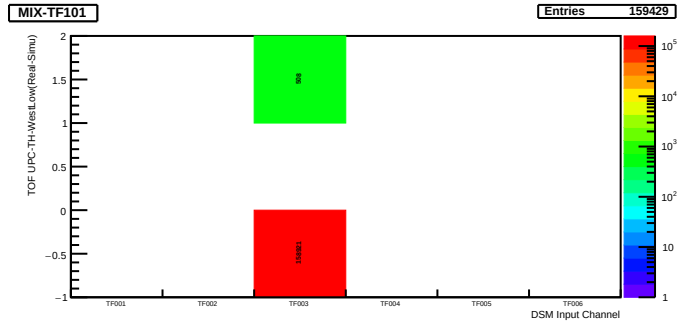

MIX-TF005
Entries 4888254
TOF MULT
TOF tray

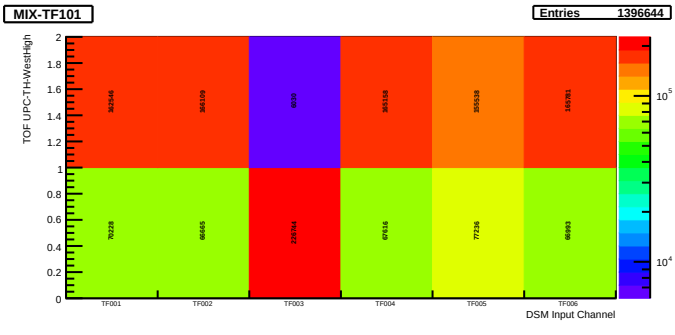

MIX-TF006
Entries 4888254
TOF MULT
TOF tray

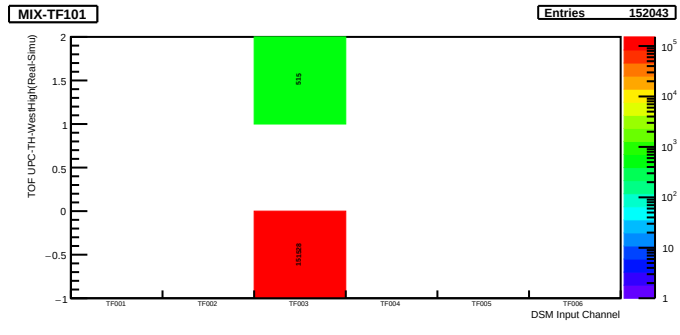

MIX-TF101
Entries 1396644
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

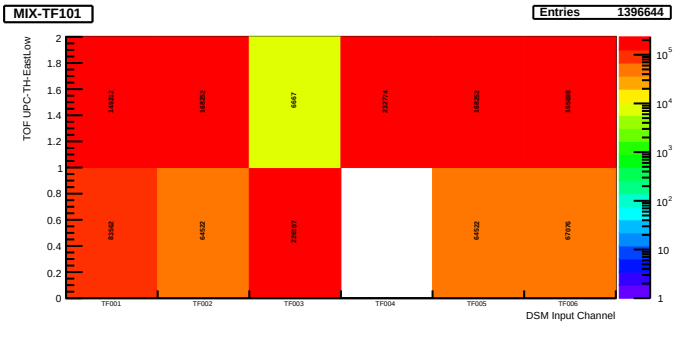

MIX-TF101
Entries 206036
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

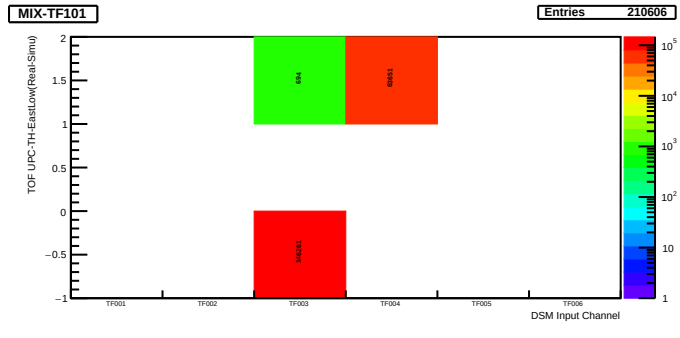

MIX-TF101
Entries 1396644
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

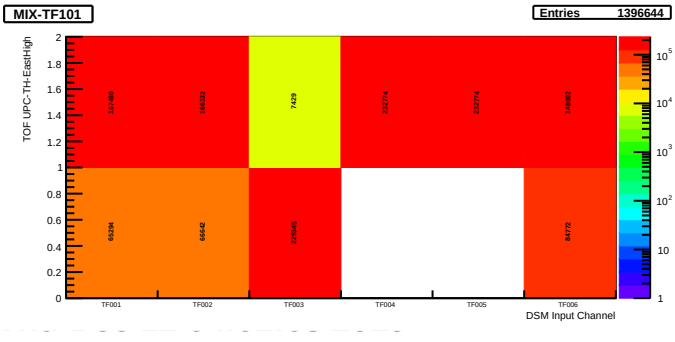

MIX-TF101
Entries 159429
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

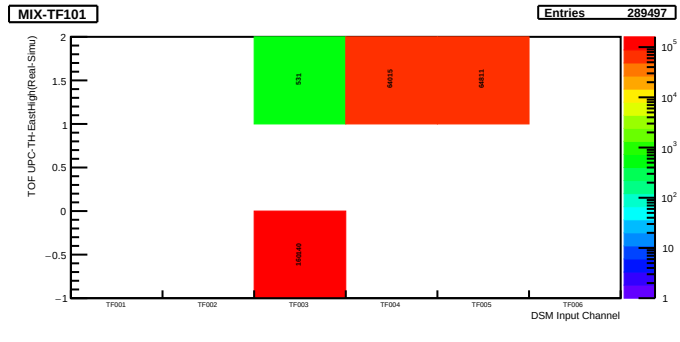

MIX-TF101
Entries 1396644
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

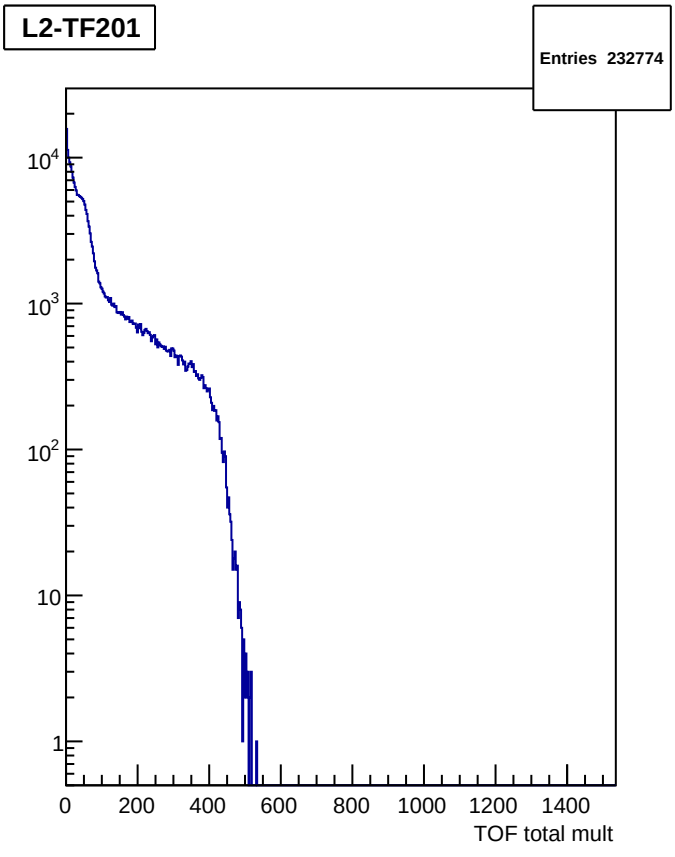

MIX-TF101
Entries 152043
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

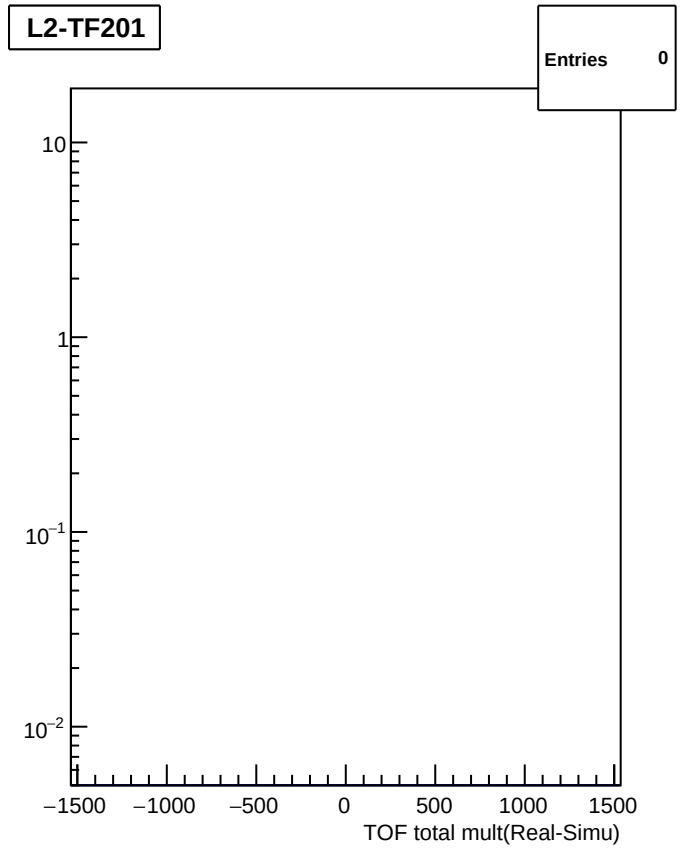

MIX-TF101
Entries 1396644
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

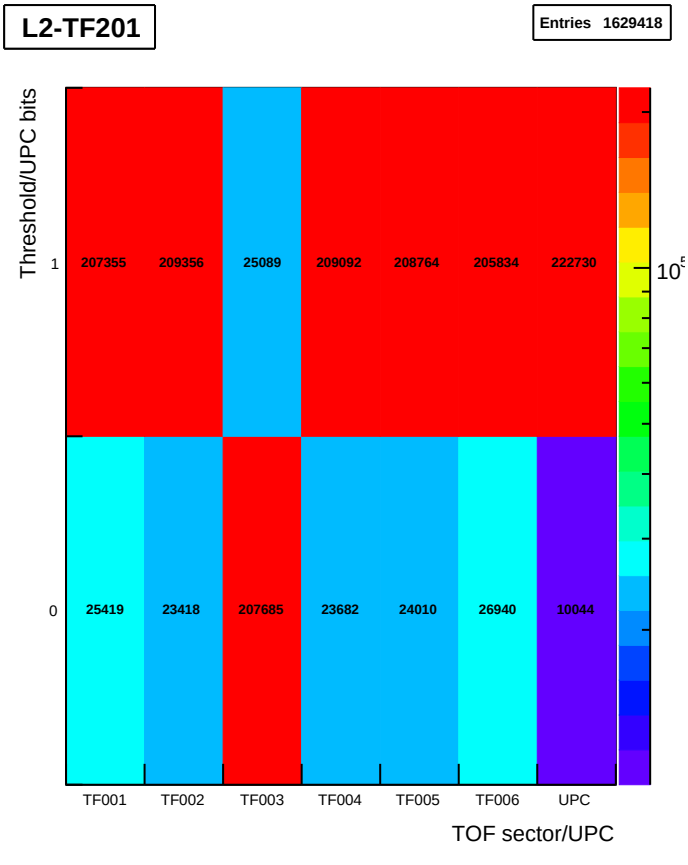

MIX-TF101
Entries 210606
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

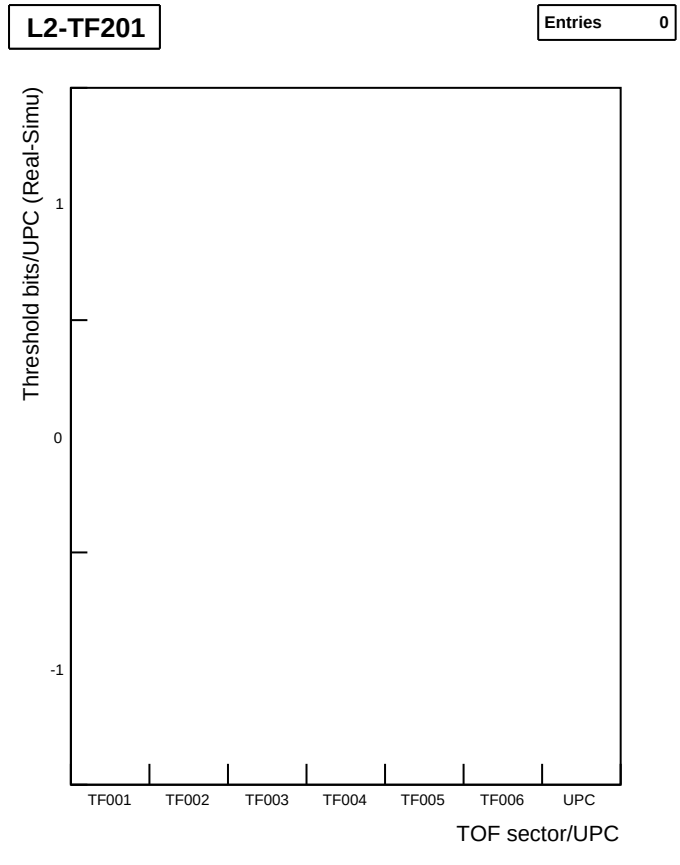

MIX-TF101
Entries 1396644
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

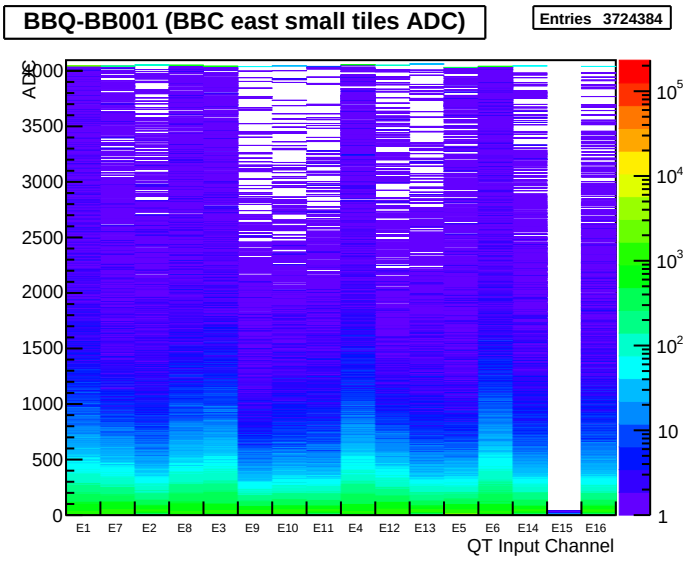

MIX-TF101
Entries 289497
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

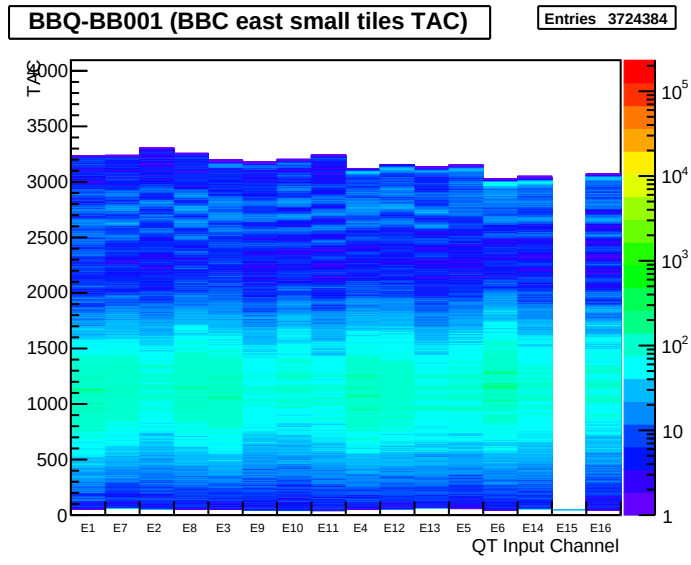

L2-TF201
Entries 232774
TOF total mult

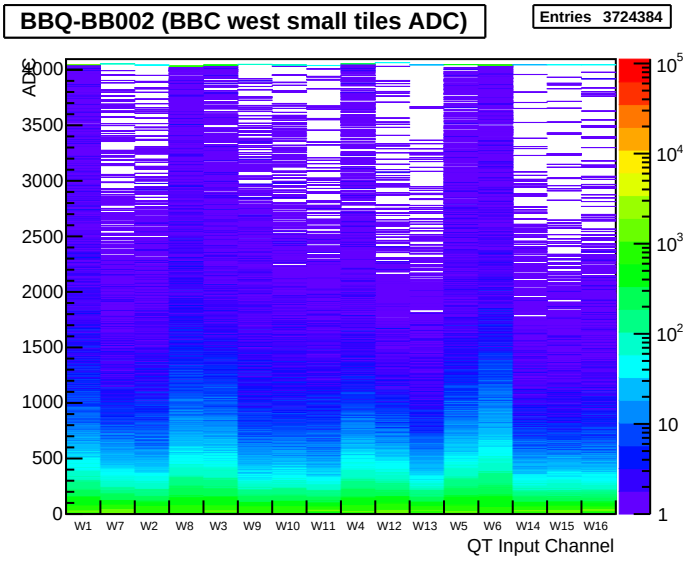

L2-TF201
Entries 0
TOF total mult(Real-Simu)

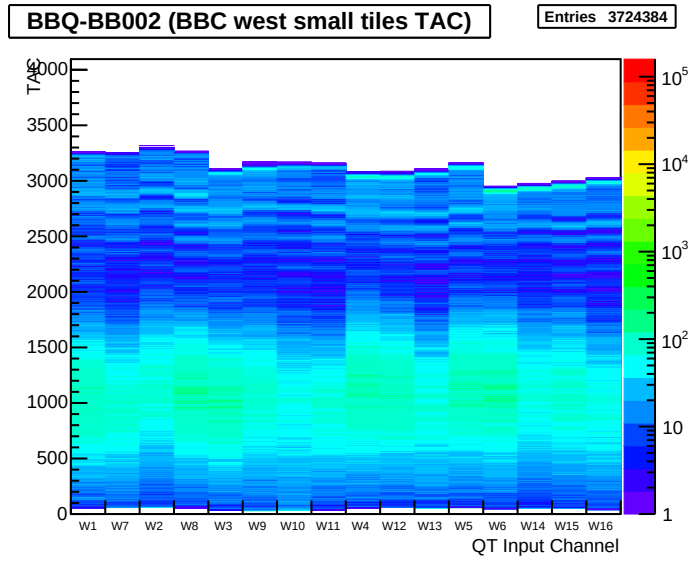

L2-TF201
Entries 1629418
Threshold/UPC bits
207355
209356
25089
209092
208764
205834
222730
25419
23418
207685
23682
24010
26940
10044
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

