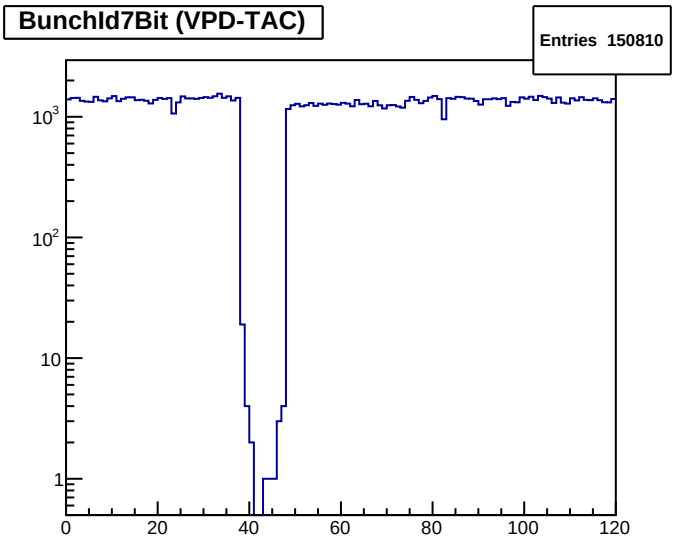
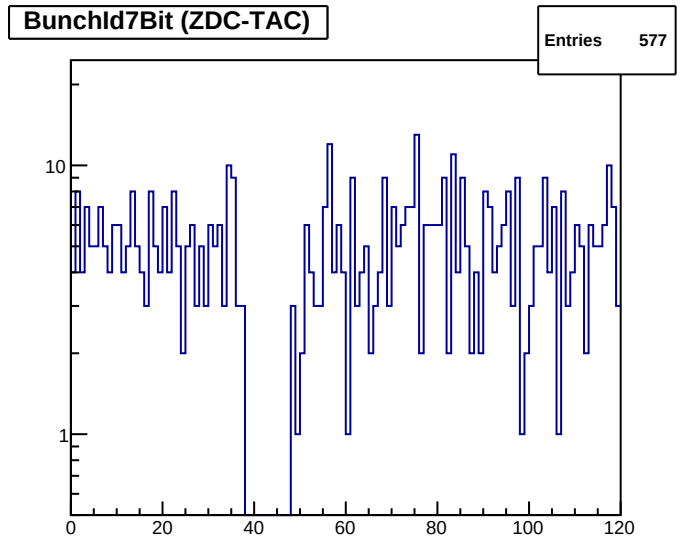
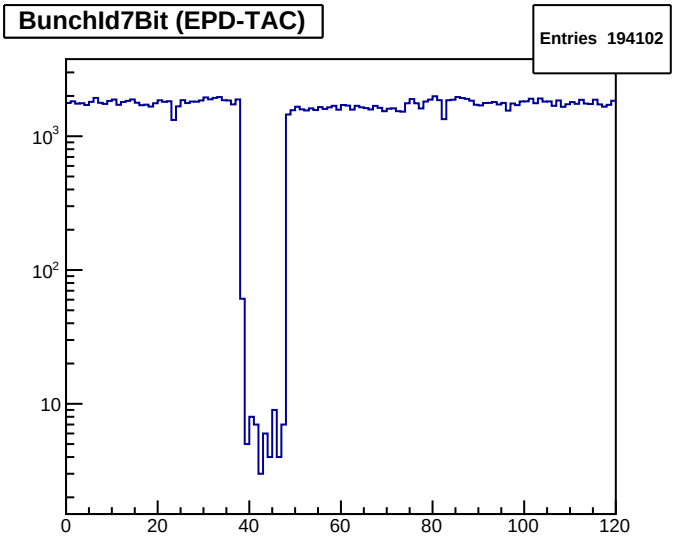
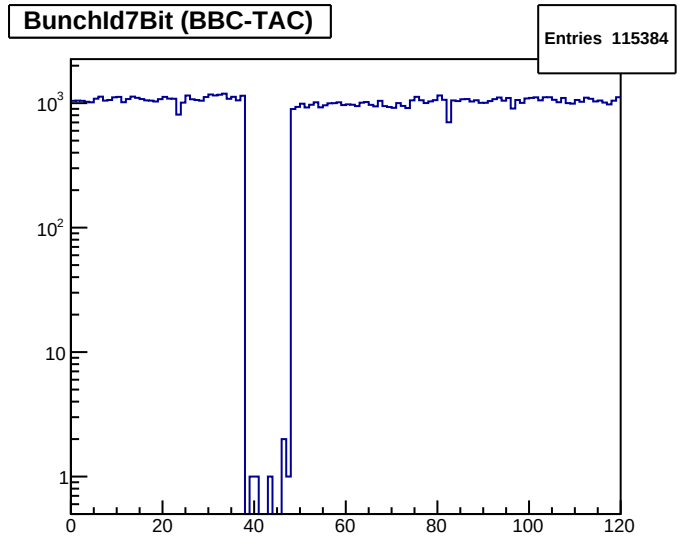
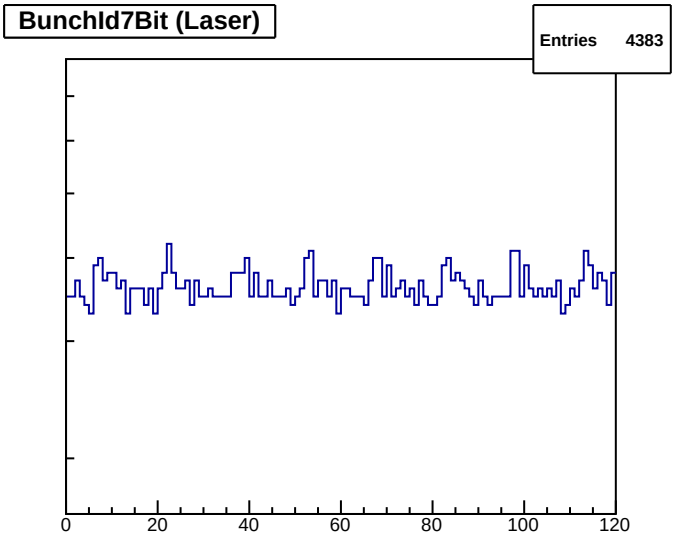
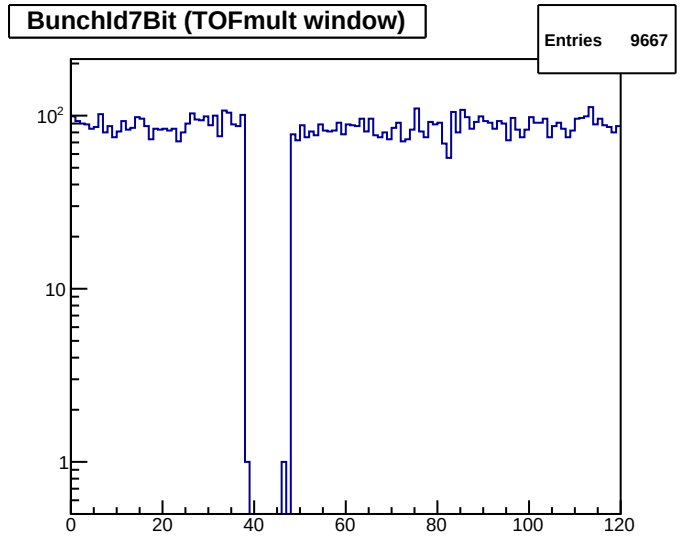