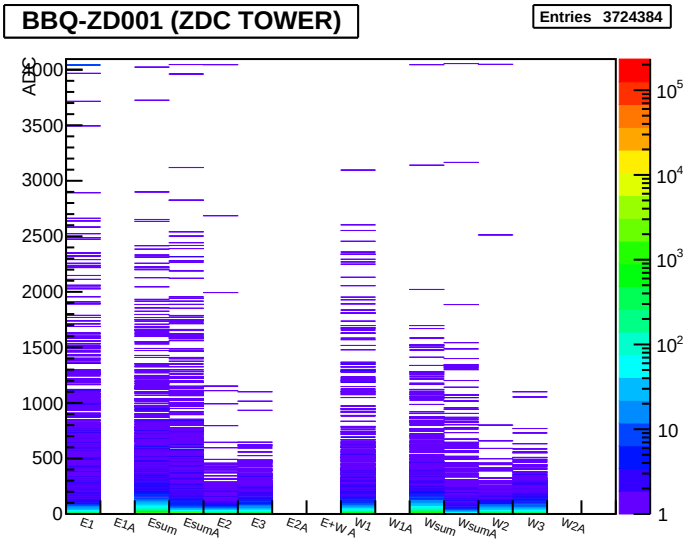

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

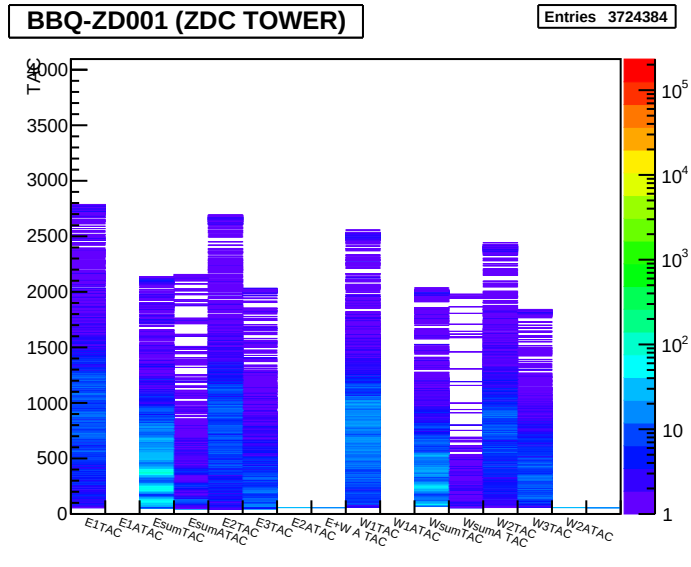

BBQ-BB001 (BBC east small tiles ADC)
Entries 3724384
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

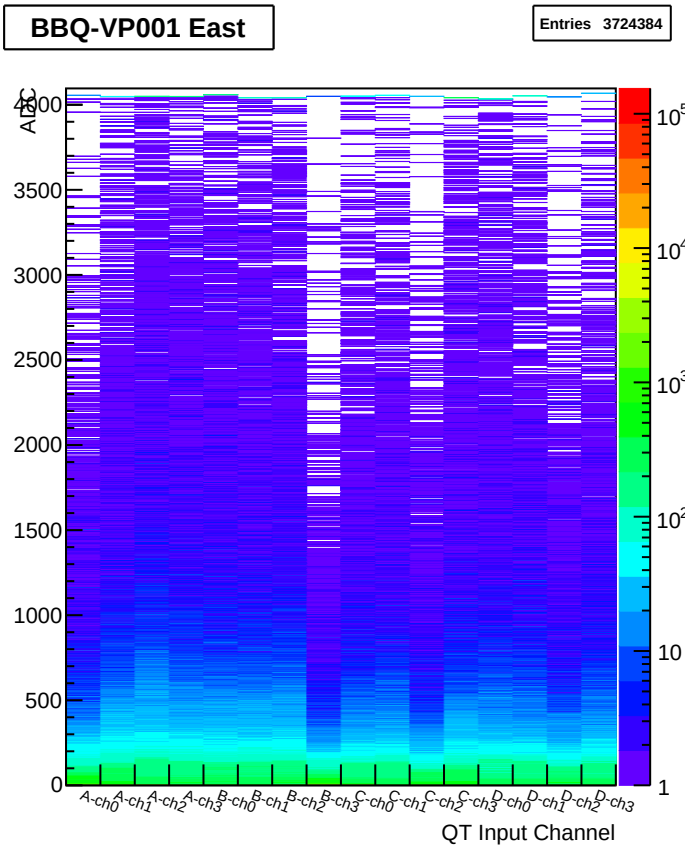

BBQ-BB001 (BBC east small tiles TAC)
Entries 3724384
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

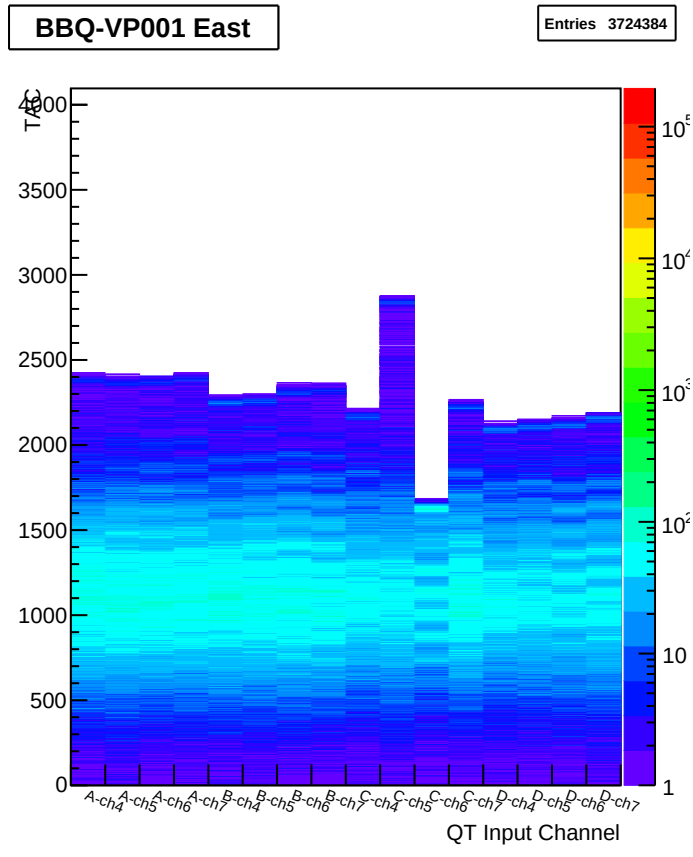

BBQ-BB002 (BBC west small tiles ADC)
Entries 3724384
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

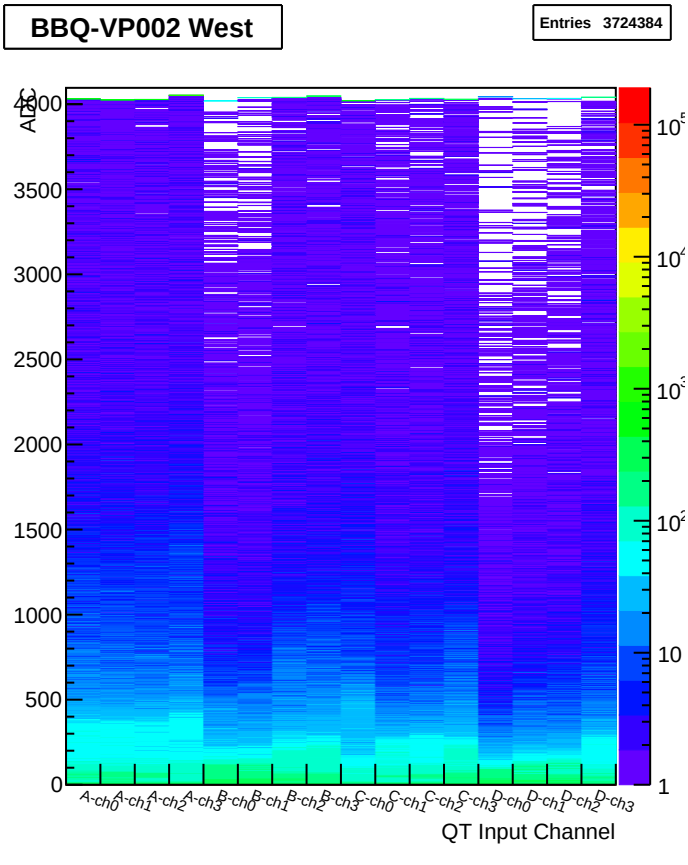

BBQ-BB002 (BBC west small tiles TAC)
Entries 3724384
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

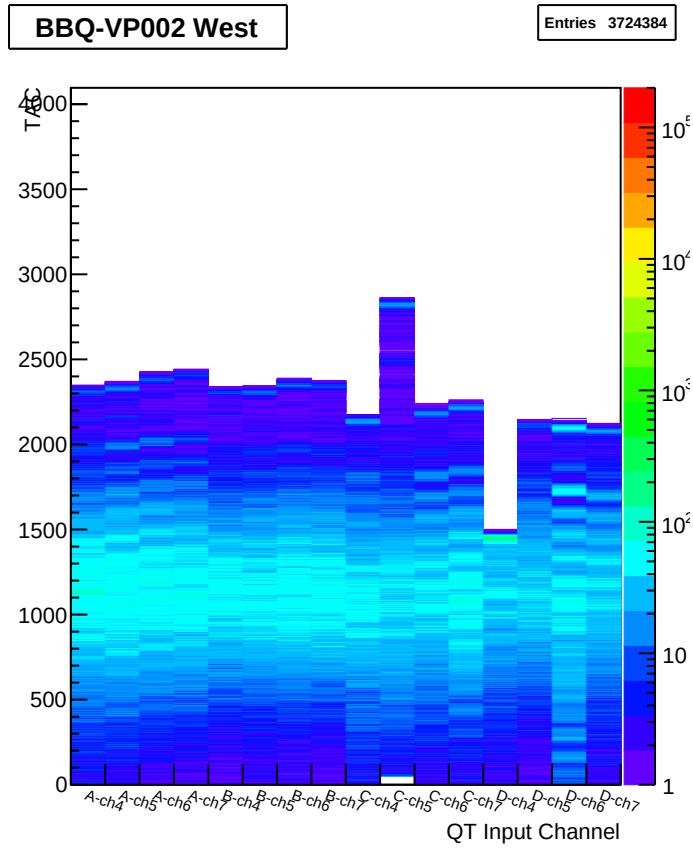

BBQ-ZD001 (ZDC TOWER)
Entries 3724384
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

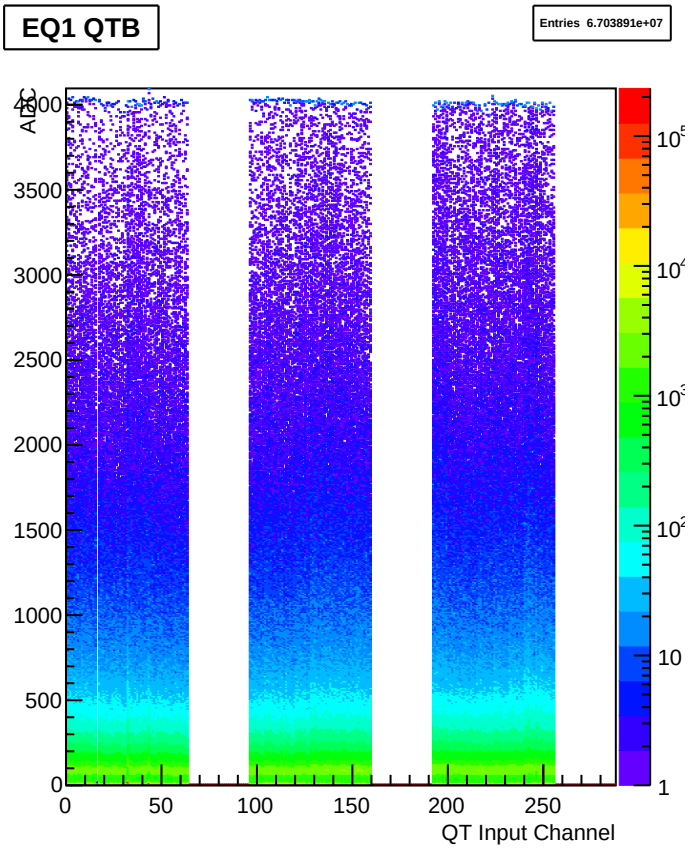

BBQ-ZD001 (ZDC TOWER)
Entries 3724384
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

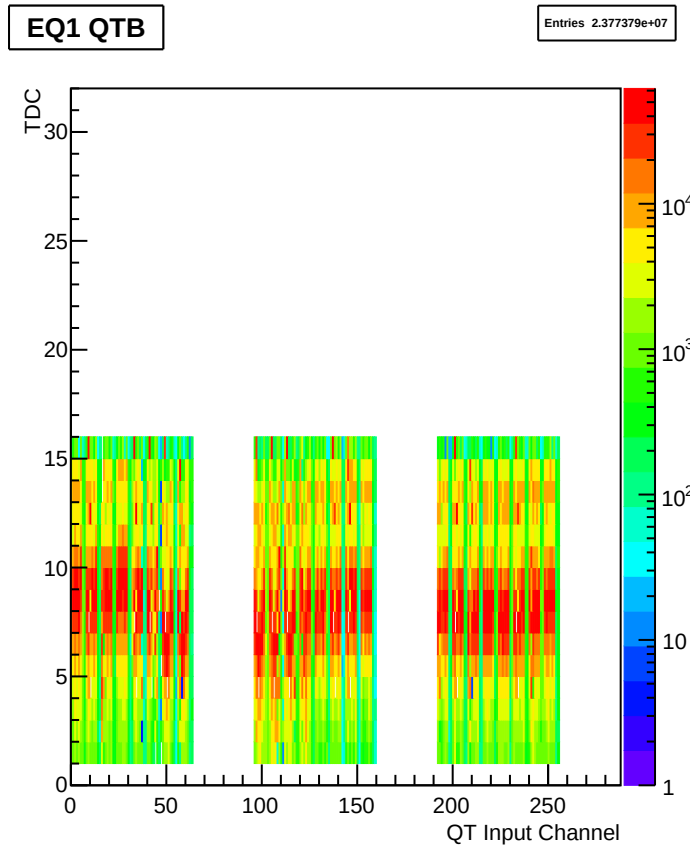

BBQ-VP001 East
Entries 3724384
ADC
QT Input Channel

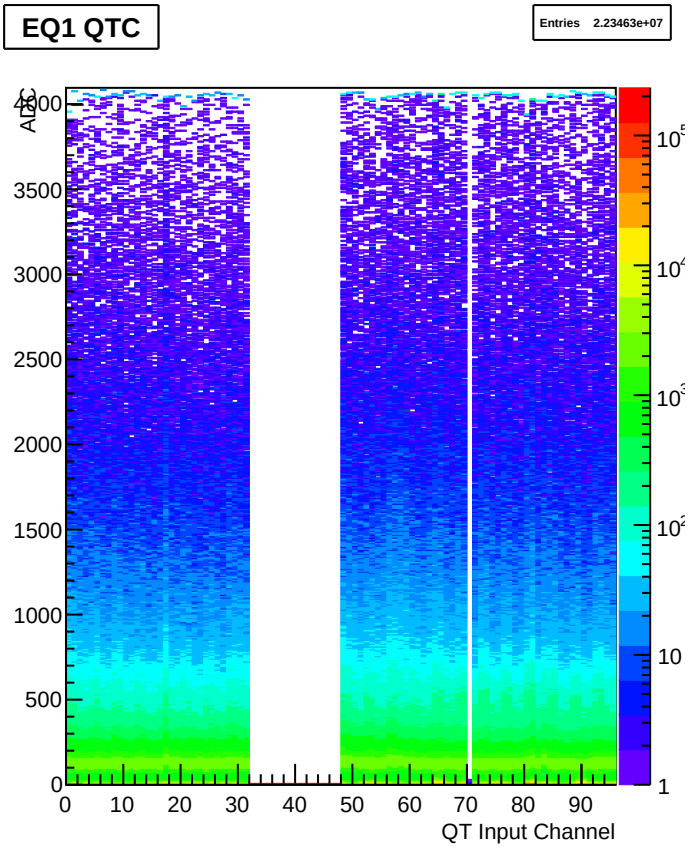

BBQ-VP001 East
Entries 3724384
ADC
QT Input Channel

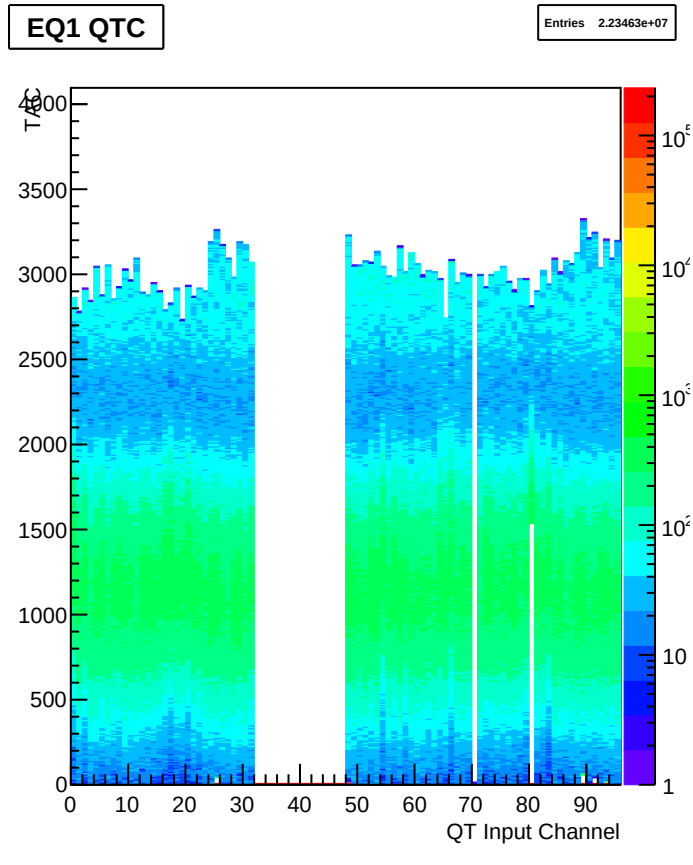

BBQ-VP002 West
Entries 3724384
ADC
QT Input Channel

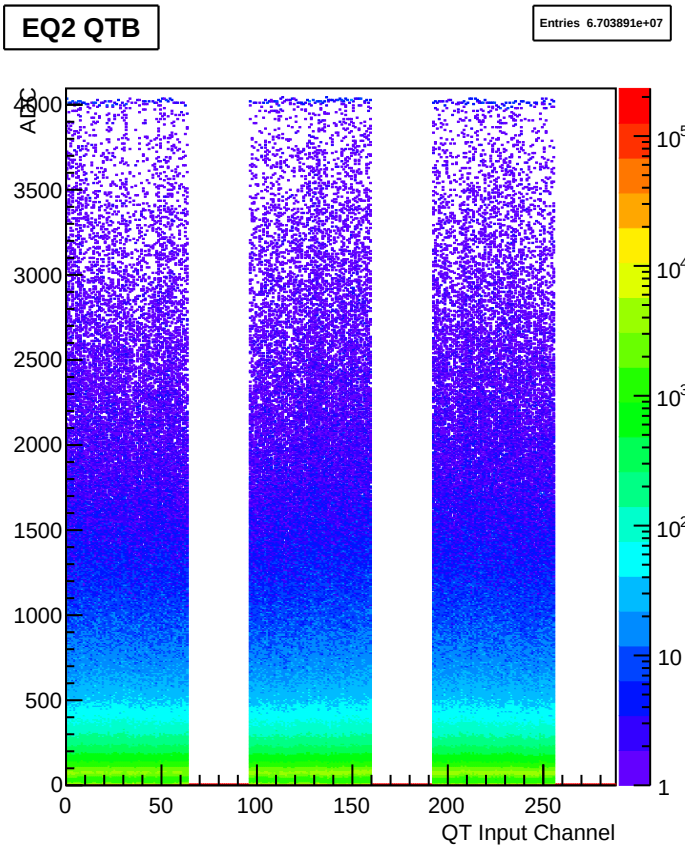

BBQ-VP002 West
Entries 3724384
ADC
QT Input Channel

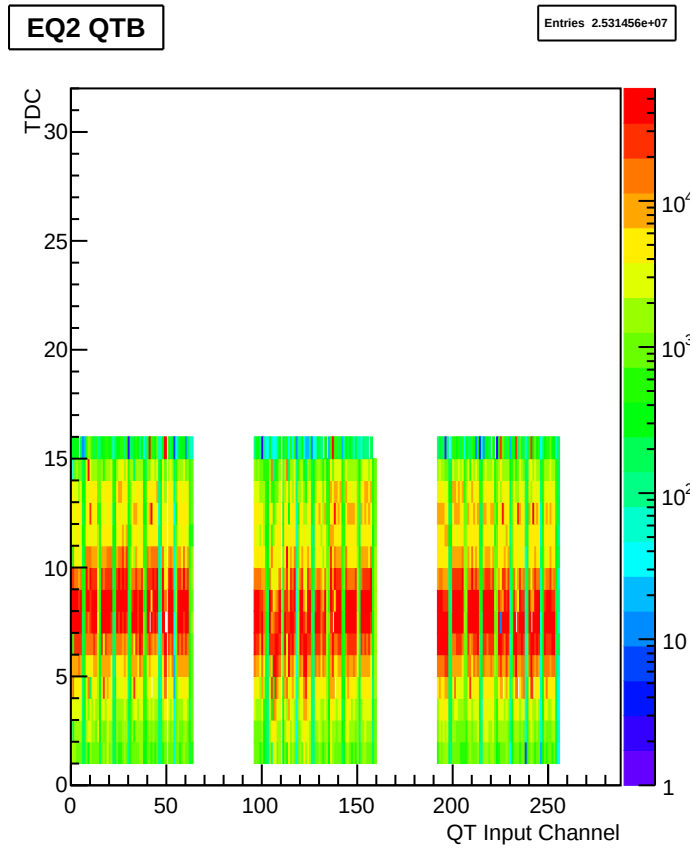

EQ1 QTB
Entries 6.703891e+07
ADC
QT Input Channel

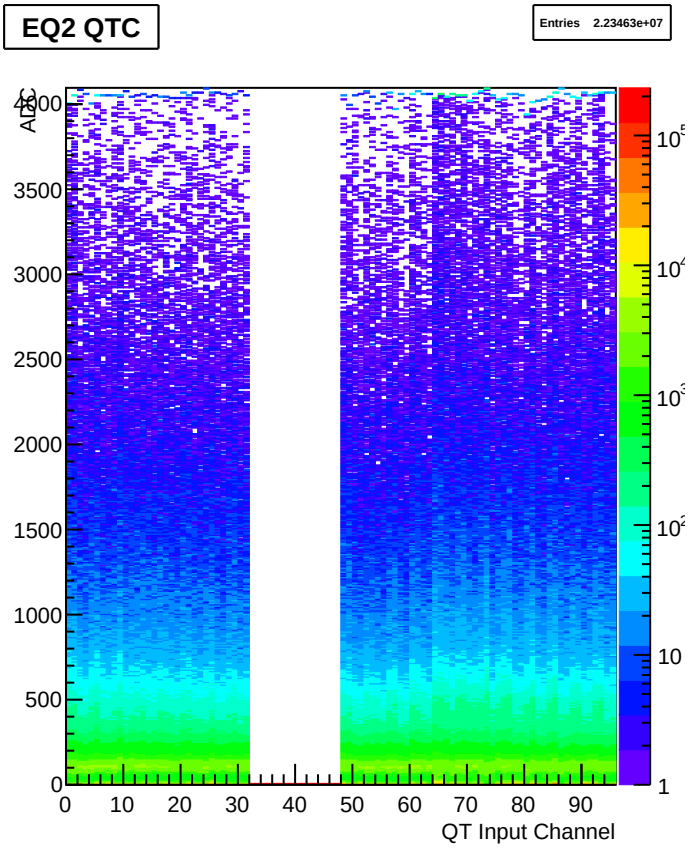

EQ1 QTB
Entries 2.377379e+07
TDC
QT Input Channel

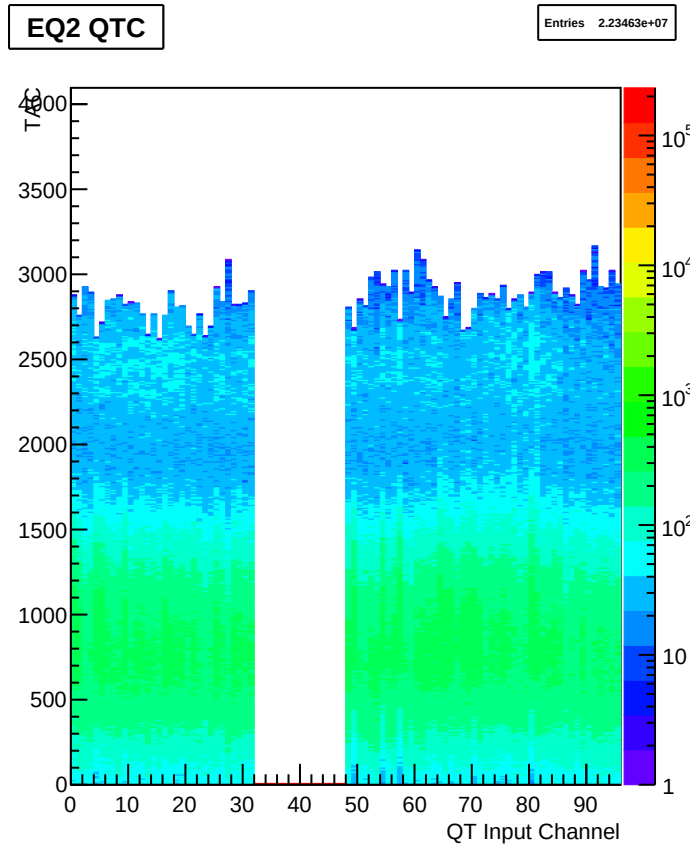

EQ1 QTC
Entries 2.23463e+07
ADC
QT Input Channel

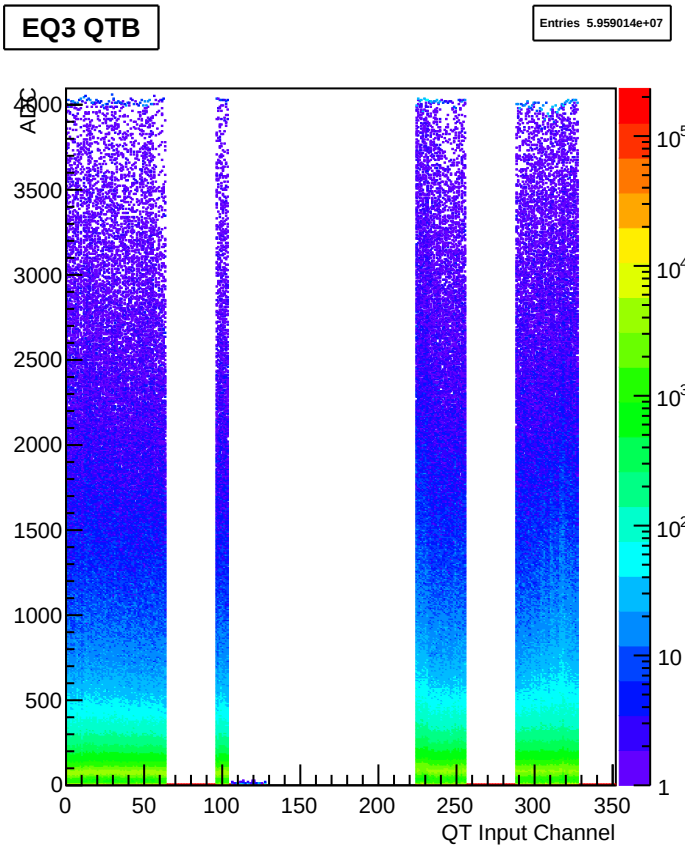

EQ1 QTC
Entries 2.23463e+07
TADC
QT Input Channel

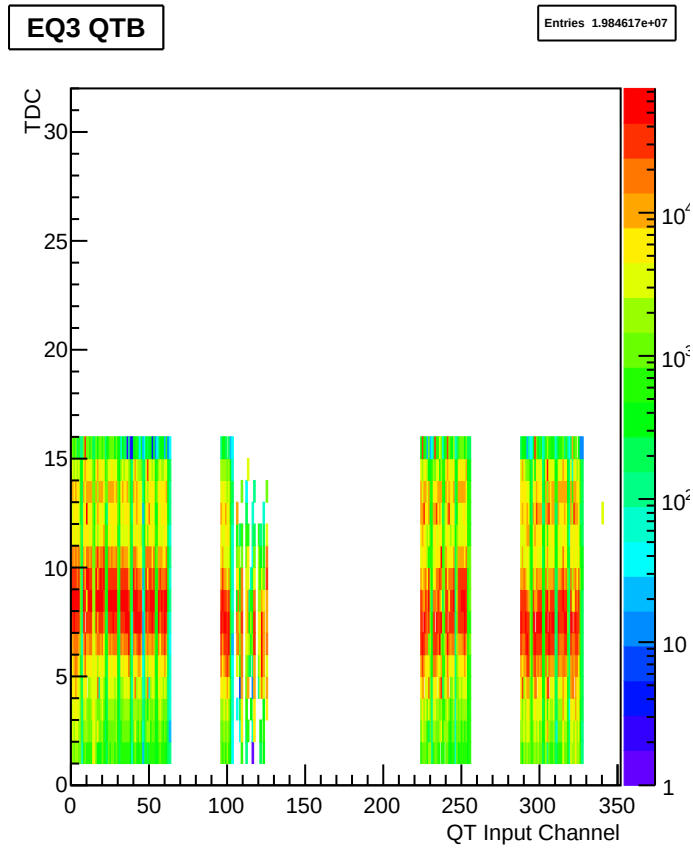

EQ2 QTB
Entries 6.703891e+07
ADC
QT Input Channel

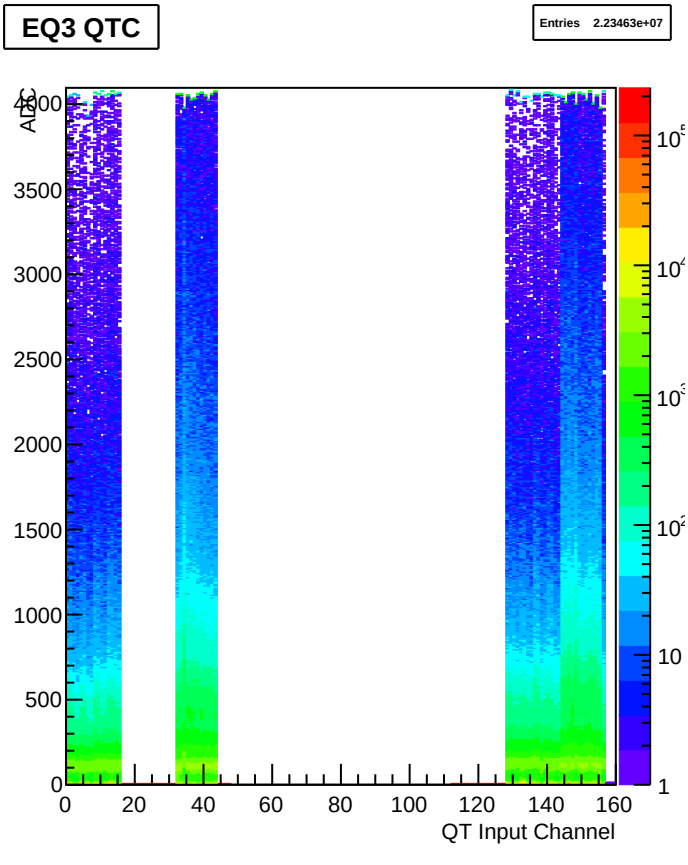

EQ2 QTB
Entries 2.531456e+07
TDC
QT Input Channel

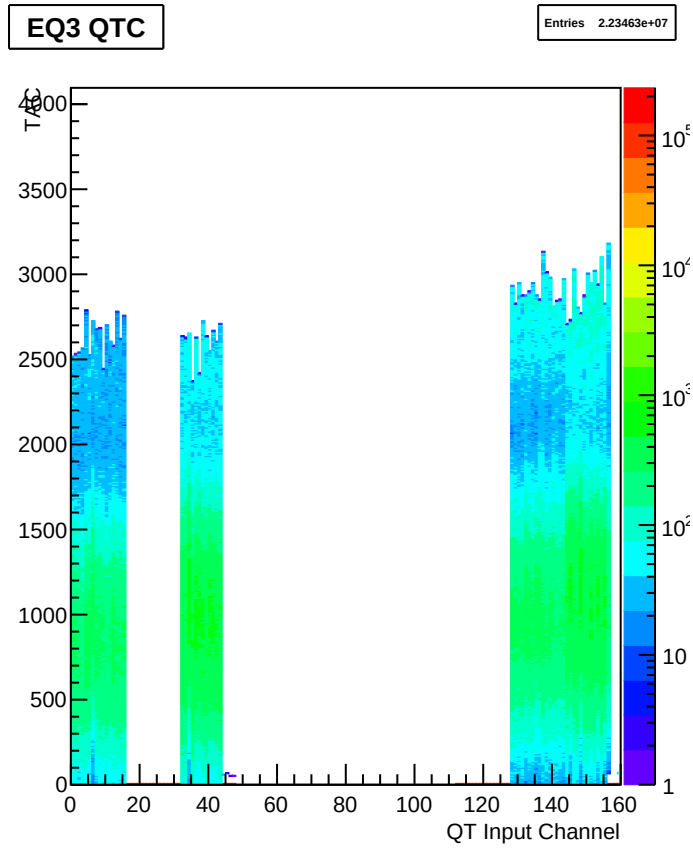

EQ2 QTC
Entries 2.23463e+07
ADC
QT Input Channel

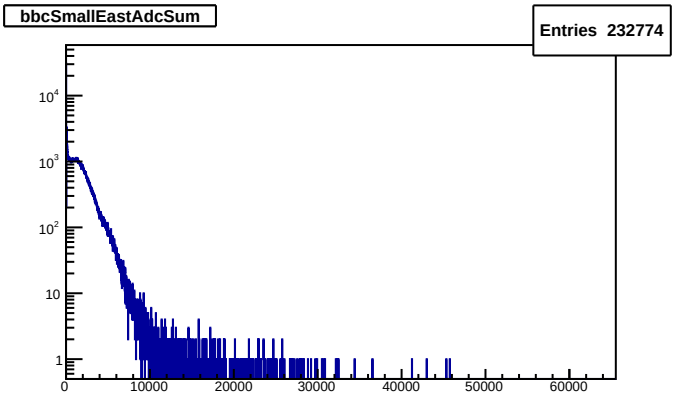

EQ2 QTC
Entries 2.23463e+07
TADC
QT Input Channel

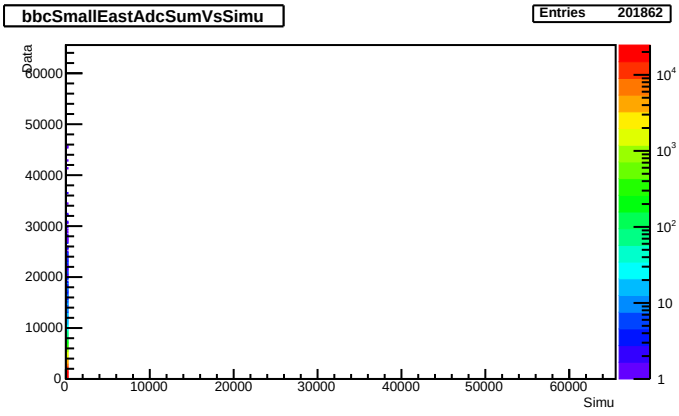

EQ3 QTB
Entries 5.959014e+07
ADC
QT Input Channel

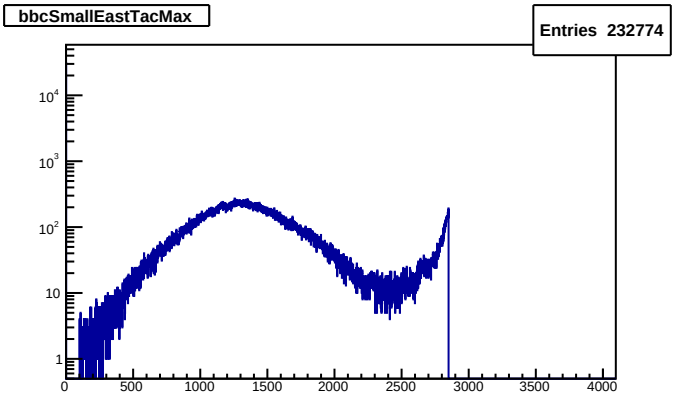

EQ3 QTB
Entries 1.984617e+07
TDC
QT Input Channel

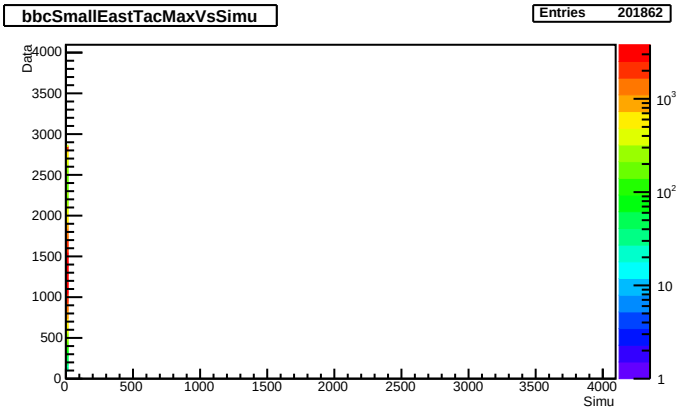

EQ3 QTC
Entries 2.23463e+07
ADC
QT Input Channel

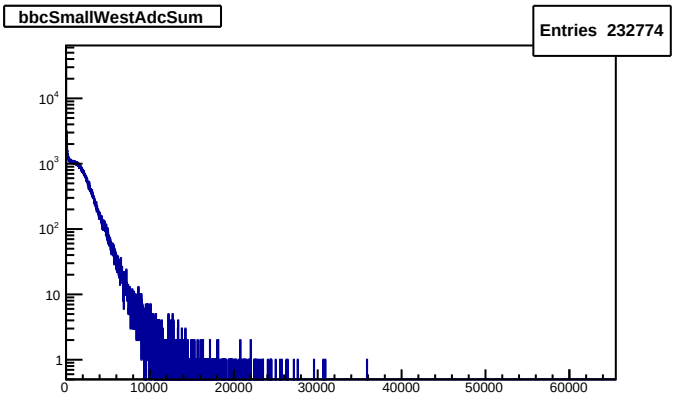

EQ3 QTC
Entries 2.23463e+07
TADC
QT Input Channel

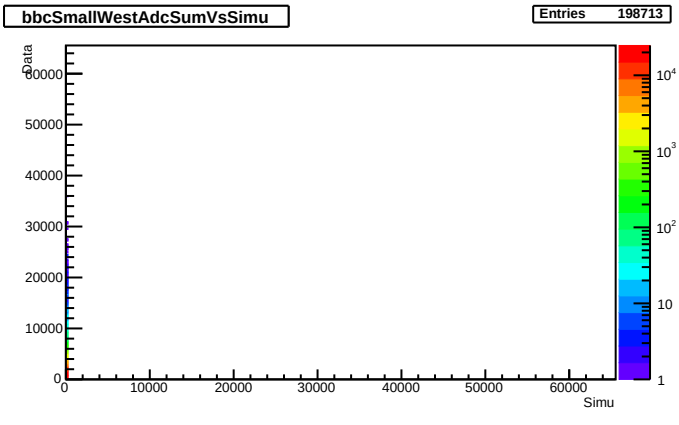

bbcSmallEastAdcSum
Entries 232774


bbcSmallEastAdcSumVsSimu
Entries 201862
Data
Simu