BunchId7Bit (VPD-TAC)
Entries 150810

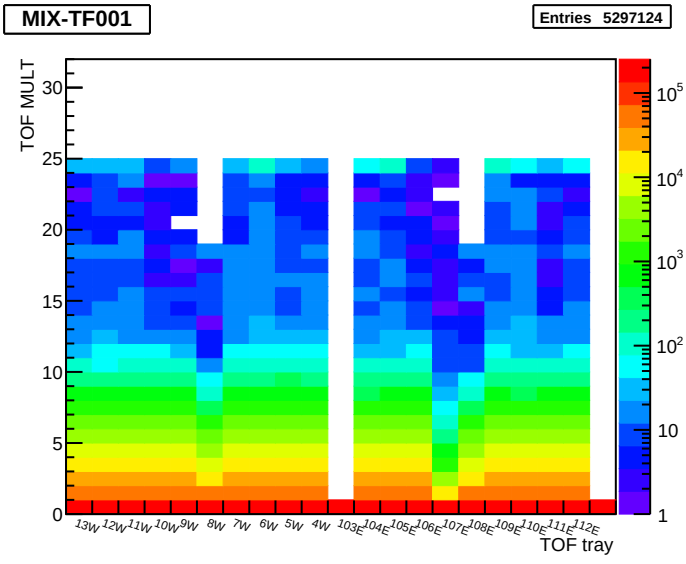

BunchId7Bit (ZDC-TAC)
Entries 577

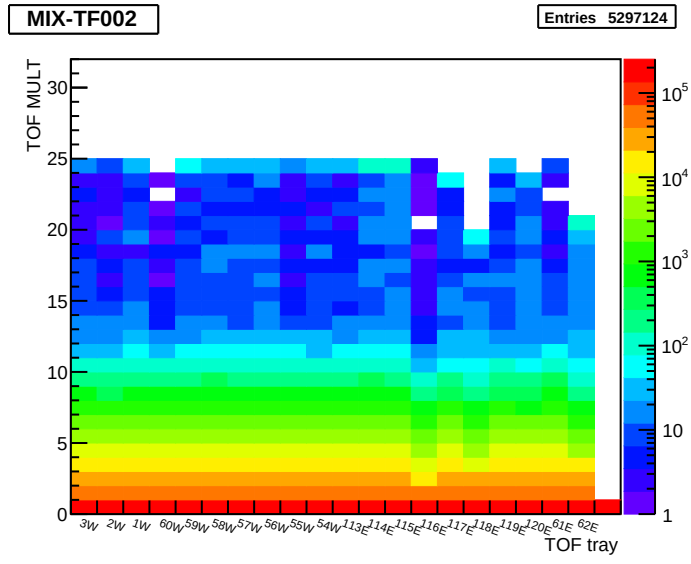

BunchId7Bit (EPD-TAC)
Entries 194102

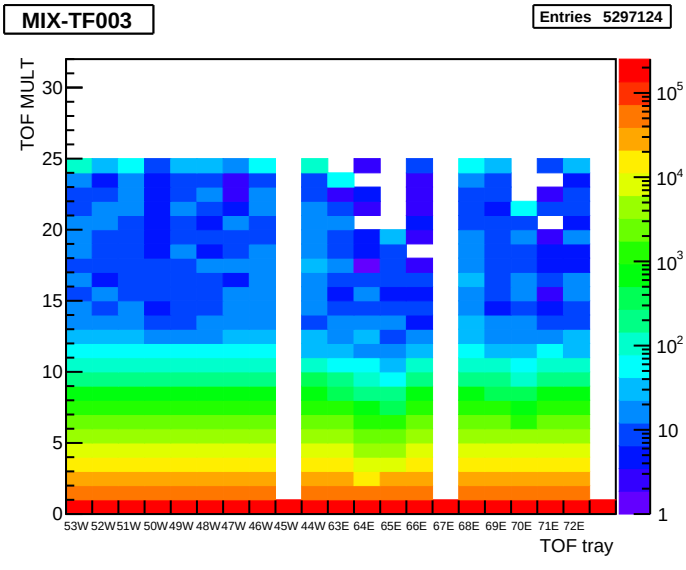

BunchId7Bit (BBC-TAC)
Entries 115384

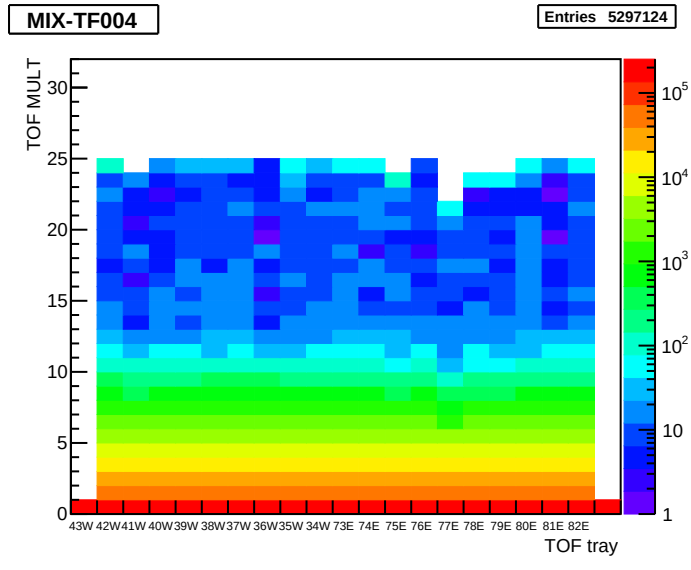

BunchId7Bit (Laser)
Entries 4383

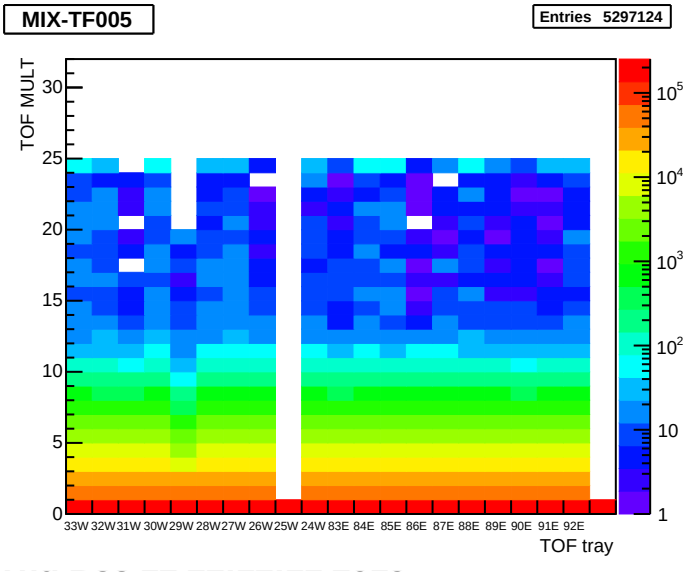

BunchId7Bit (TOFmult window)
Entries 9667

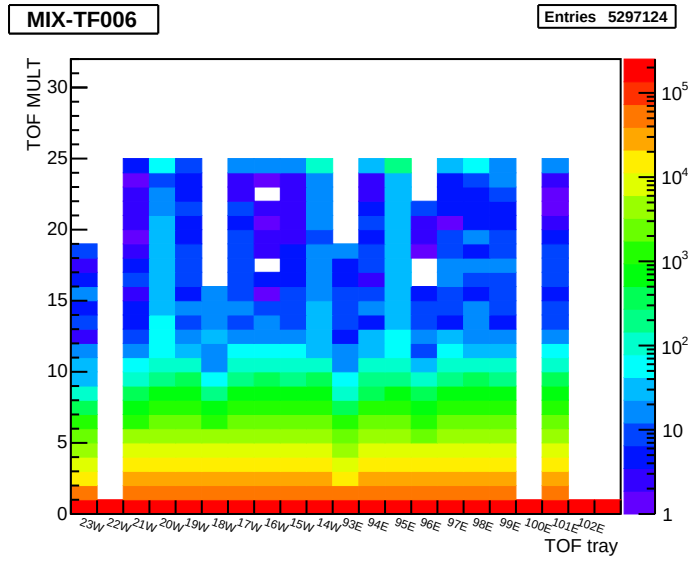

MIX-TF001
Entries 5297124
TOF MULT
TOF tray

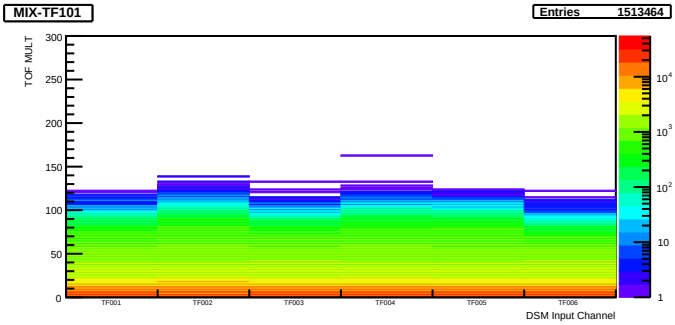

MIX-TF002
Entries 5297124
TOF MULT
TOF tray

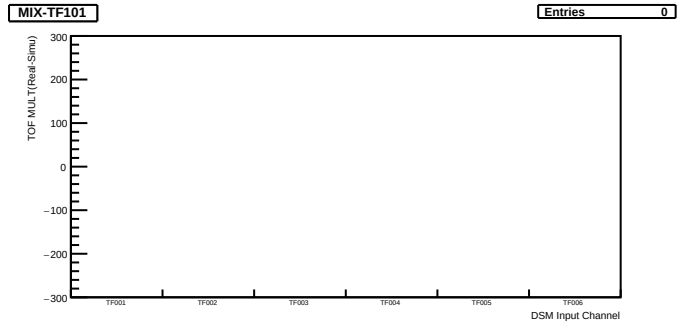

MIX-TF003
Entries 5297124
TOF MULT
TOF tray

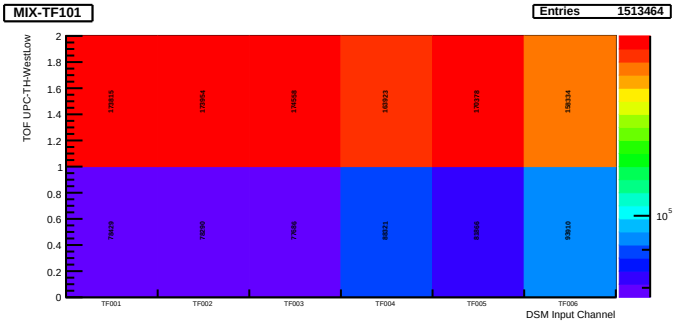

MIX-TF004
Entries 5297124
TOF MULT
TOF tray

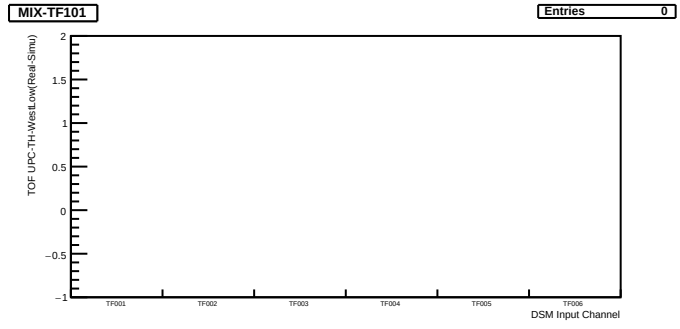

MIX-TF005
Entries 5297124
TOF MULT
TOF tray

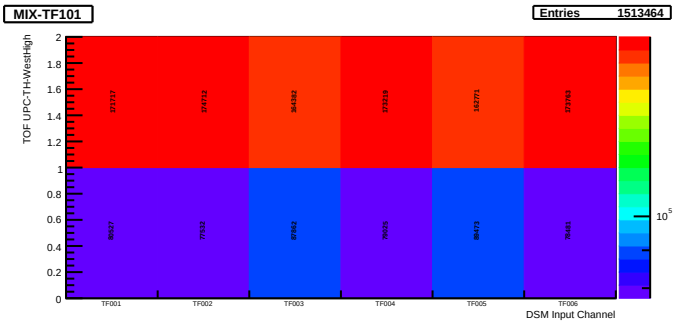

MIX-TF006
Entries 5297124