bbcSmallEastTacMax
Entries 232774


bbcSmallEastTacMaxVsSimu
Entries 201862
Data
Simu


bbcSmallWestAdcSum
Entries 232774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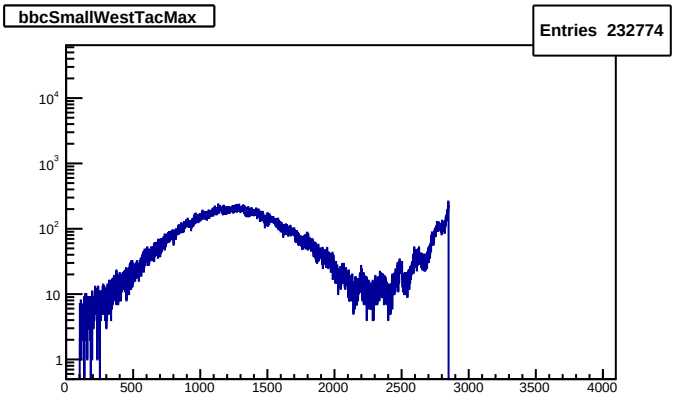
Entries 198713
Data
Simu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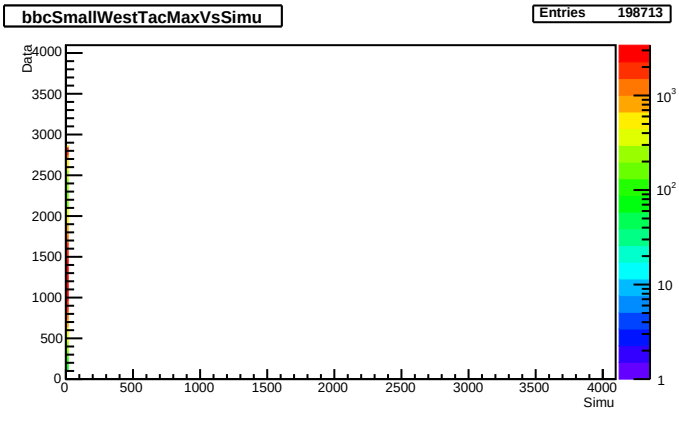
Entries 232774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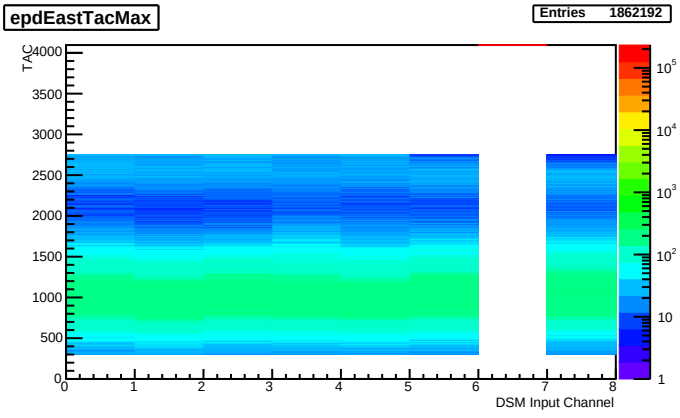
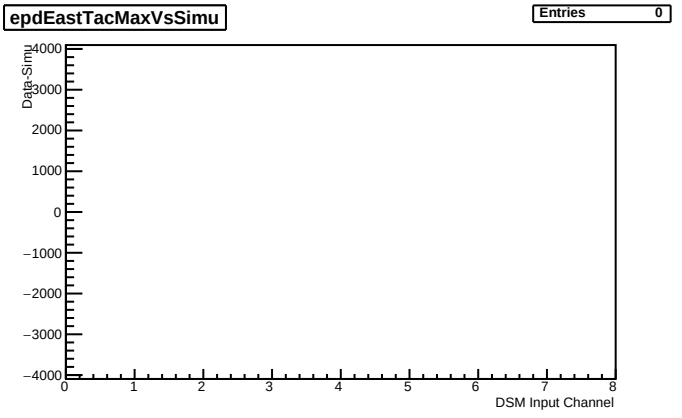
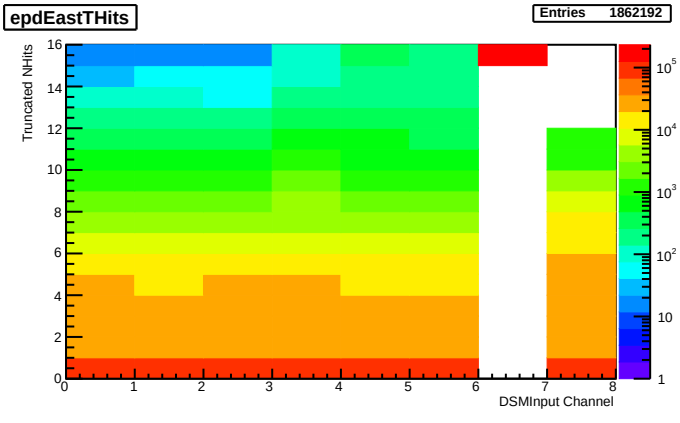
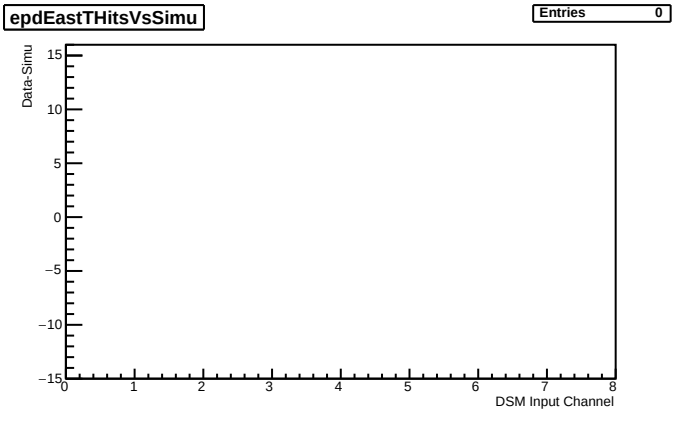
Entries 198713
Data
Simu


epdEastTacMax
Entries 1862192
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1862192
Truncated NHits
DSMInput Channel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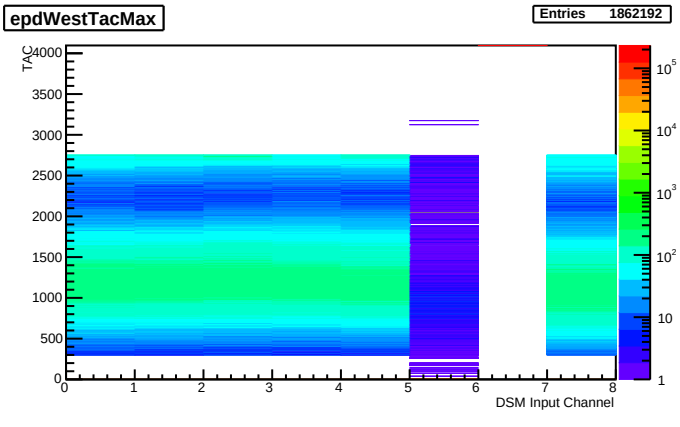
Data-Simu
DSM Input Channel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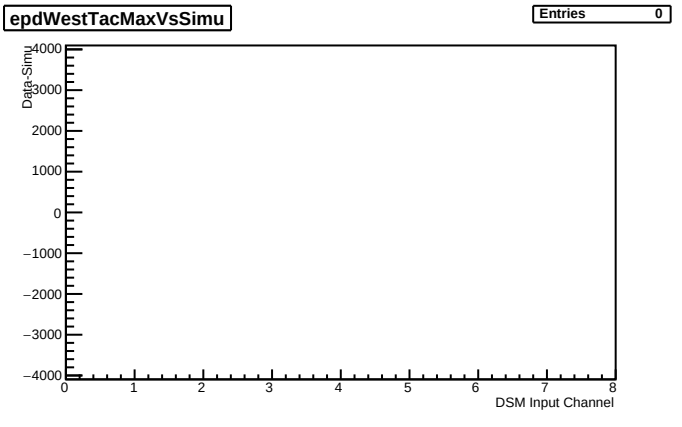
Entries 1862192
TAC
DSM Input Channel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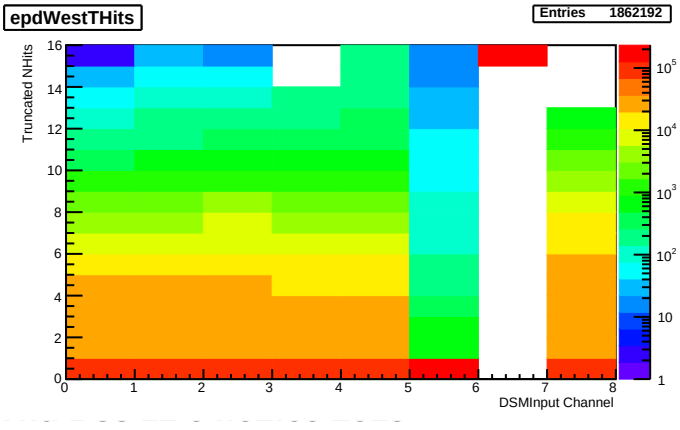
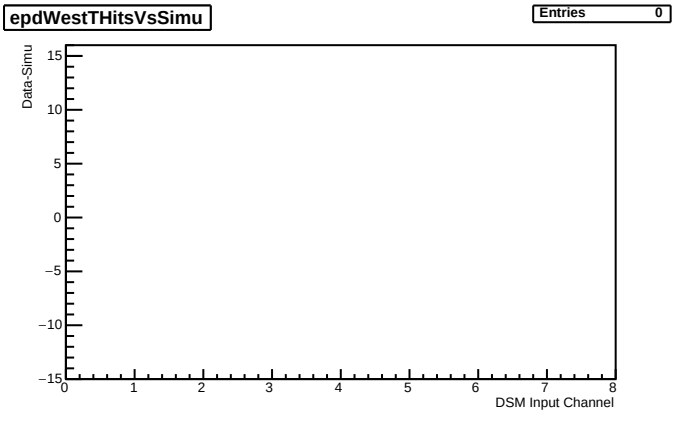
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1862192
Truncated NHits
DSMInput Channel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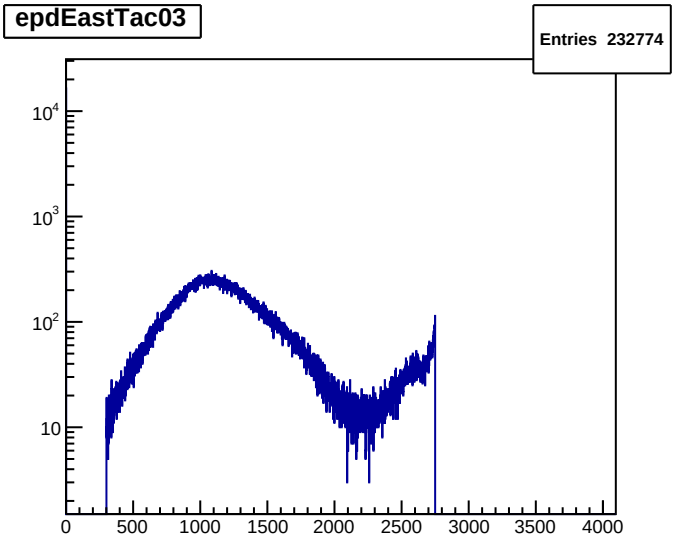
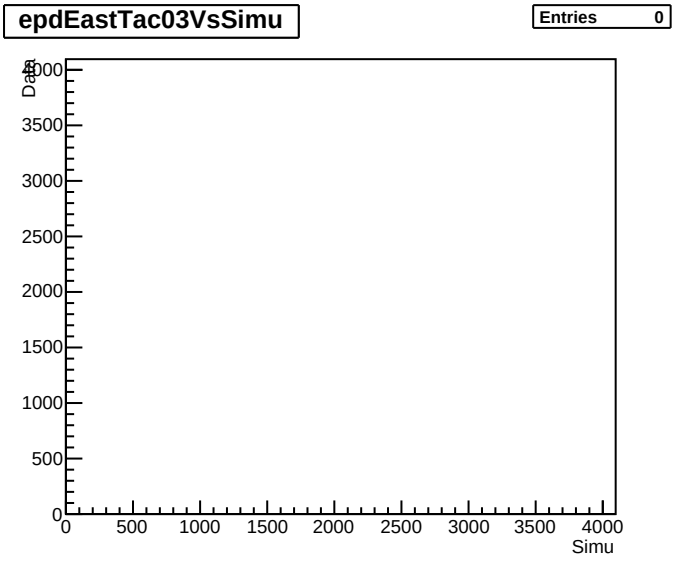
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 232774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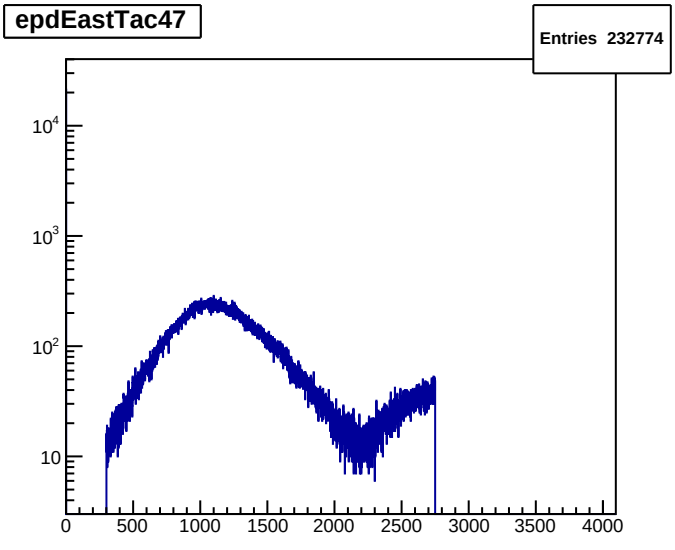
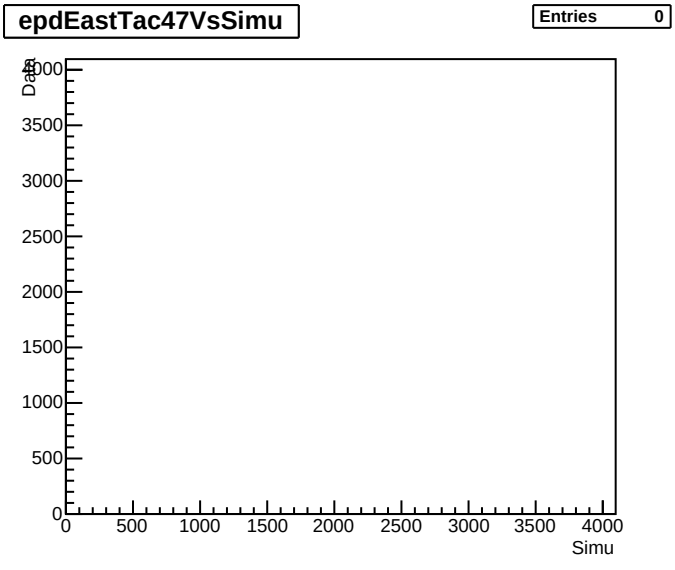
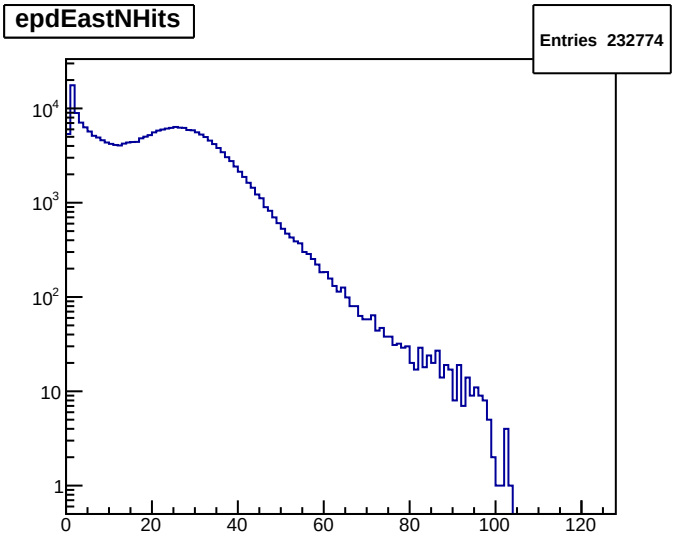
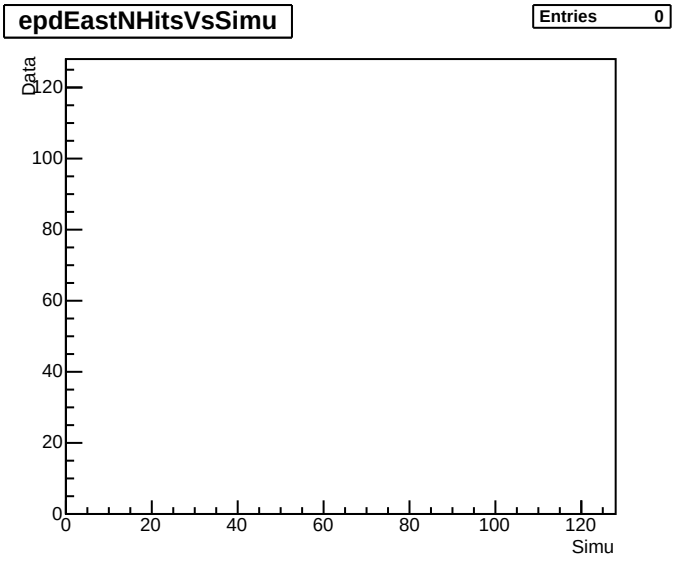
Entries 0
Data
Simu


epdEastTac47
Entries 232774


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 232774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Entries 0
Data
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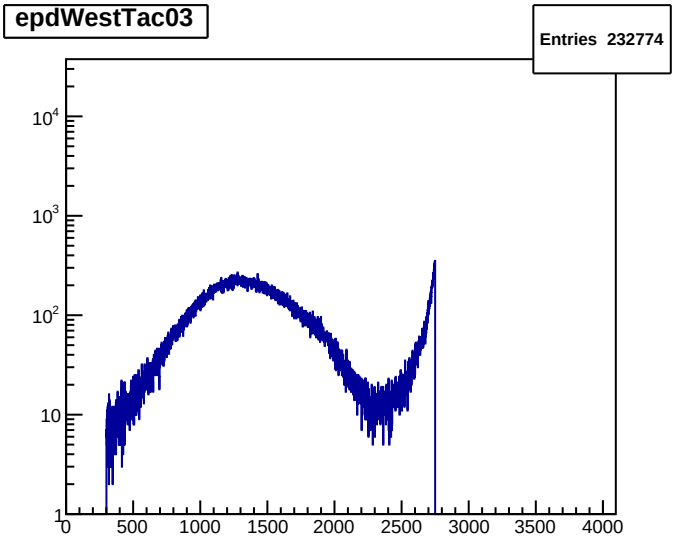
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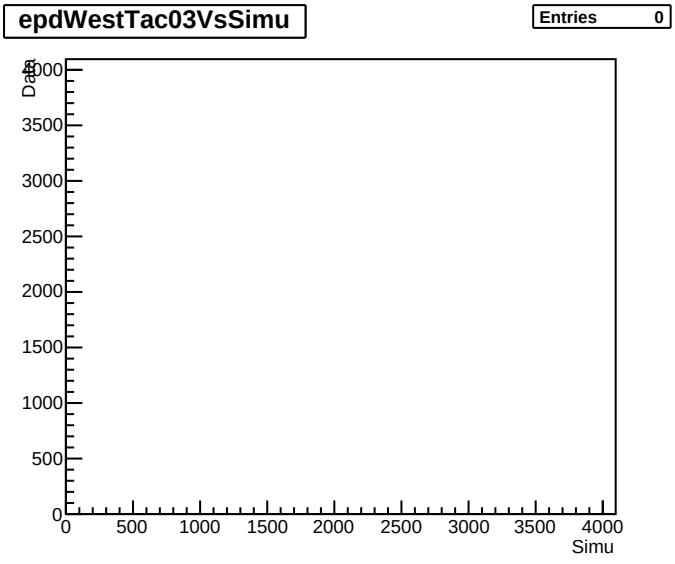
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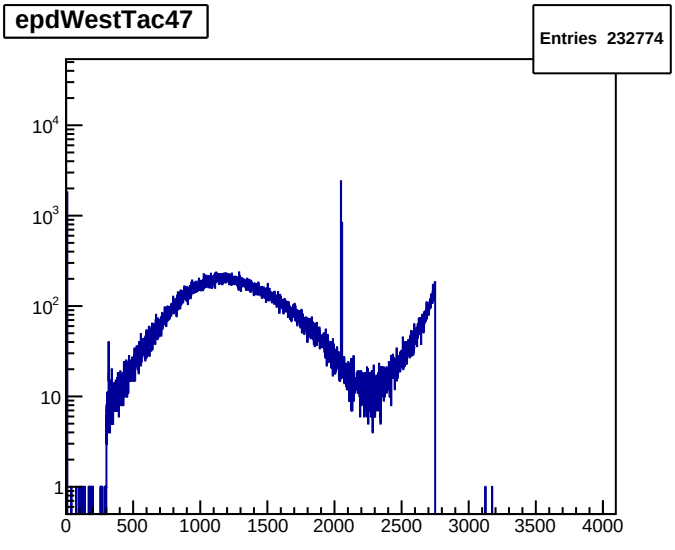
Entries 0
Data
Simu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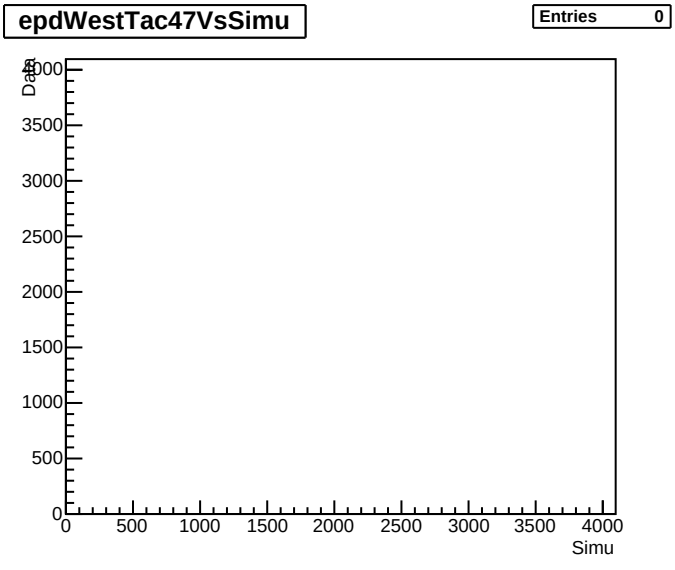
Entries 232774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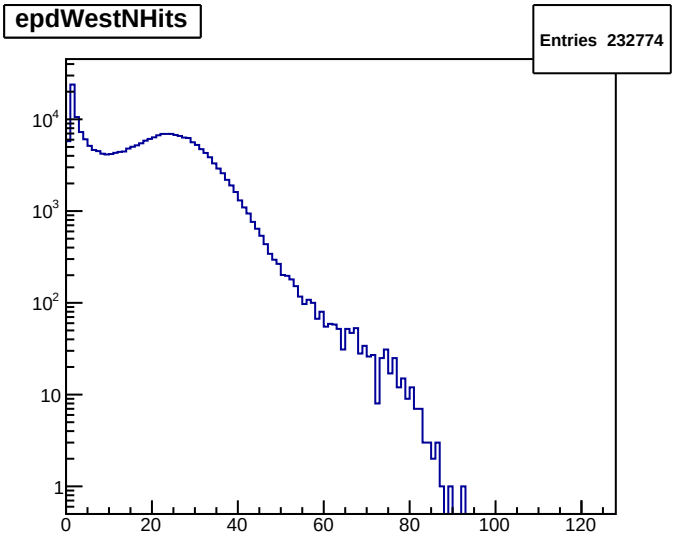
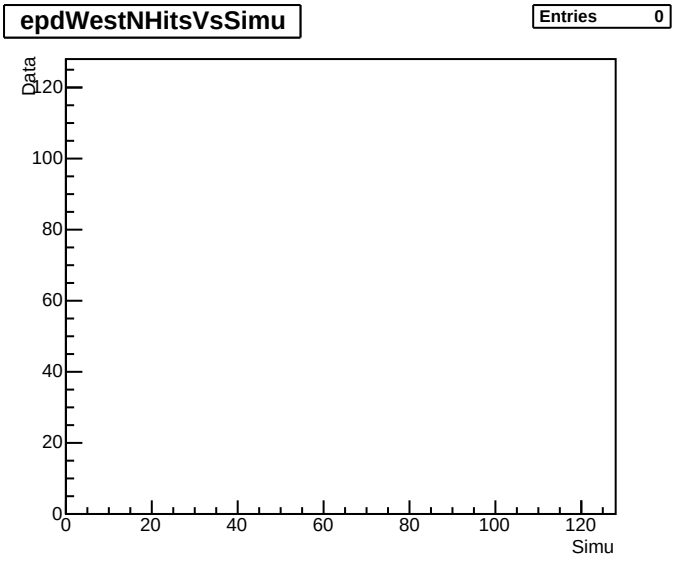
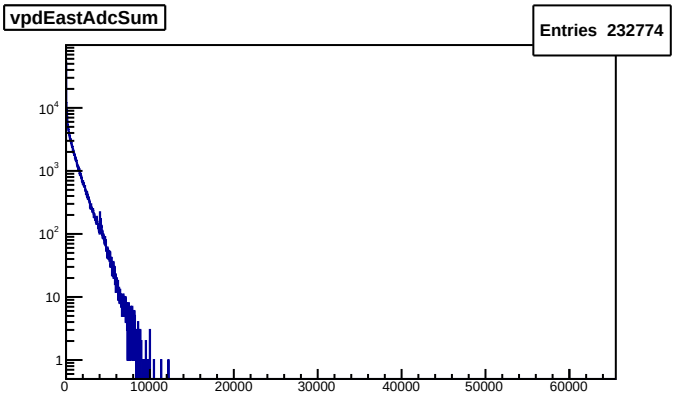
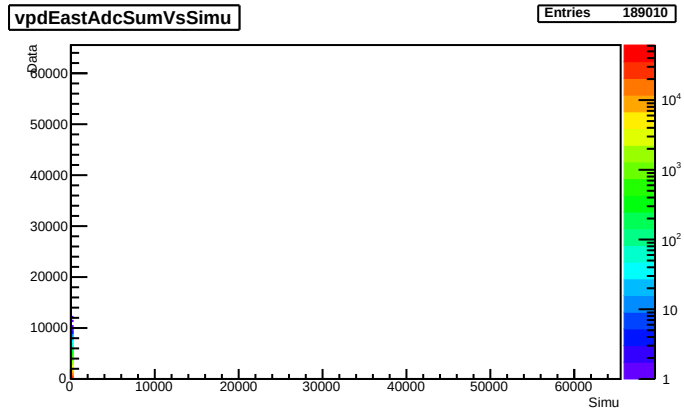
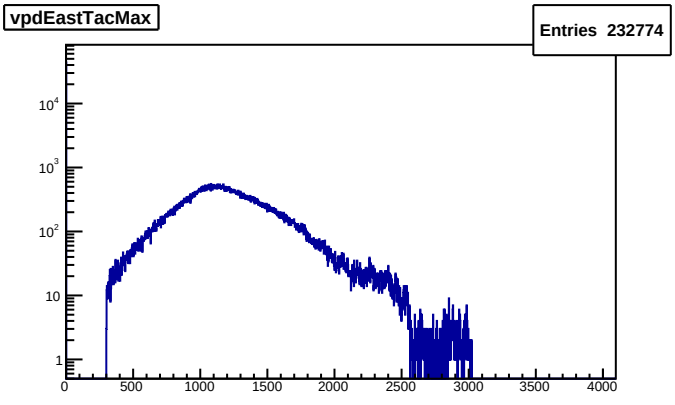
Entries 0
Data
Simu