TOF MULT
TOF tray

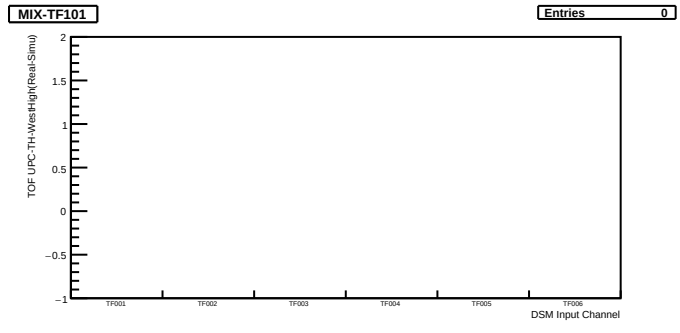

MIX-TF101
Entries 1513464
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

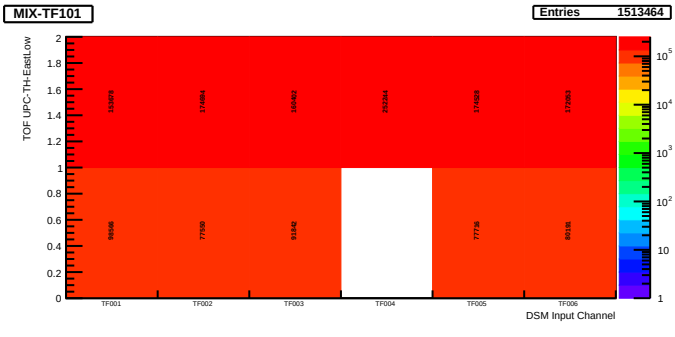

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

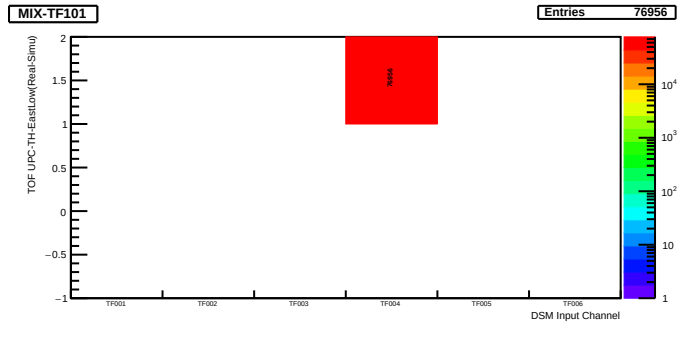

MIX-TF101
Entries 1513464
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

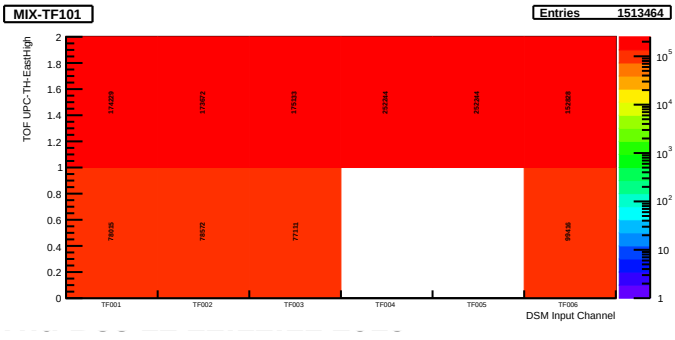

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

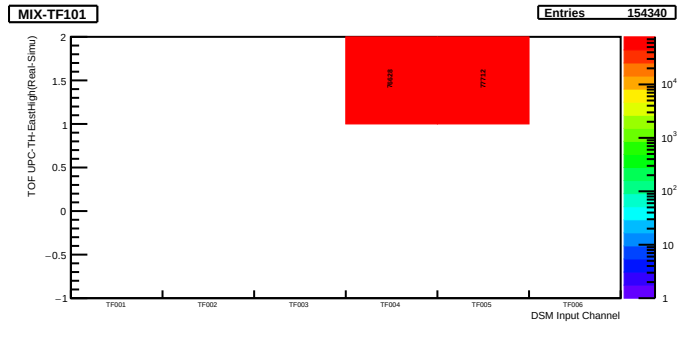

MIX-TF101
Entries 1513464
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

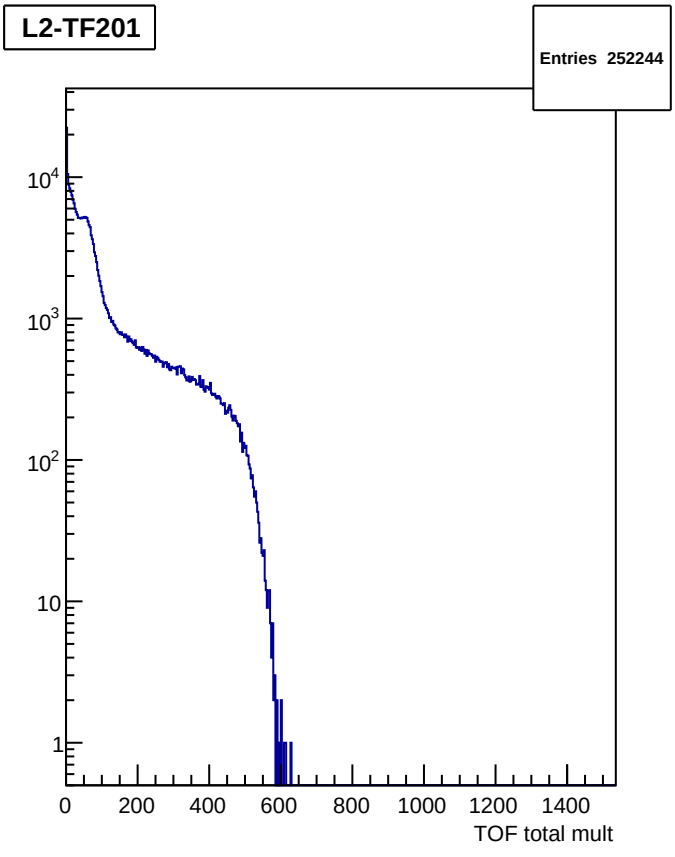

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

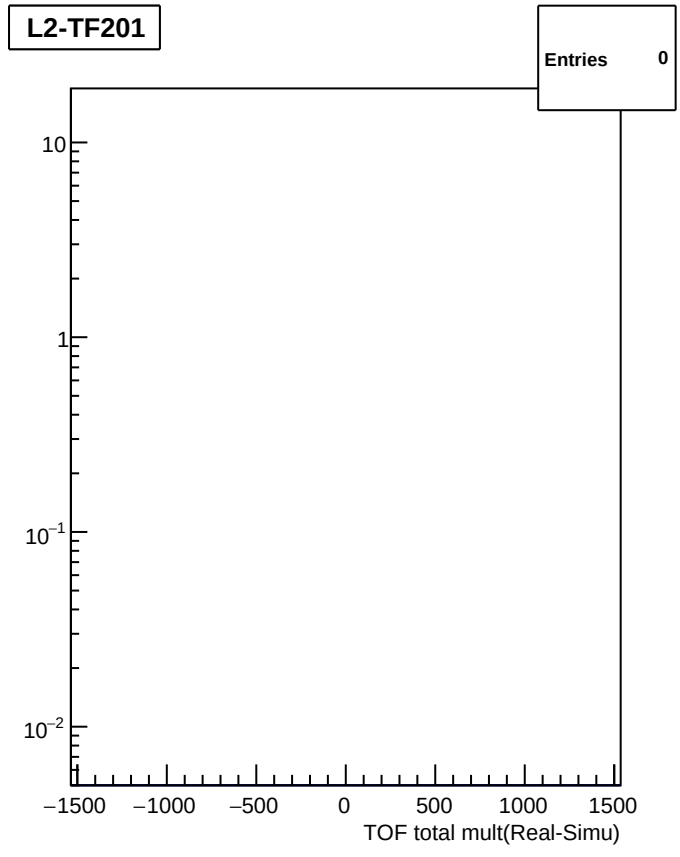

MIX-TF101
Entries 1513464
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

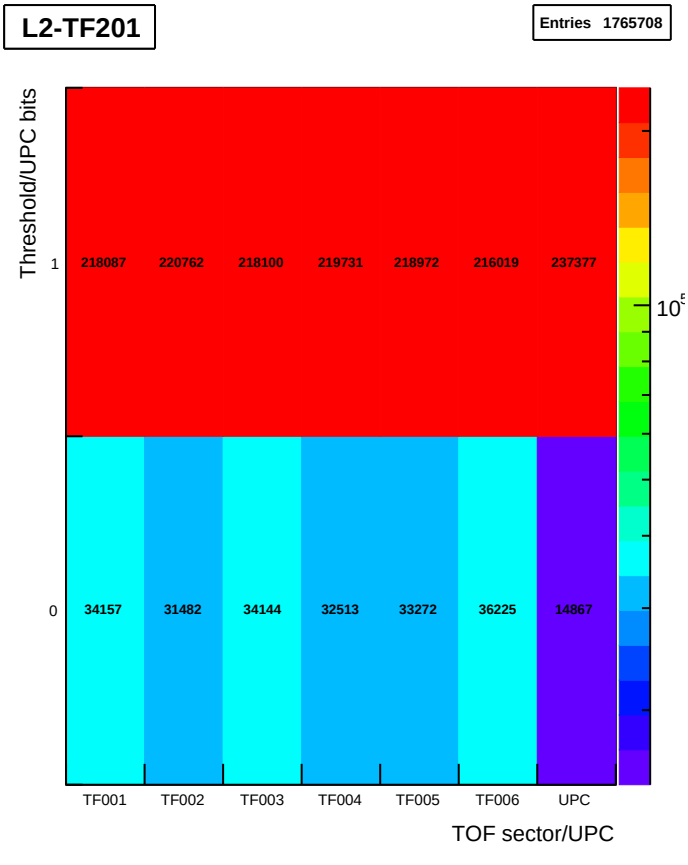

MIX-TF101
Entries 76956
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