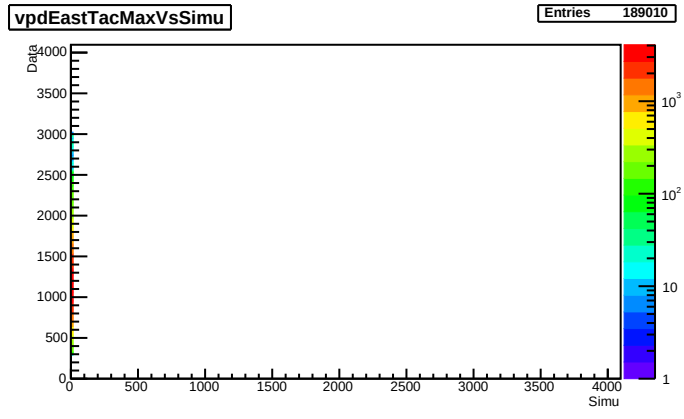

epdWestNHits
Entries 232774

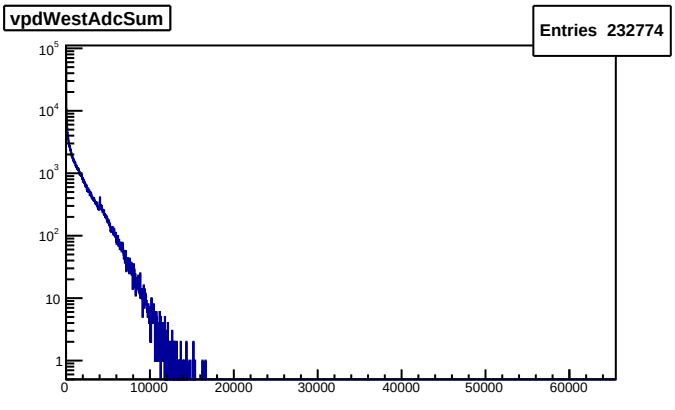

epdWestNHitsVsSimu
Entries 0
Data
Simu

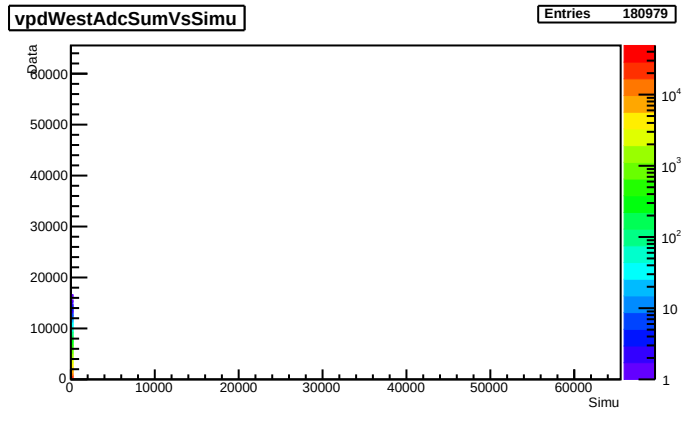

vpdEastAdcSum
Entries 232774

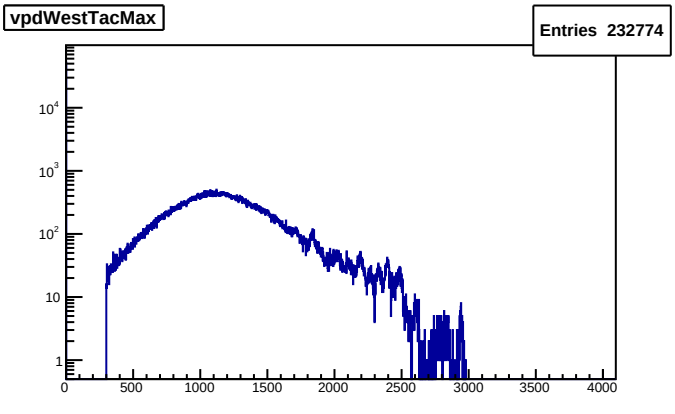

vpdEastAdcSumVsSimu
Entries 189010
Data
Simu

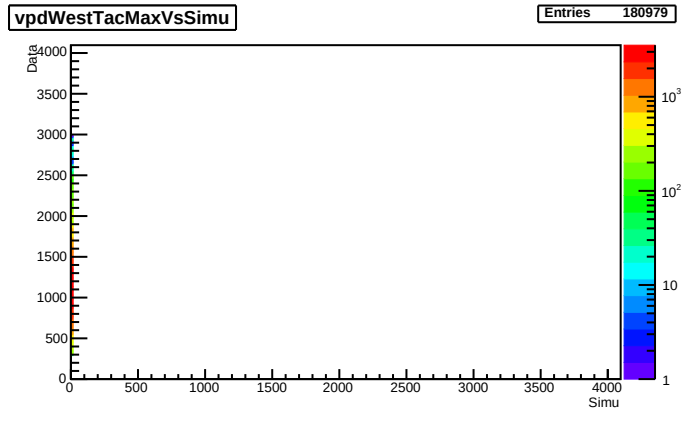

vpdEastTacMax
Entries 232774

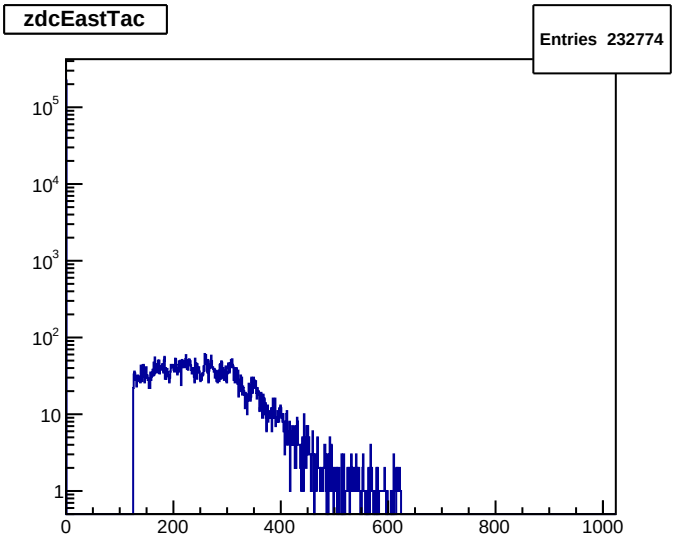

vpdEastTacMaxVsSimu
Entries 189010
Data
Simu

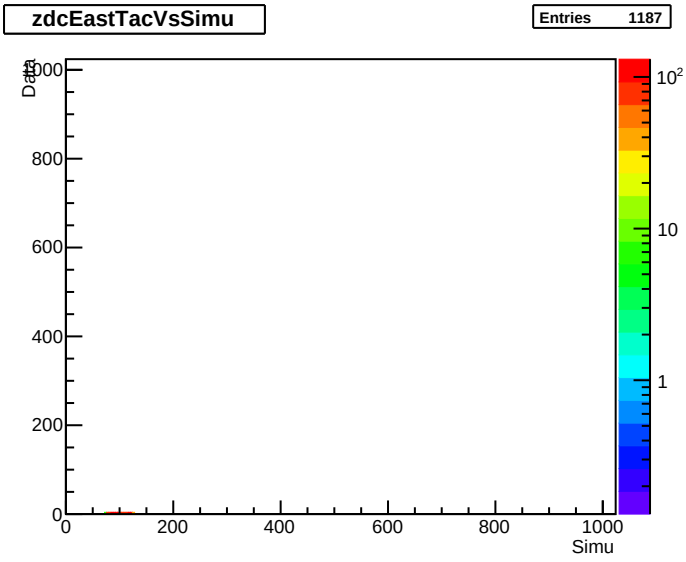

vpdWestAdcSum
Entries 232774

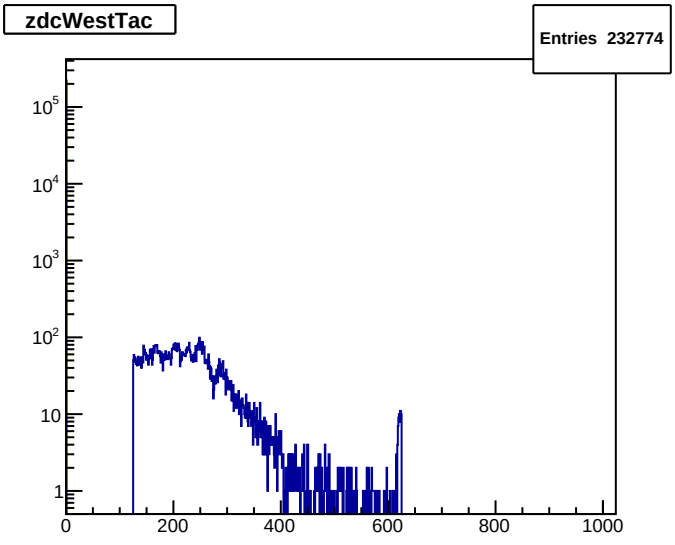

vpdWestAdcSumVsSimu
Entries 180979
Data
Simu

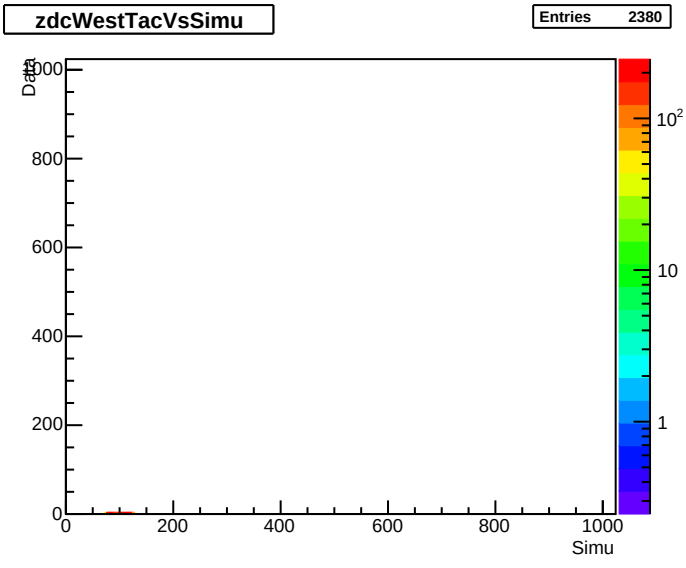

vpdWestTacMax
Entries 232774

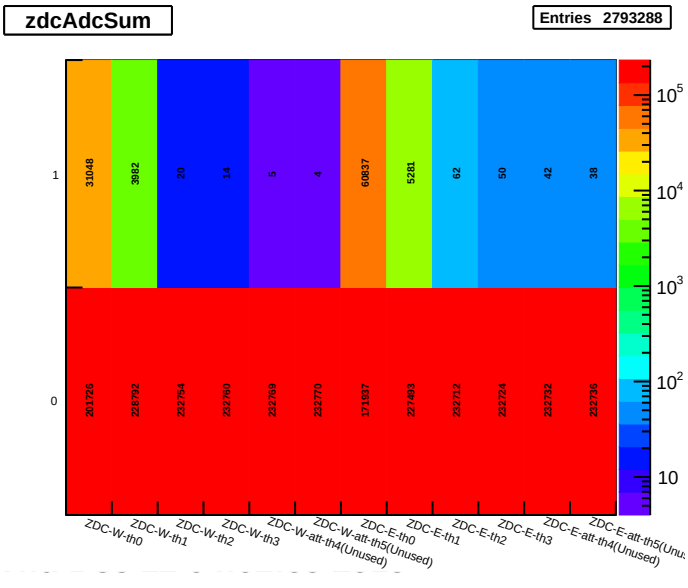

vpdWestTacMaxVsSimu
Entries 180979
Data
Simu

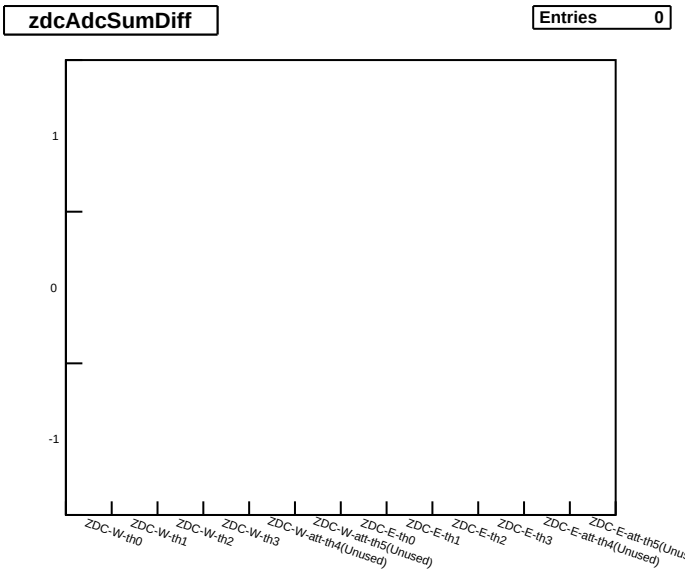

zdcEastTac
Entries 232774

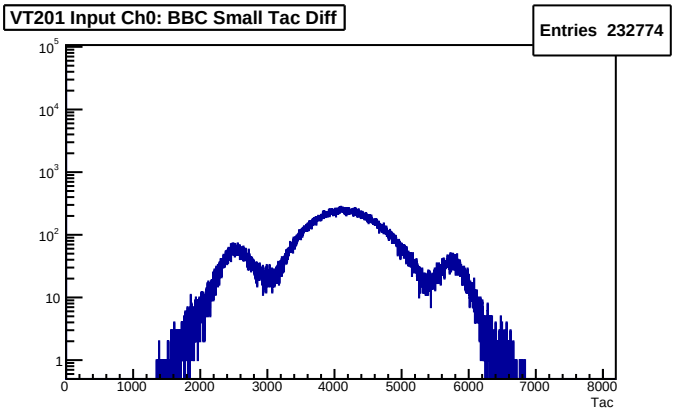

zdcEastTacVsSimu
Entries 1187
Data
Simu

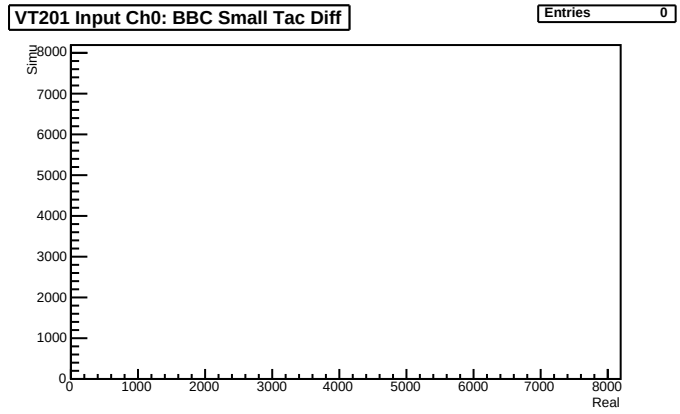

zdcWestTac
Entries 232774

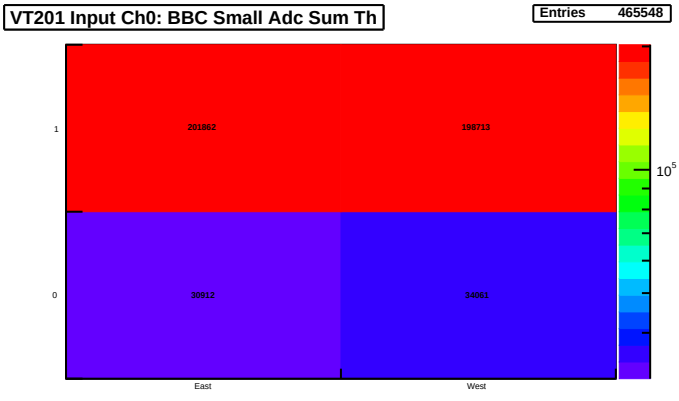

zdcWestTacVsSimu
Entries 2380
Data
Simu

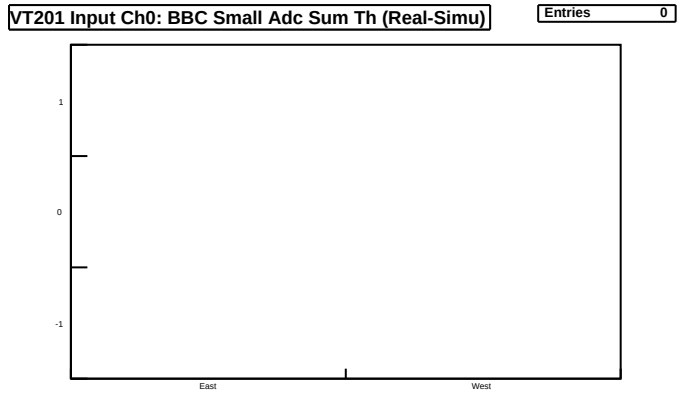

zdcAdcSum
Entries 2793288
31048
3982
20
14
5
4
60837
5281
62
50
42
38
201726
228702
232754
232760
232769
232770
171937
227493
232712
232724
232732
232736
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

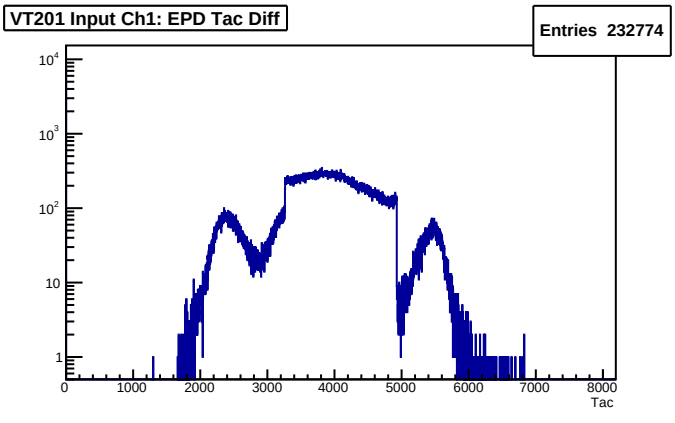

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

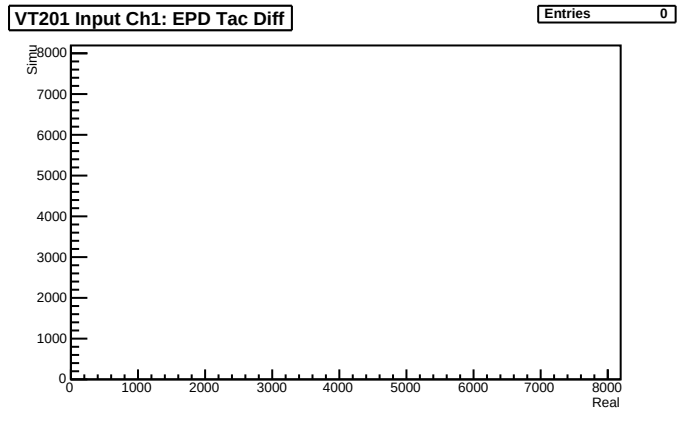

VT201 Input Ch0: BBC Small Tac Diff
Entries 232774
Tac

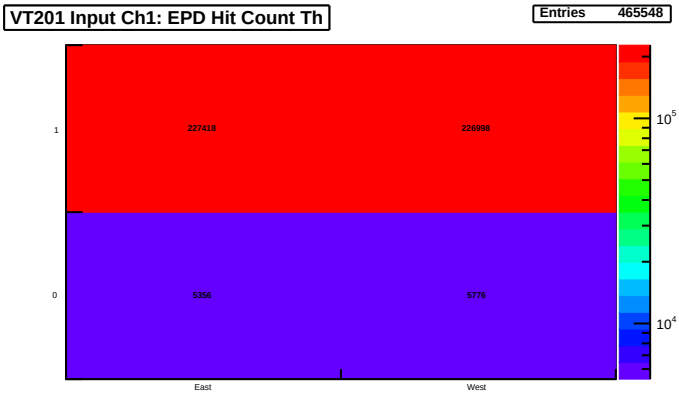

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

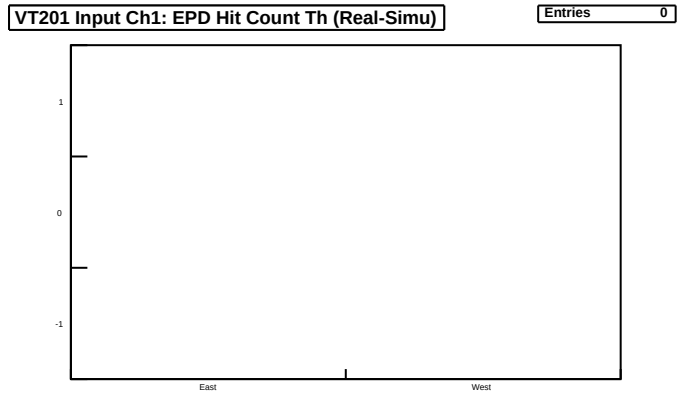

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 465548
201862
198713
30912
34061
East
West

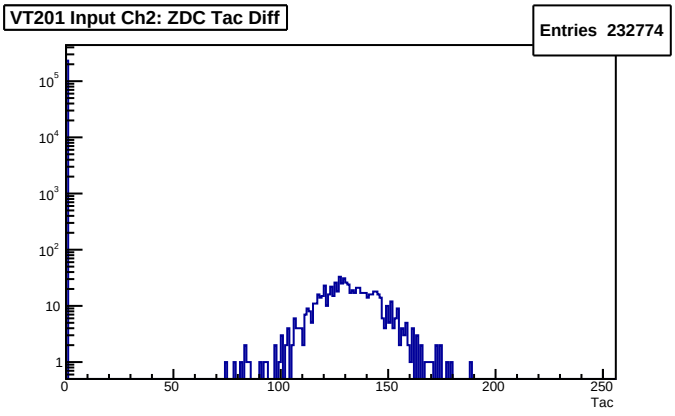

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

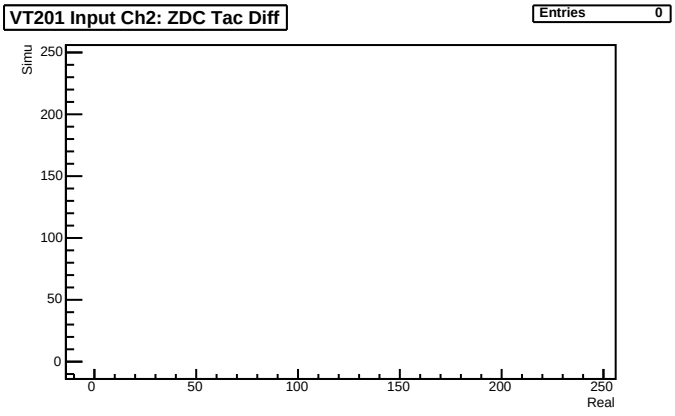

VT201 Input Ch1: EPD Tac Diff
Entries 232774
Tac

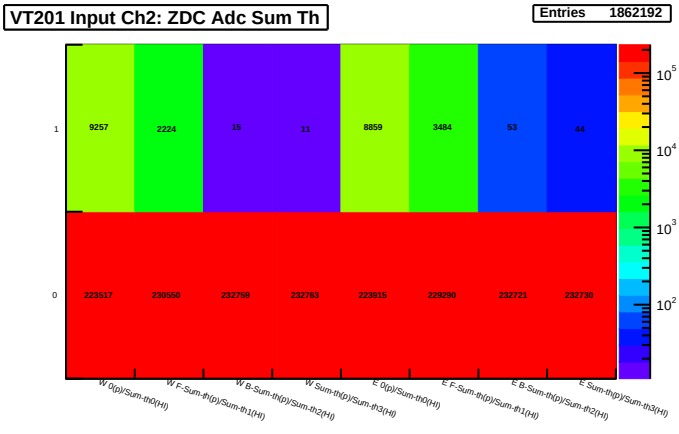

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

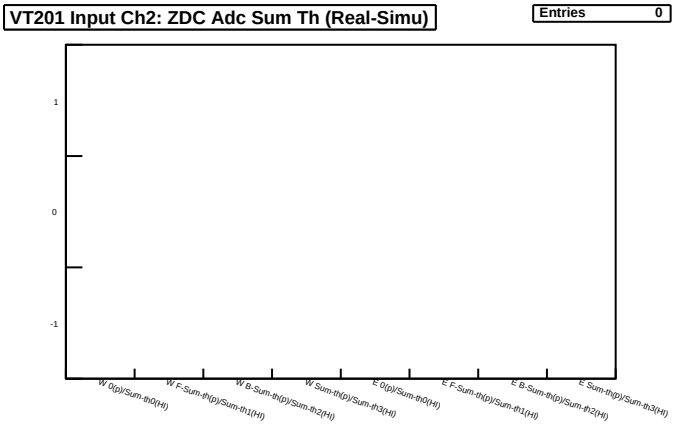

VT201 Input Ch1: EPD Hit Count Th
Entries 465548
227418
220998
5356
5776
East
West

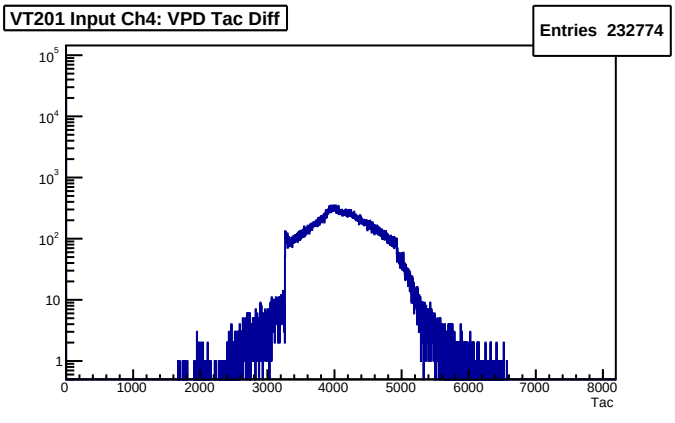

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

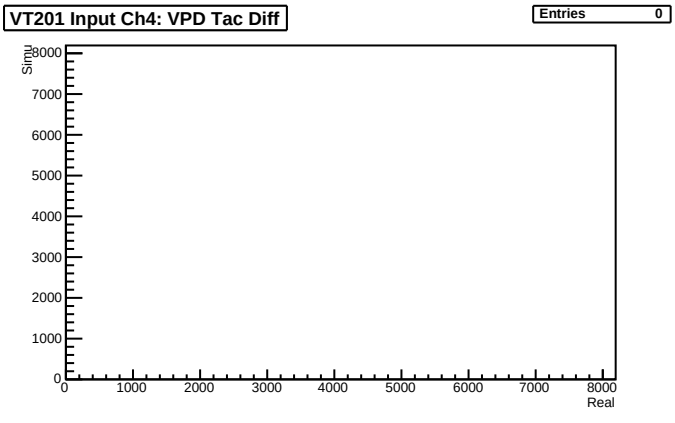

VT201 Input Ch2: ZDC Tac Diff
Entries 232774
Tac

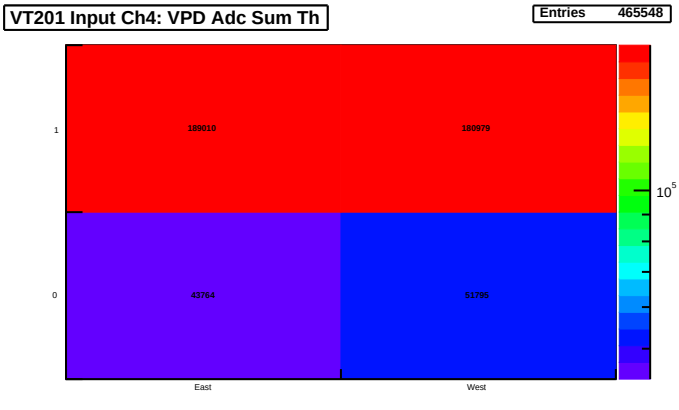

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

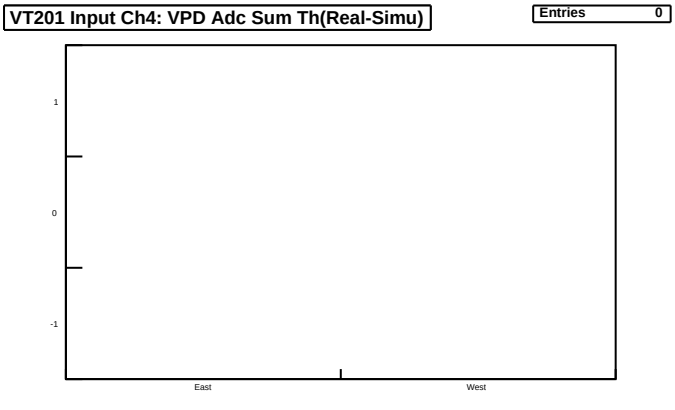

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1862192
9257
2224
15
11
8859
3484
53
44
223517
230550
232759
232763
223915
229290
232721
232730
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

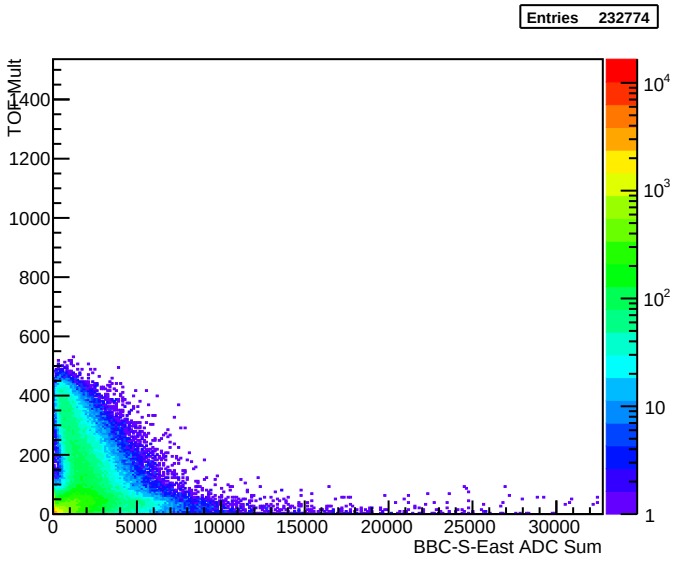

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

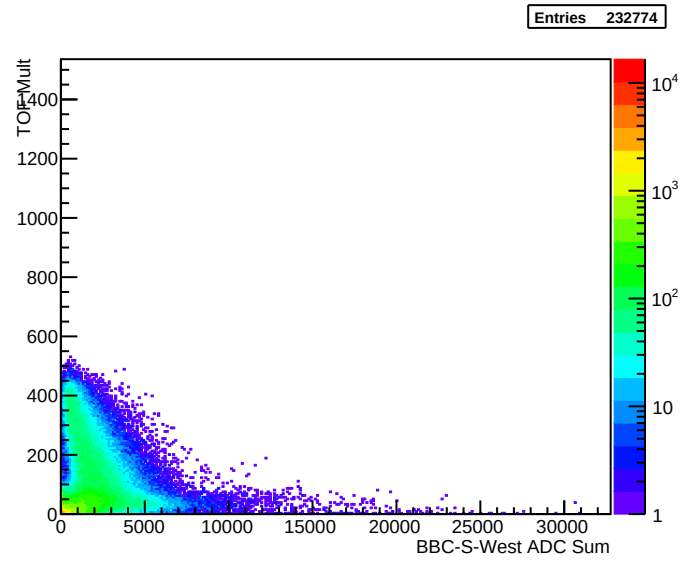

VT201 Input Ch4: VPD Tac Diff
Entries 232774
Tac

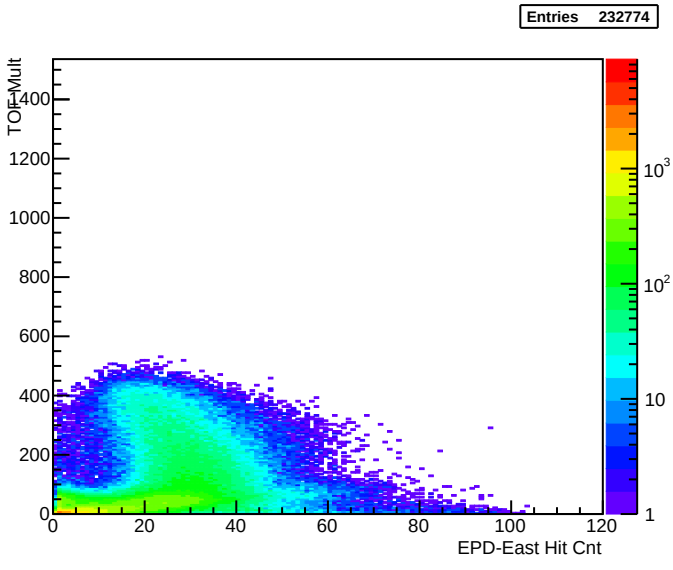

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

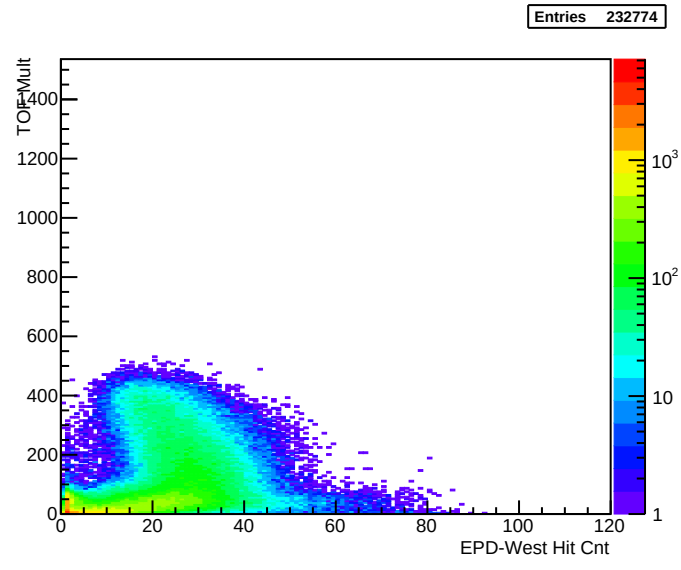

VT201 Input Ch4: VPD Adc Sum Th
Entries 465548
189010
180979
43764
51795
East
West