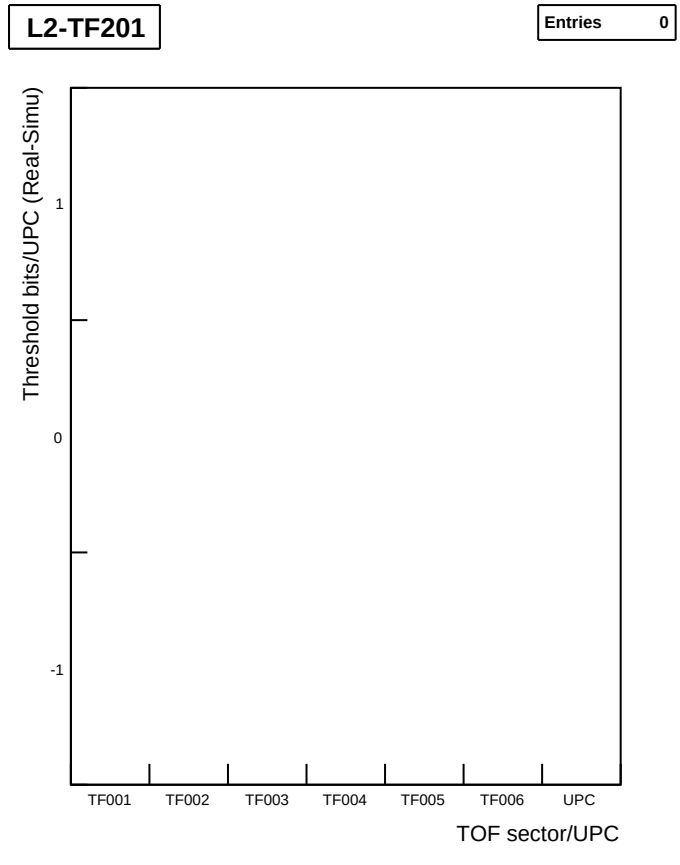

MIX-TF101
Entries 1513464
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

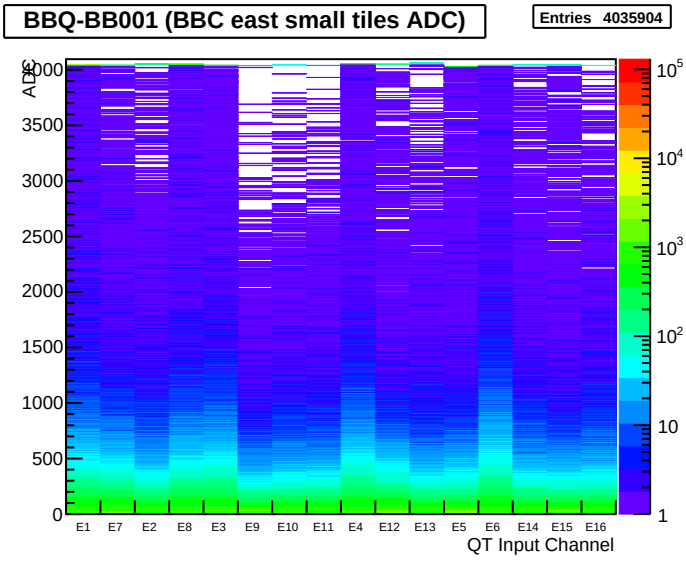

MIX-TF101
Entries 154340
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

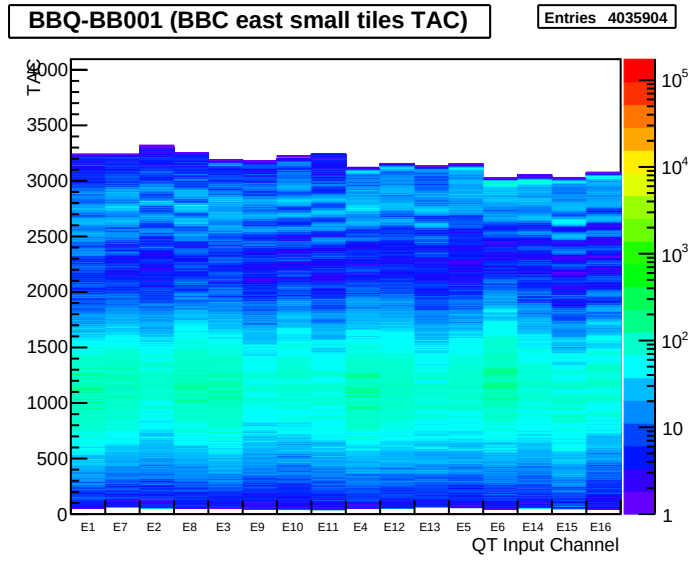

L2-TF201
Entries 252244
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

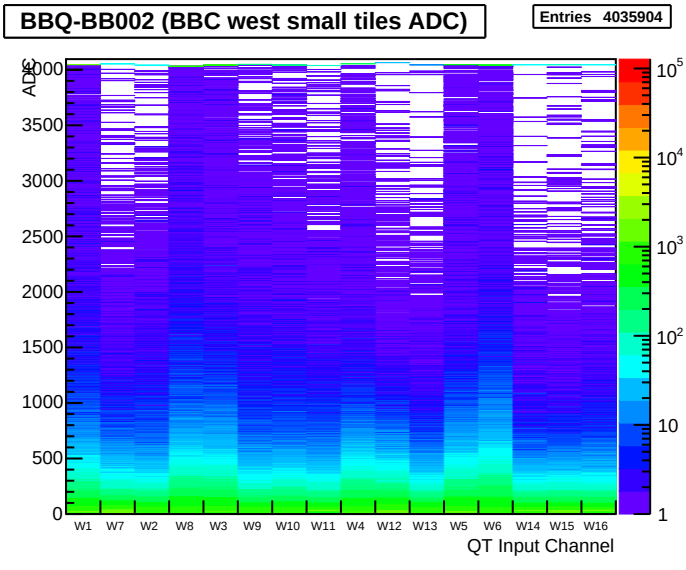

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

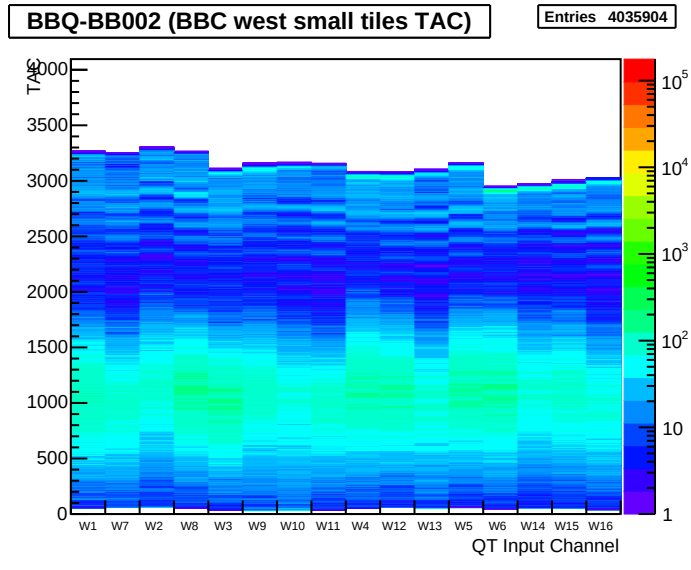

L2-TF201
Entries 1765708
Threshold/UPC bits
1
0
218087
220762
218100
219731
218972
216019
237377
34157
31482
34144
32513
33272
36225
14867
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

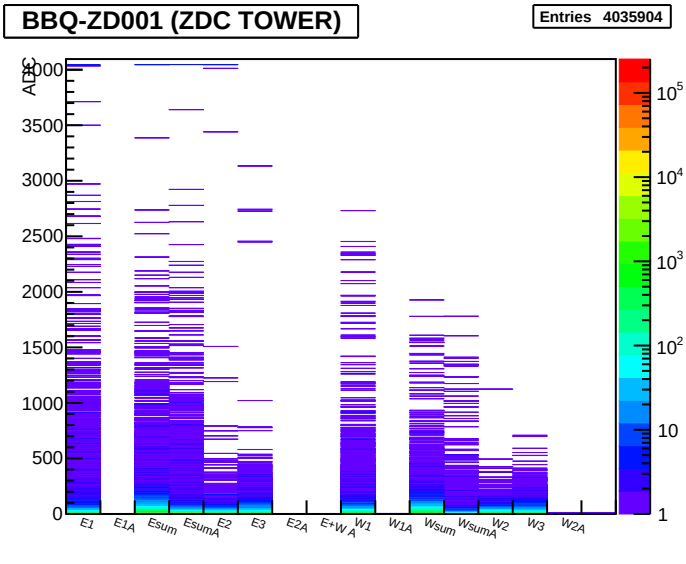

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

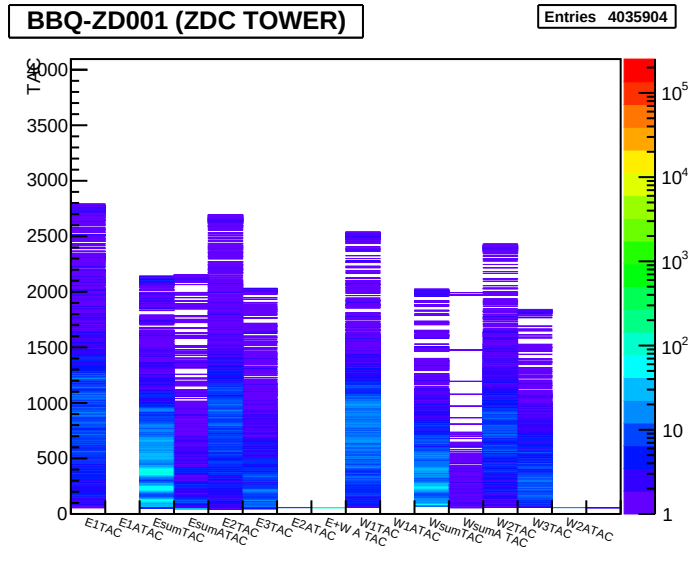

BBQ-BB001 (BBC east small tiles ADC)
Entries 4035904
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

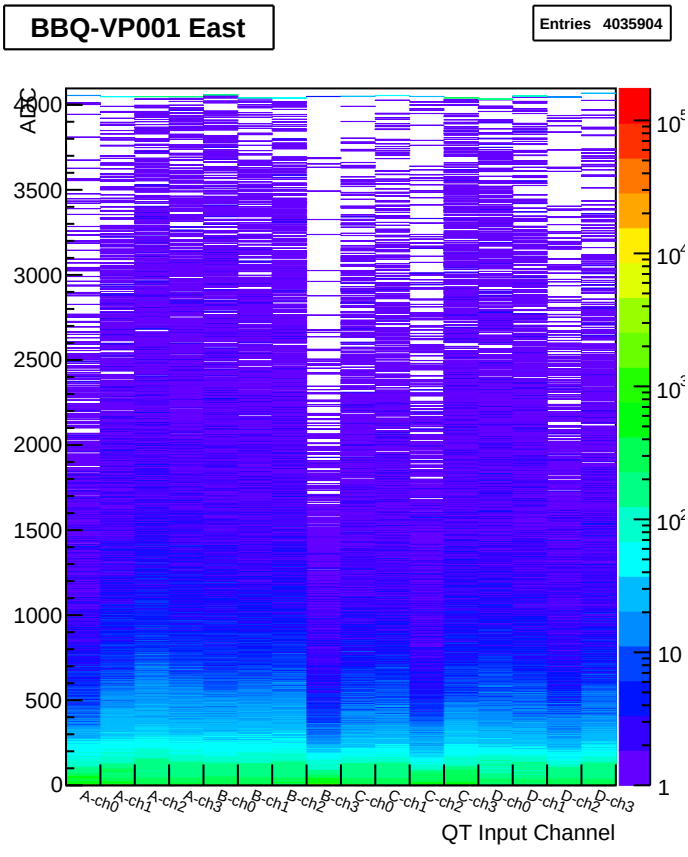

BBQ-BB001 (BBC east small tiles TAC)
Entries 4035904
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

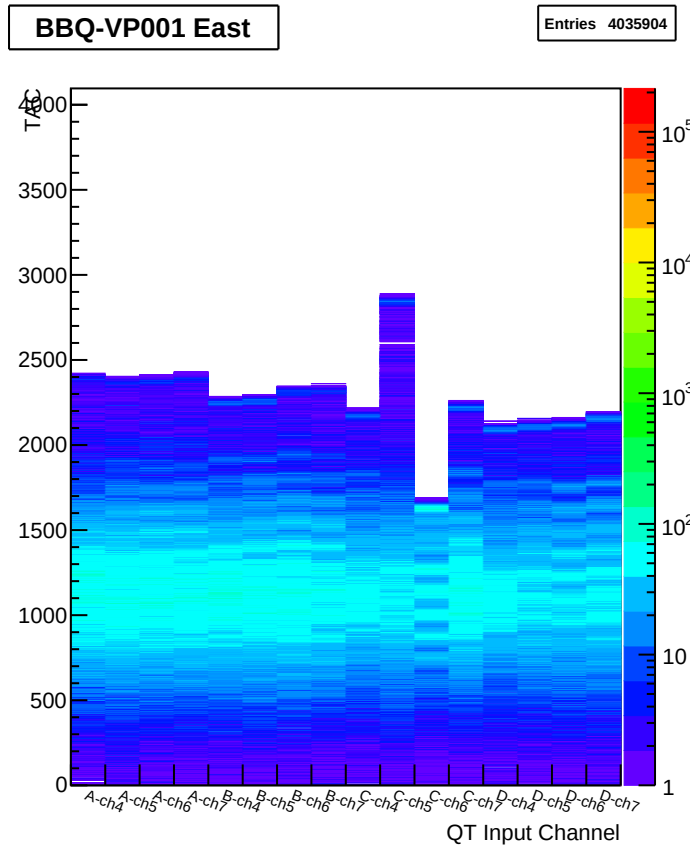

BBQ-BB002 (BBC west small tiles ADC)
Entries 4035904
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

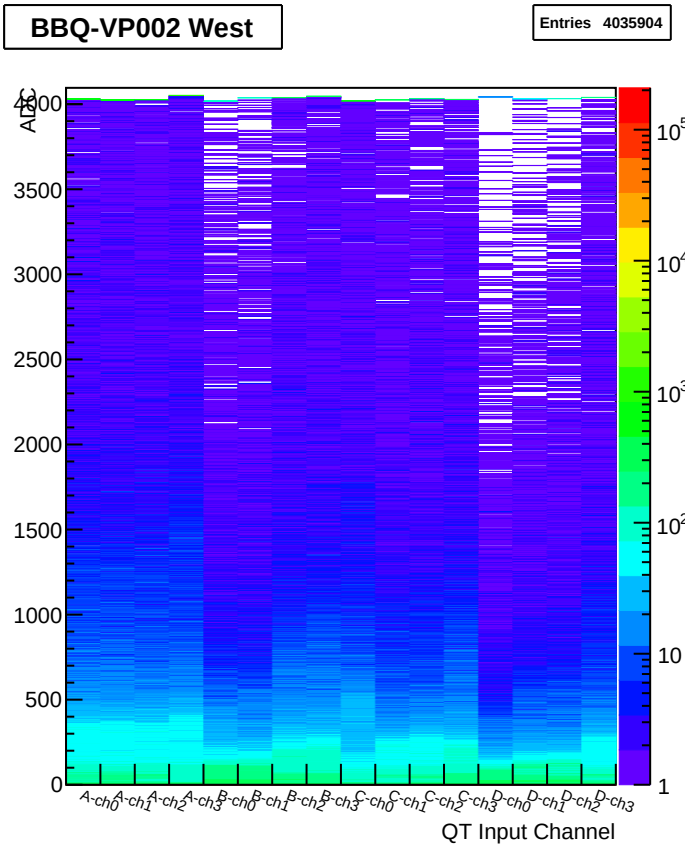

BBQ-BB002 (BBC west small tiles TAC)
Entries 4035904
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

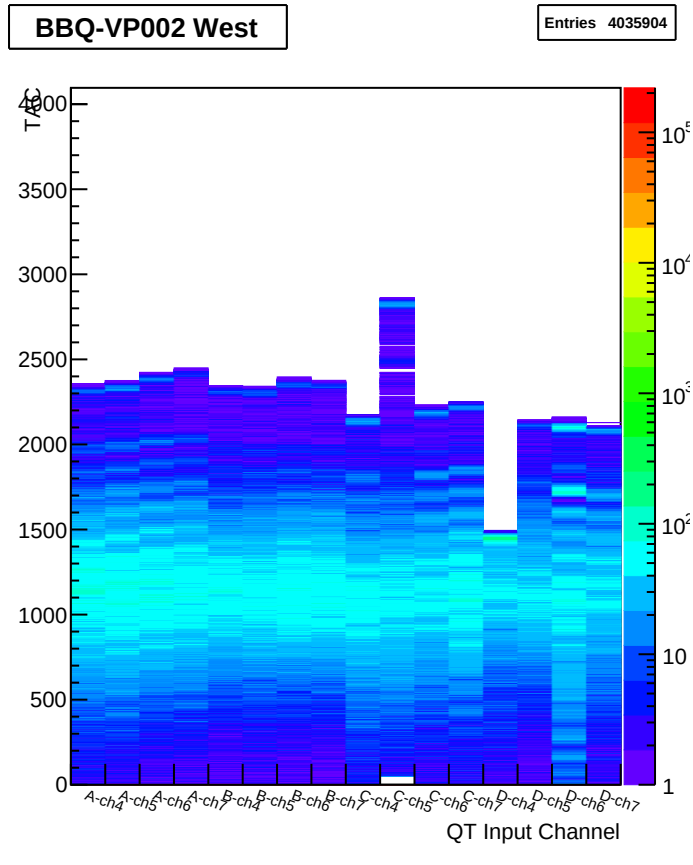

BBQ-ZD001 (ZDC TOWER)
Entries 4035904
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

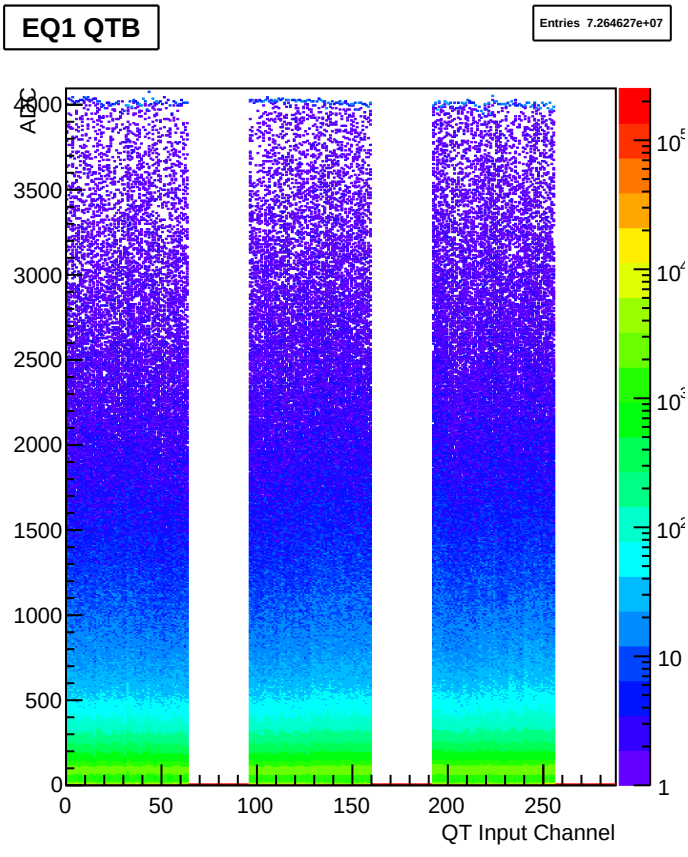

BBQ-ZD001 (ZDC TOWER)
Entries 4035904
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