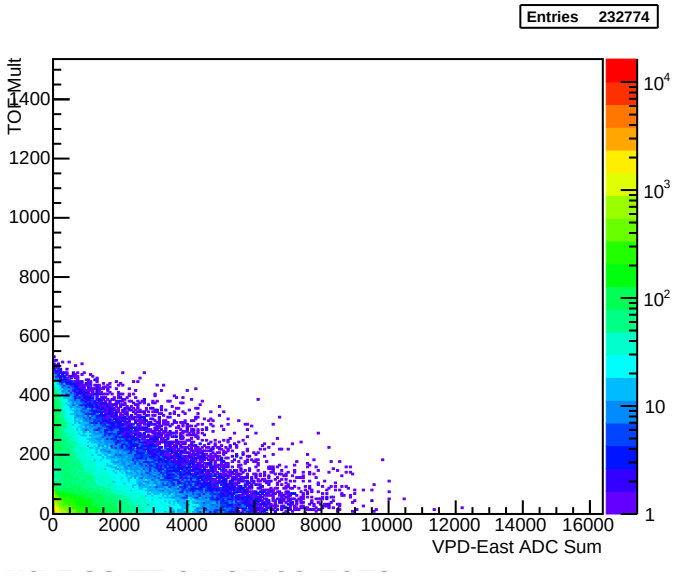

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

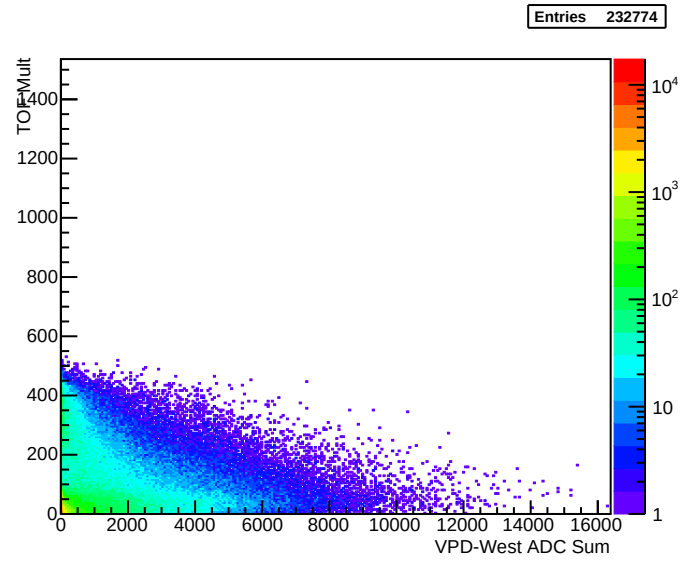

Entries 232774
TOF-Mult
BBC-S-East ADC Sum

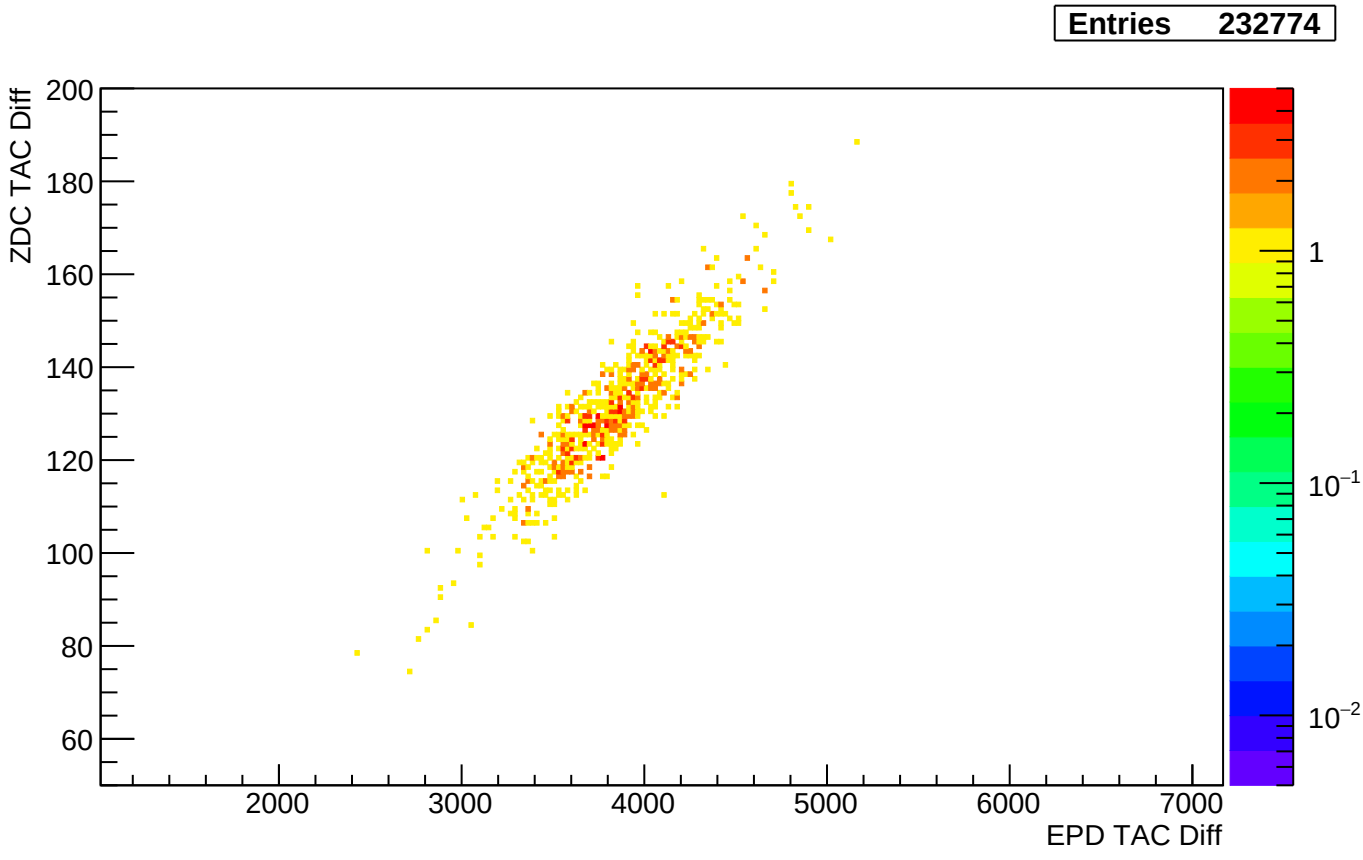

Entries 232774
TOF-Mult
BBC-S-West ADC Sum

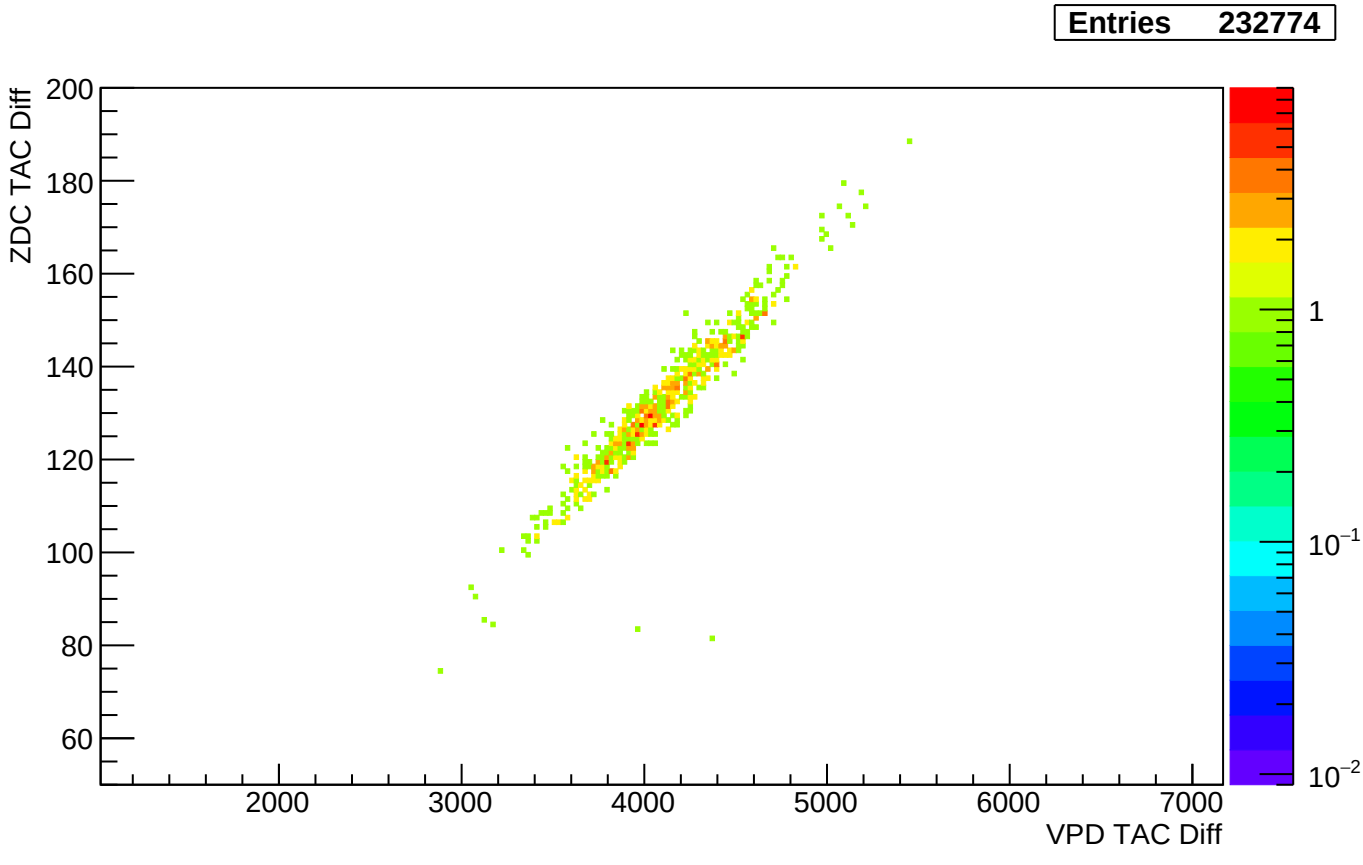

Entries 232774
TOF-Mult
EPD-East Hit Cnt

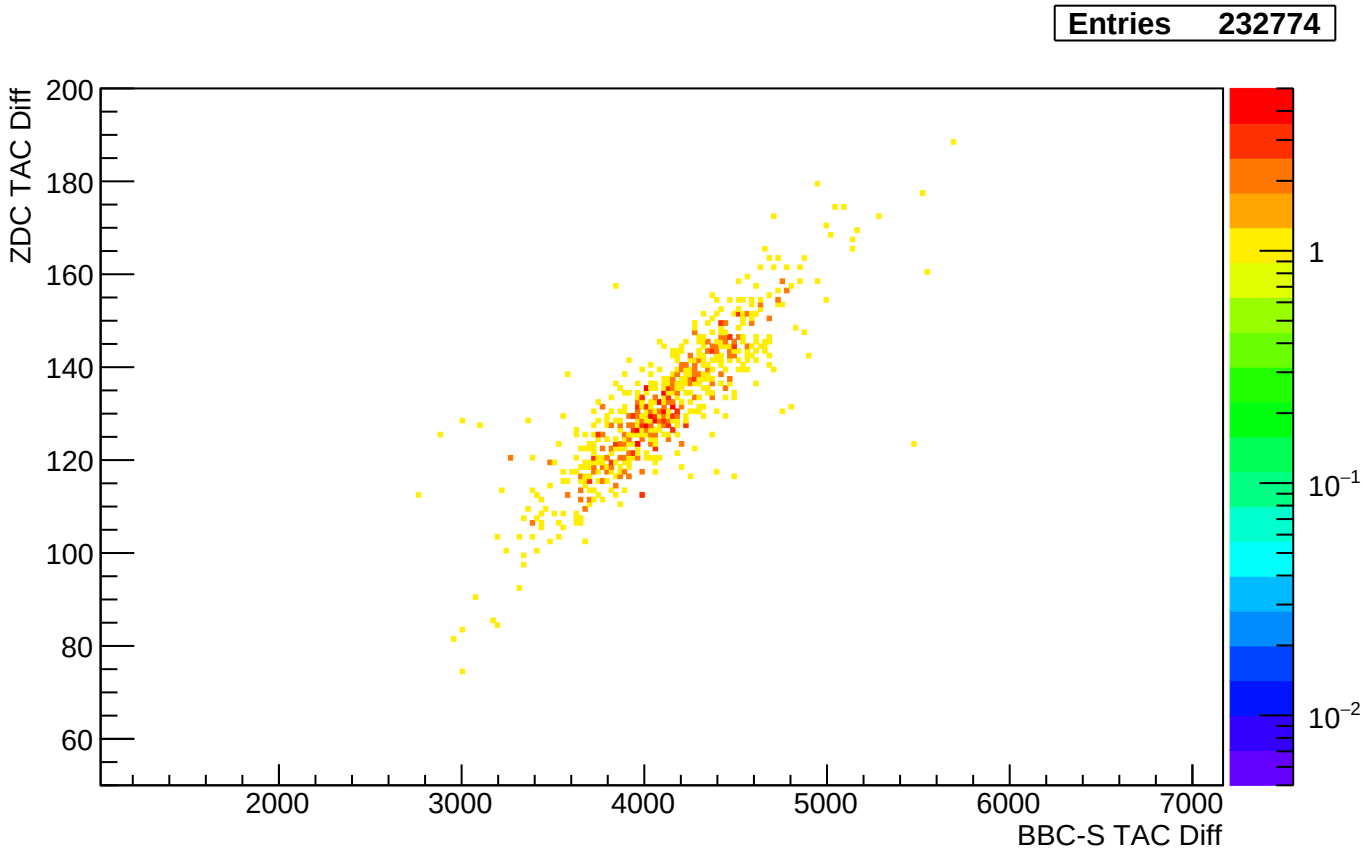

Entries 232774
TOF-Mult
EPD-West Hit Cnt

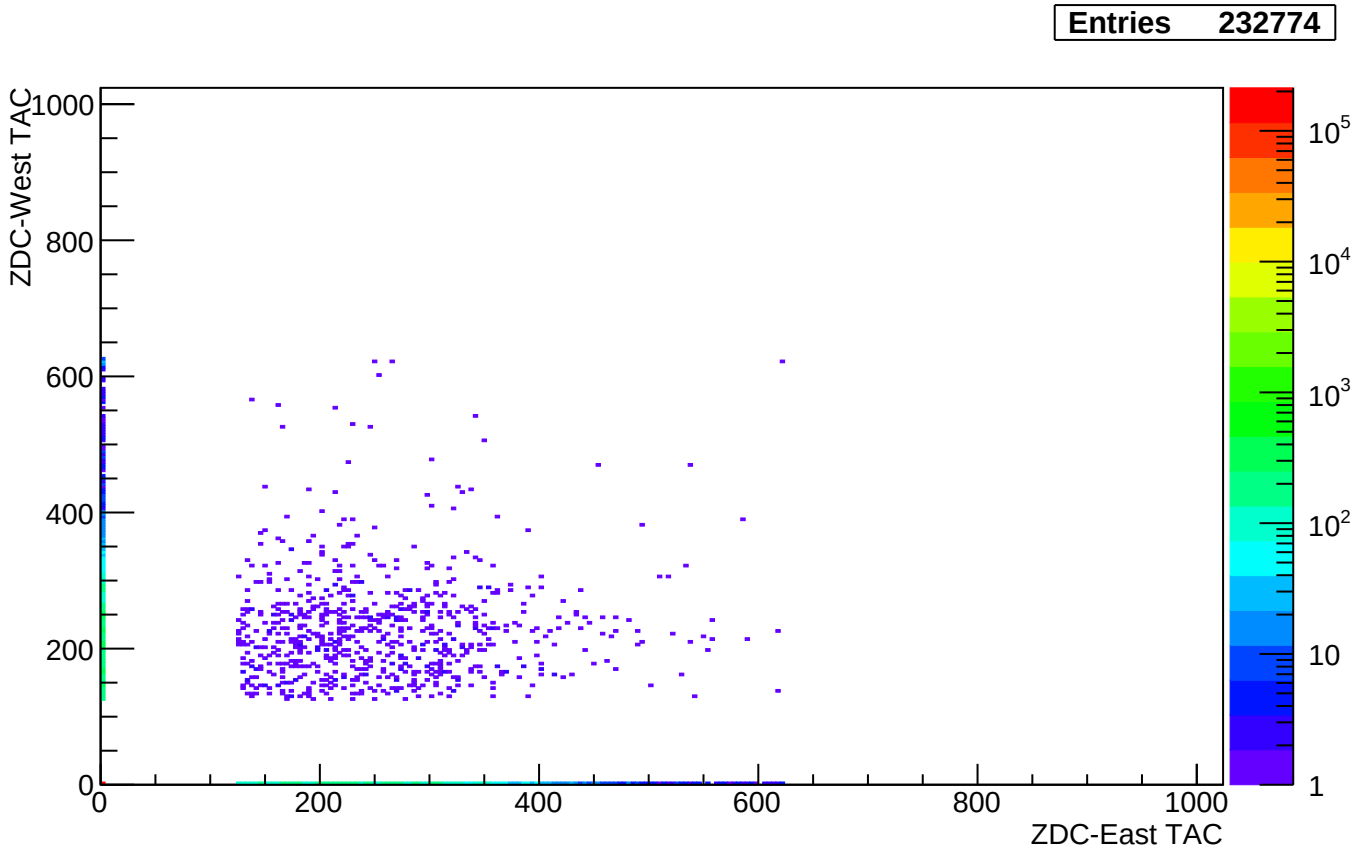

Entries 232774
TOF-Mult
VPD-East ADC Sum

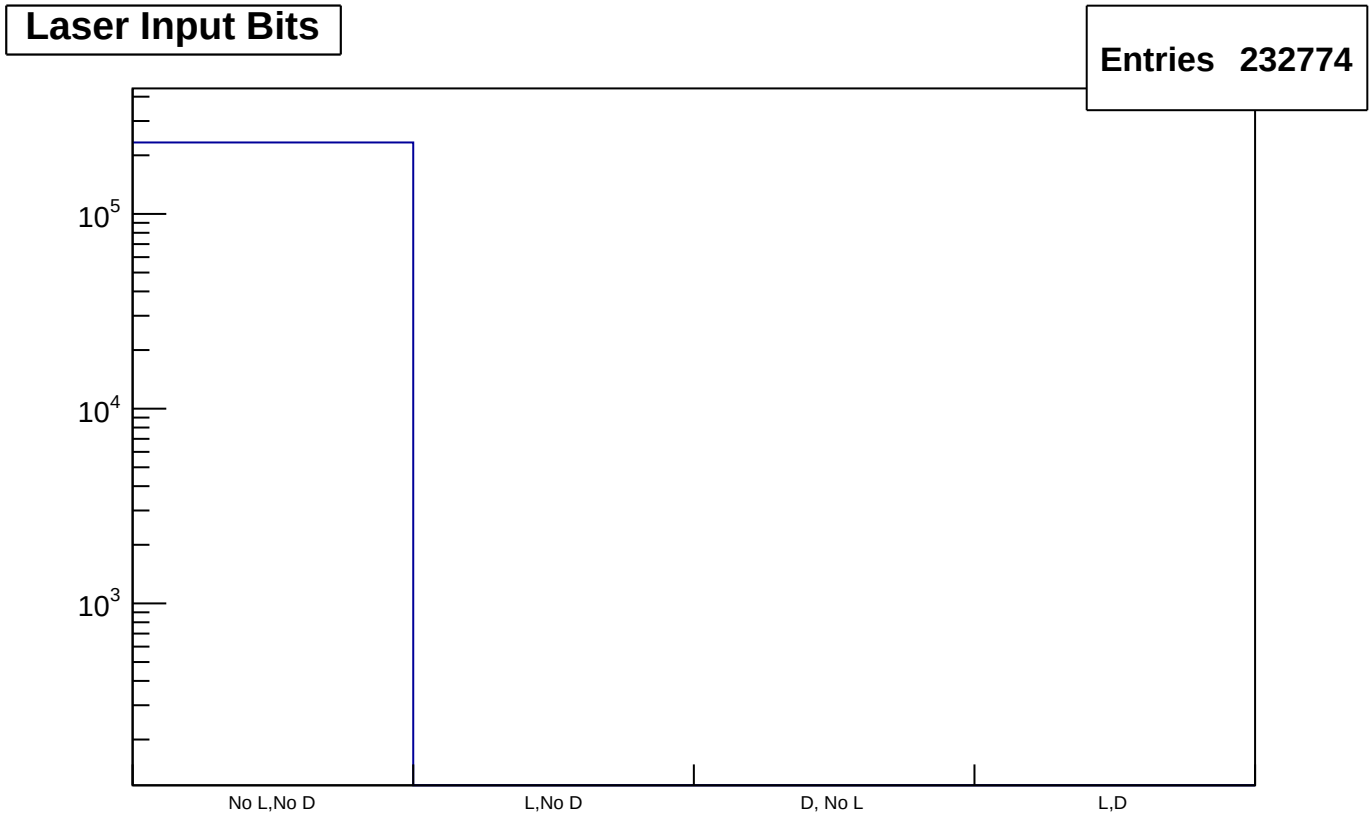

Entries 232774
TOF-Mult
VPD-West ADC Sum

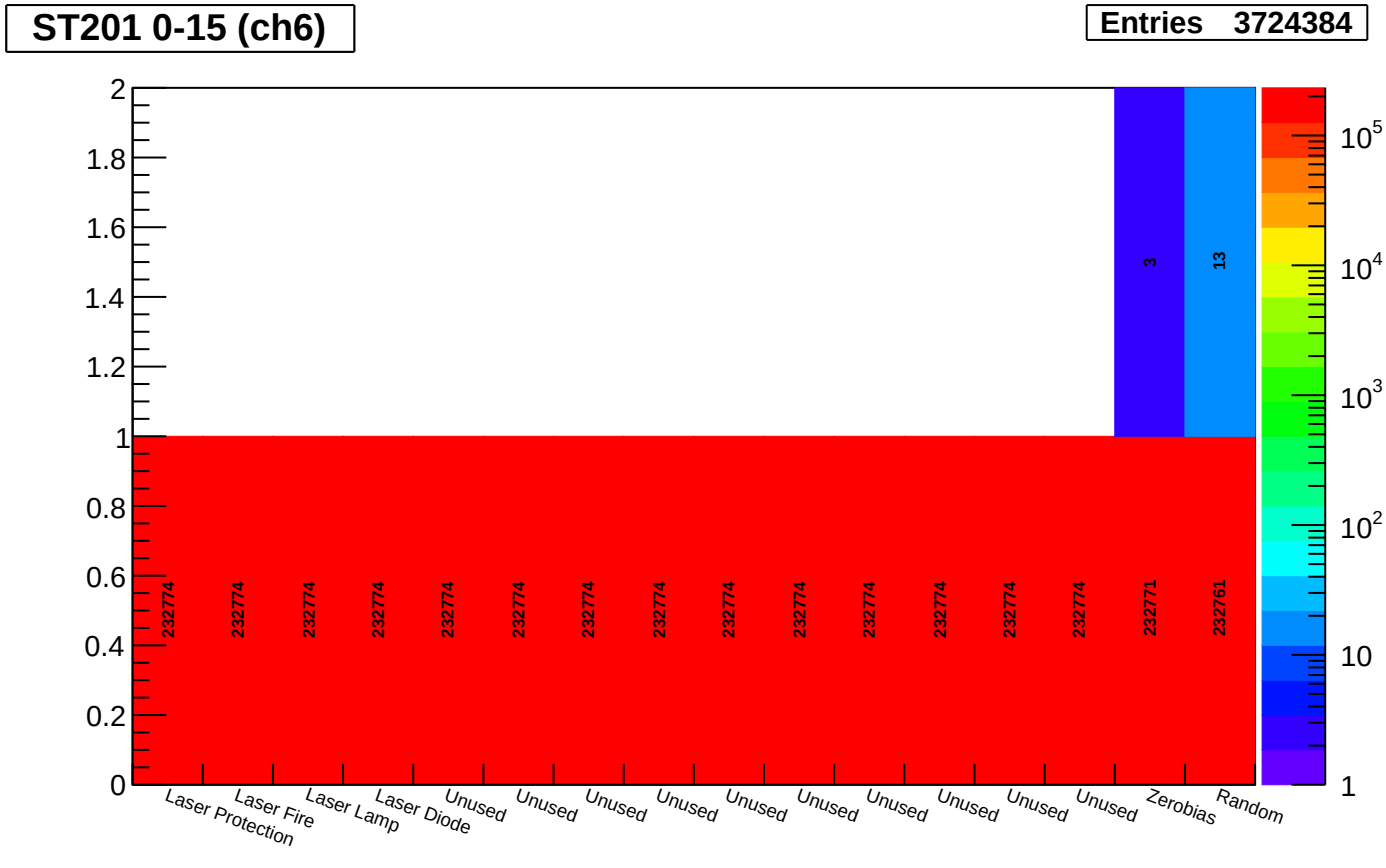

Entries 232774
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

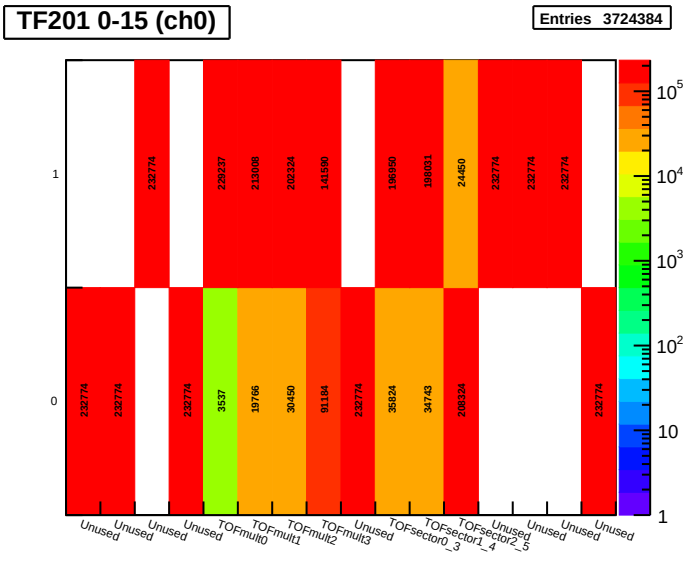

Entries 232774
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

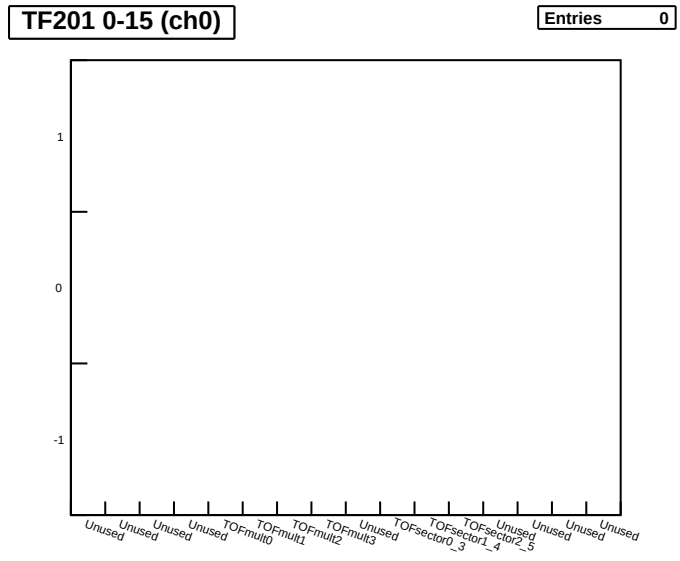

Entries 232774
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

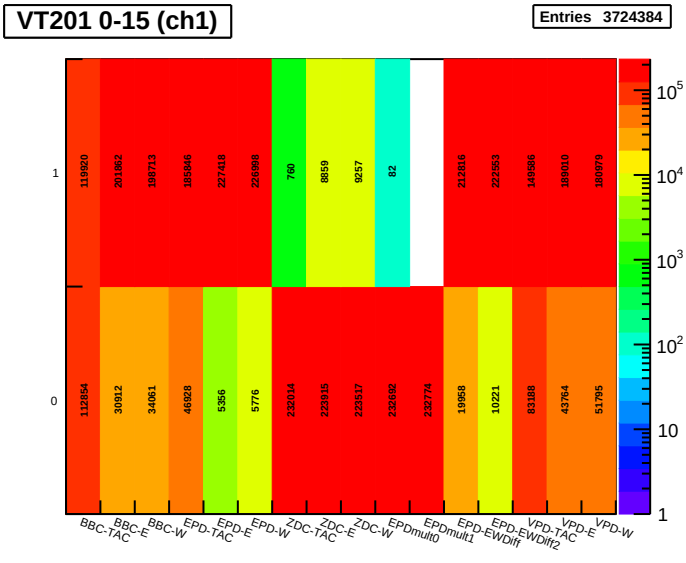

Entries 232774
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

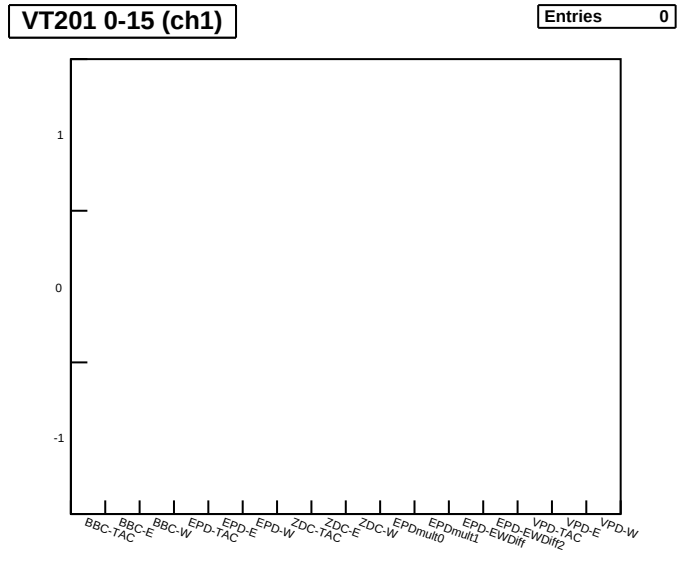

Laser Input Bits
Entries 232774
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

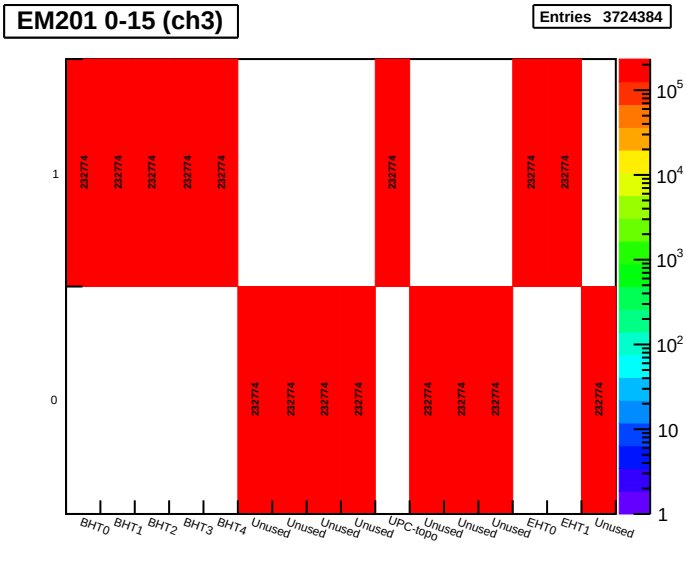

ST201 0-15 (ch6)
Entries 3724384
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232771
232761
3
13
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

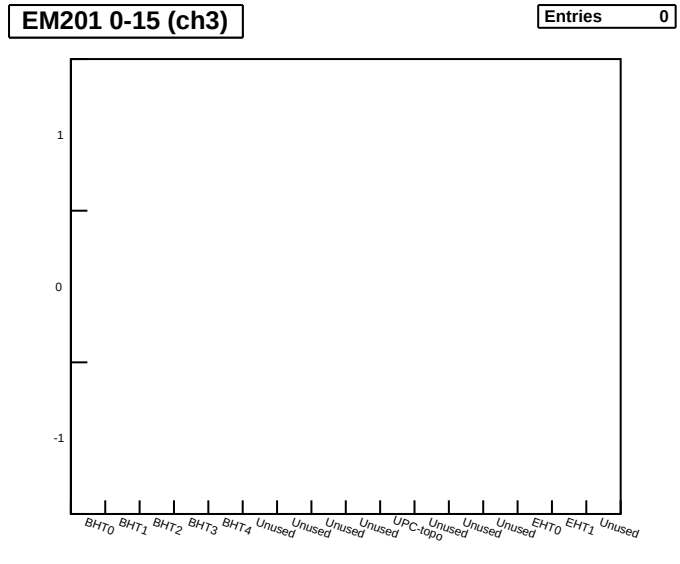

TF201 0-15 (ch0)
Entries 3724384
1
0
232774
229237
213008
202324
141590
186950
198031
24450
232774
232774
232774
232774
232774
232774
3537
19766
30450
91184
232774
35824
34743
208334
232774
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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


VT201 0-15 (ch1)
Entries 3724384
1
0
119920
201852
198713
185846
227418
226998
760
8859
9257
82
212816
222553
149586
189010
189979
112854
30912
34061
46928
5356
5776
223014
223915
223517
232692
232774
19958
10221
83188
43764
51795
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 3724384
1
0
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
232774
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