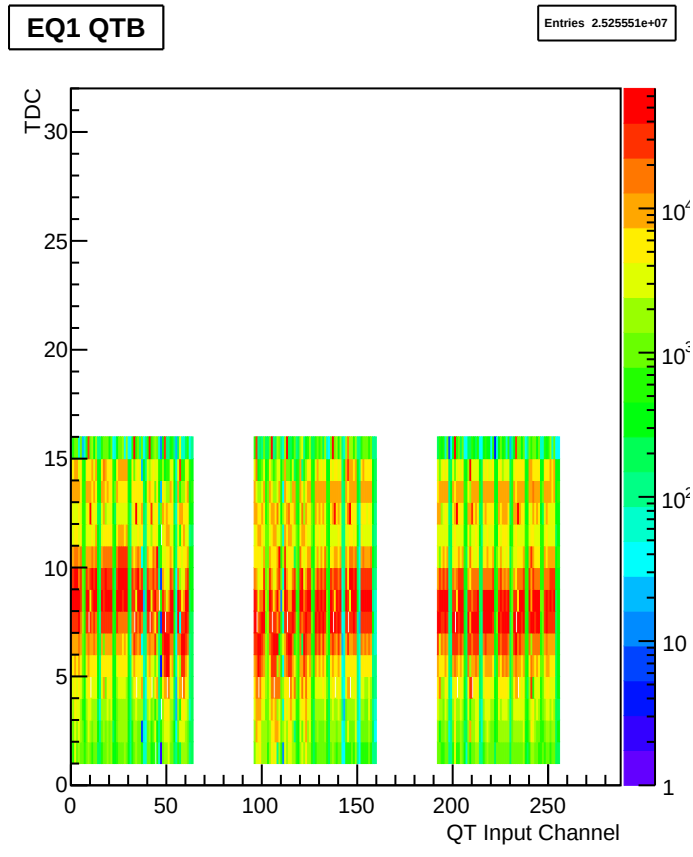

BBQ-VP001 East
Entries 4035904
ADC
QT Input Channel

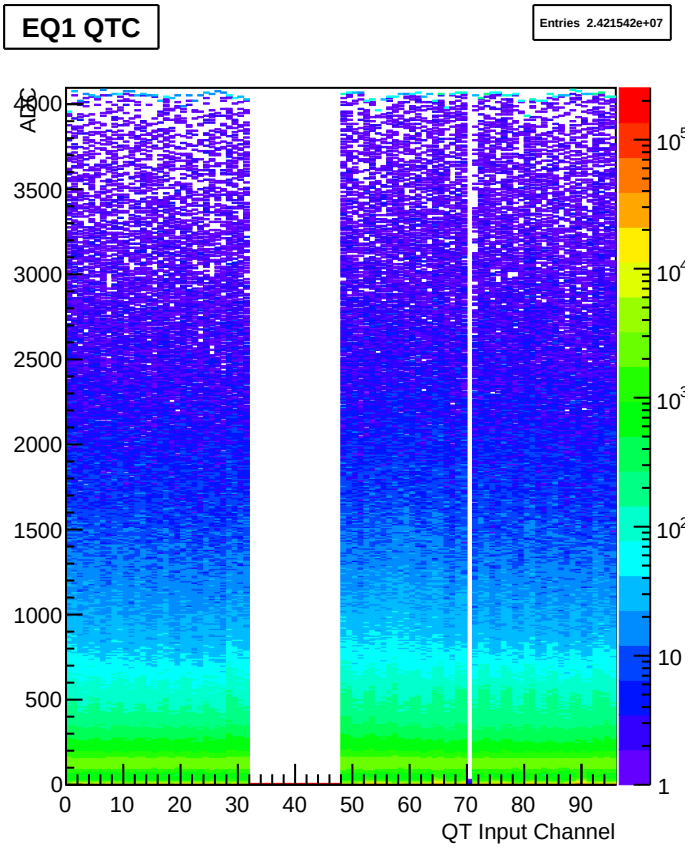

BBQ-VP001 East
Entries 4035904
TADC
QT Input Channel

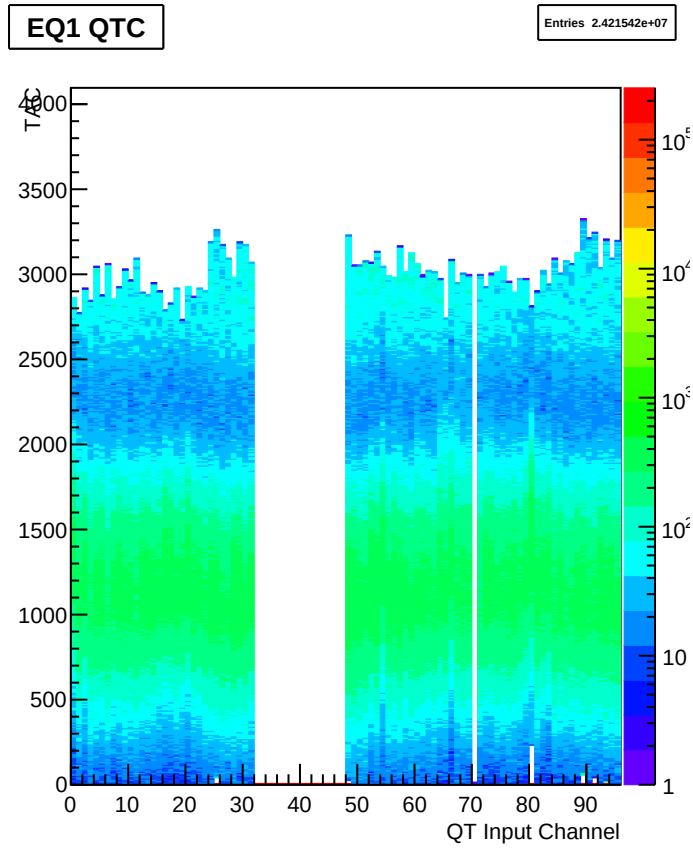

BBQ-VP002 West
Entries 4035904
ADC
QT Input Channel

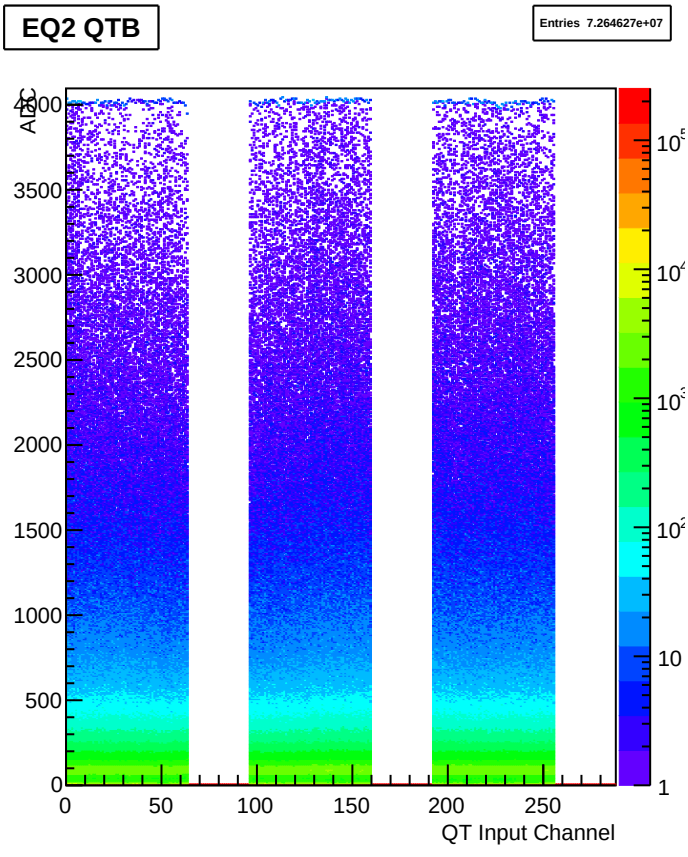

BBQ-VP002 West
Entries 4035904
TADC
QT Input Channel

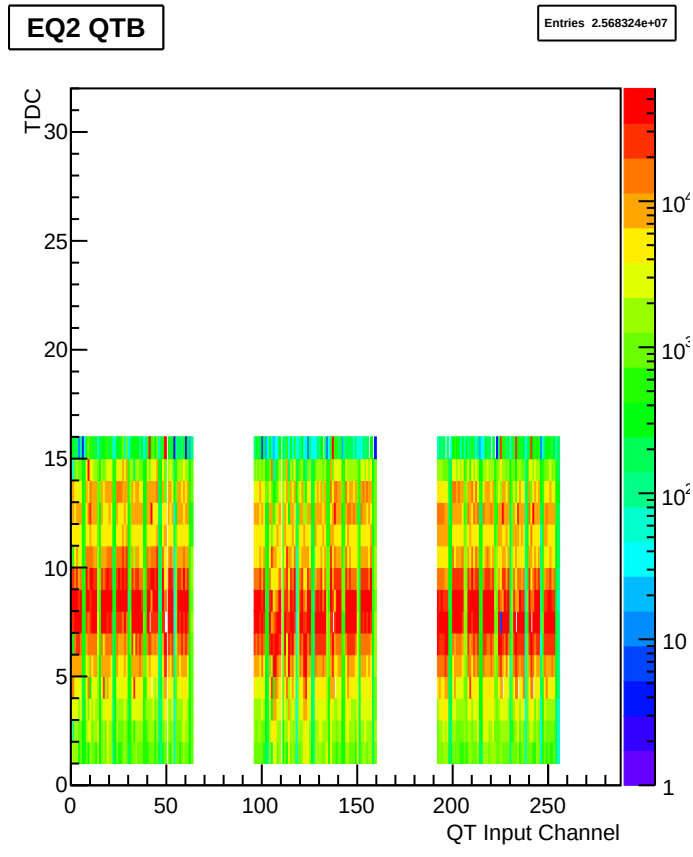

EQ1 QTB
Entries 7.264627e+07
ADC
QT Input Channel

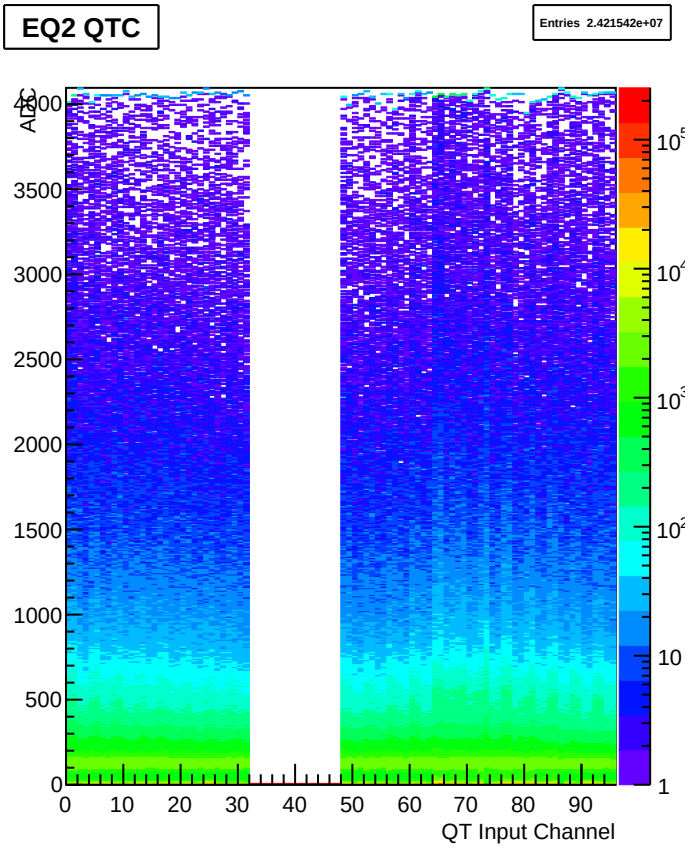

EQ1 QTB
Entries 2.525551e+07
TDC
QT Input Channel

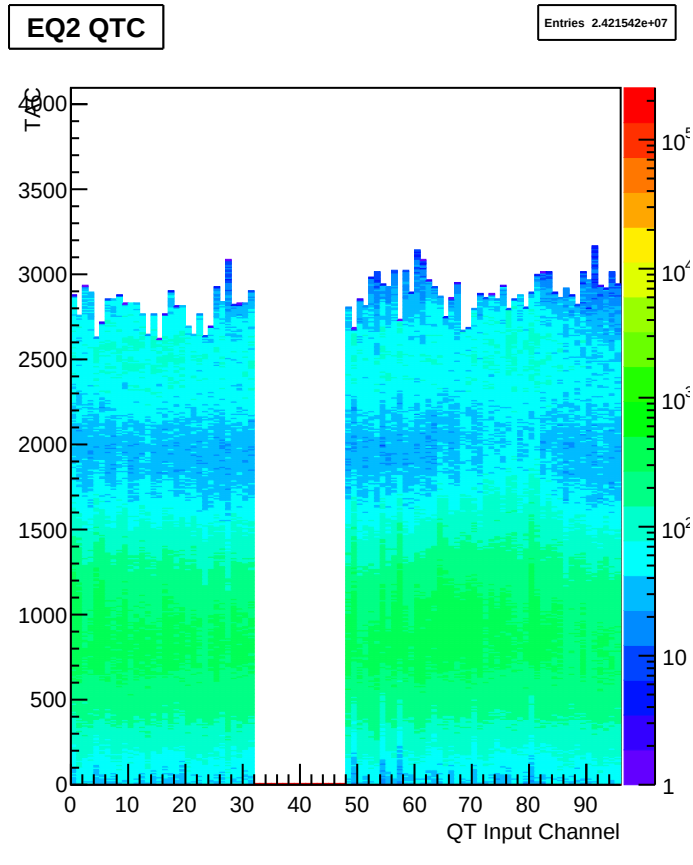

EQ1 QTC
Entries 2.421542e+07
ADC
QT Input Channel

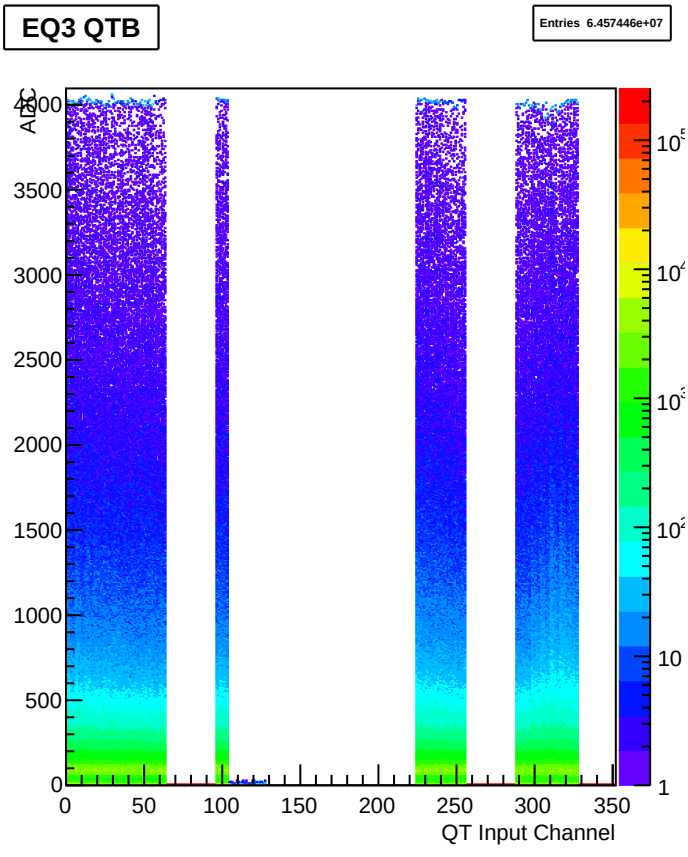

EQ1 QTC
Entries 2.421542e+07
TADC
QT Input Channel

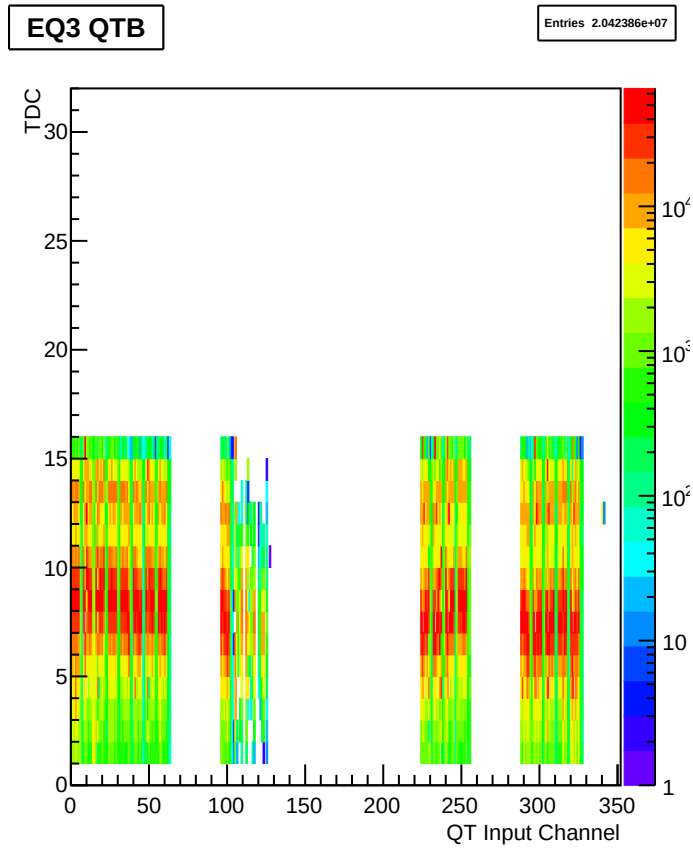

EQ2 QTB
Entries 7.264627e+07
ADC
QT Input Channel

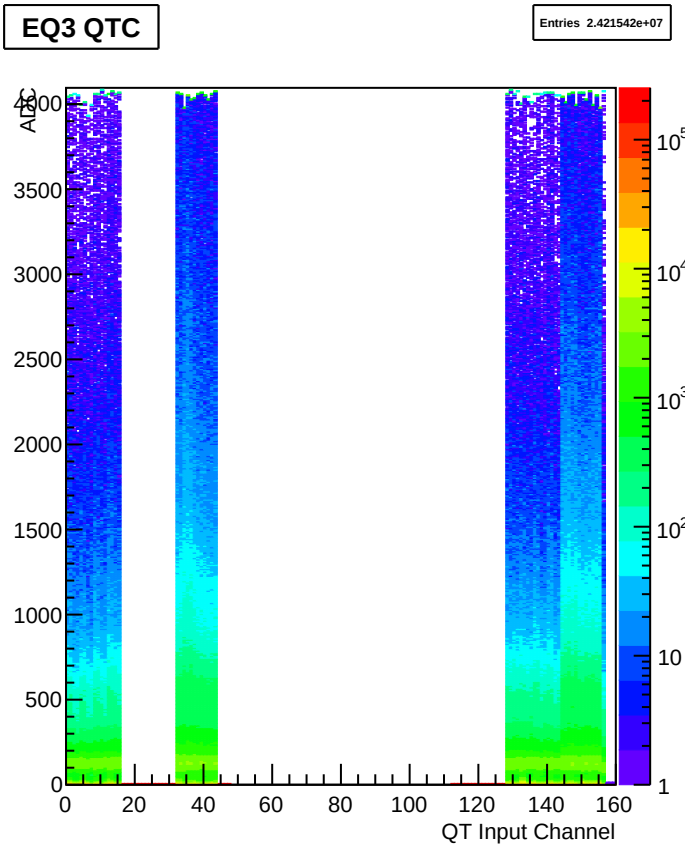

EQ2 QTB
Entries 2.568324e+07
TDC
QT Input Channel

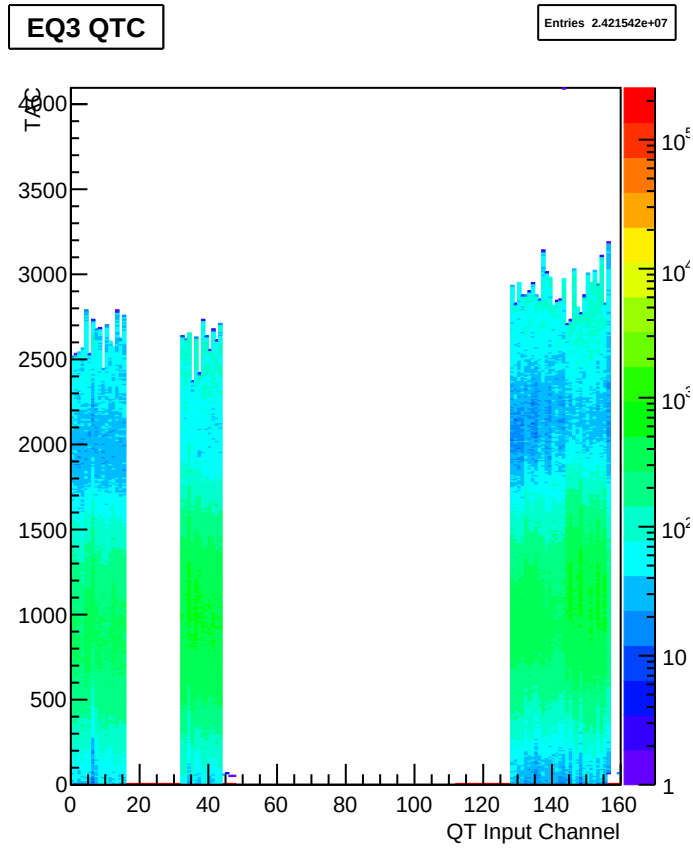

EQ2 QTC
Entries 2.421542e+07
ADC
QT Input Channel

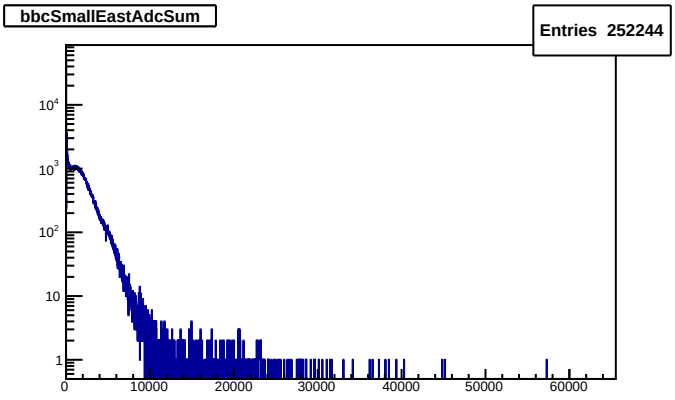

EQ2 QTC
Entries 2.421542e+07
TADC
QT Input Channel

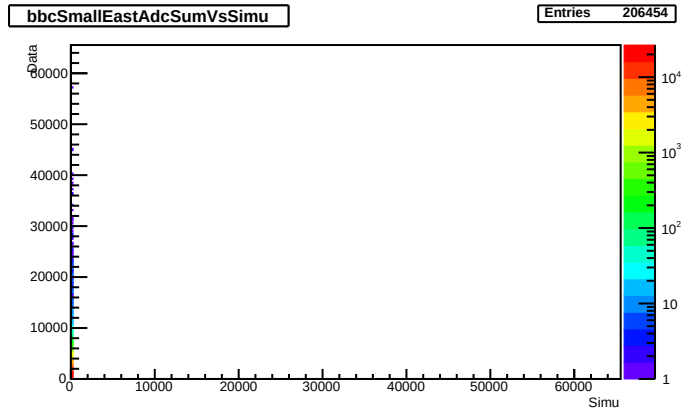

EQ3 QTB
Entries 6.457446e+07
ADC
QT Input Channel

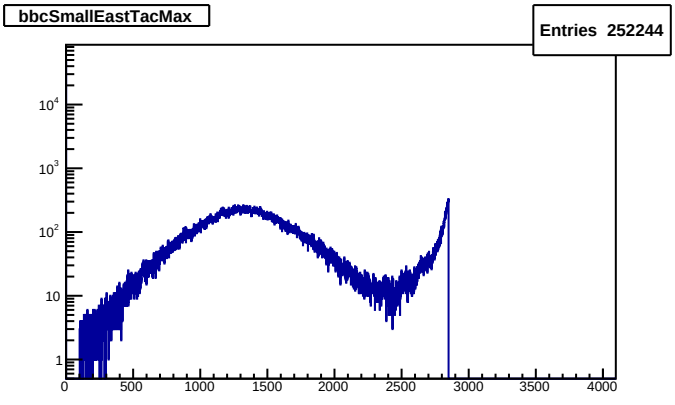

EQ3 QTB
Entries 2.042386e+07
TDC
QT Input Channel

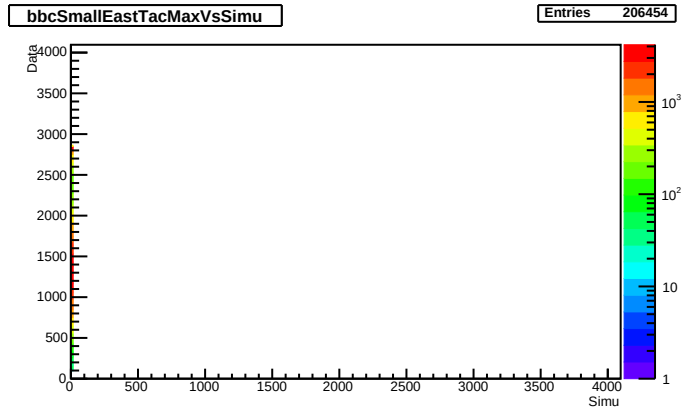

EQ3 QTC
Entries 2.421542e+07
ADC
QT Input Channel


EQ3 QTC
Entries 2.421542e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 252244


bbcSmallEastAdcSumVsSimu
Entries 206454
Data
Simu


bbcSmallEastTacMax
Entries 252244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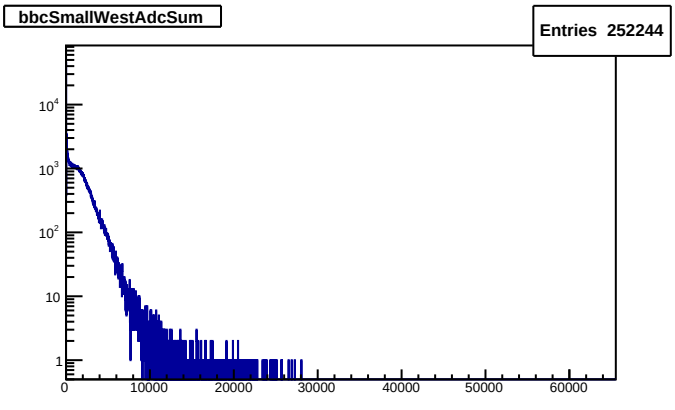
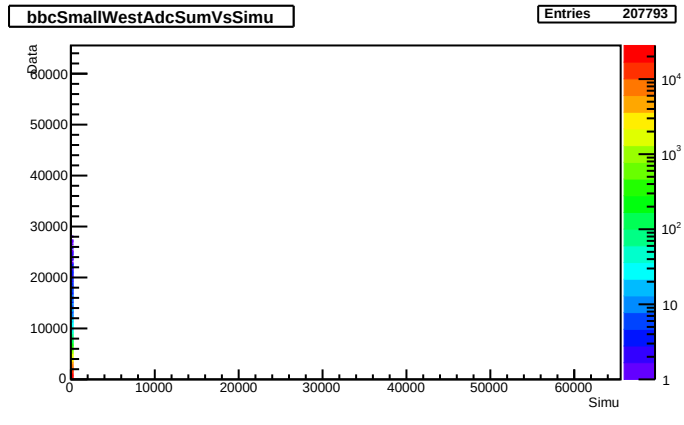
Entries 206454
Data
Simu


bbcSmallWestAdcSum
Entries 252244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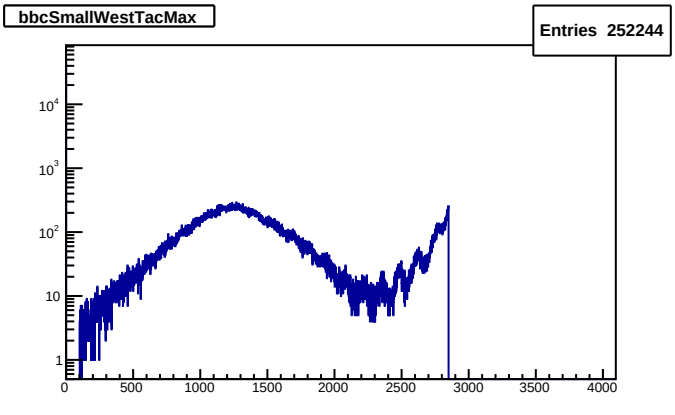
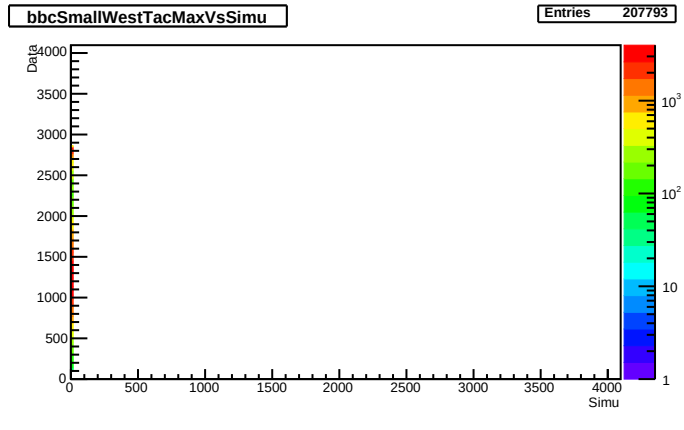
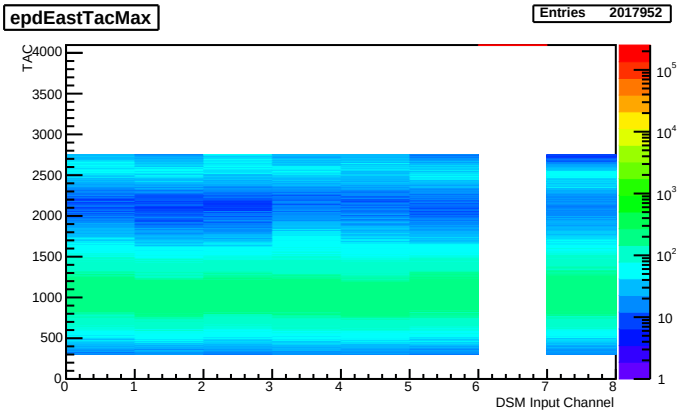
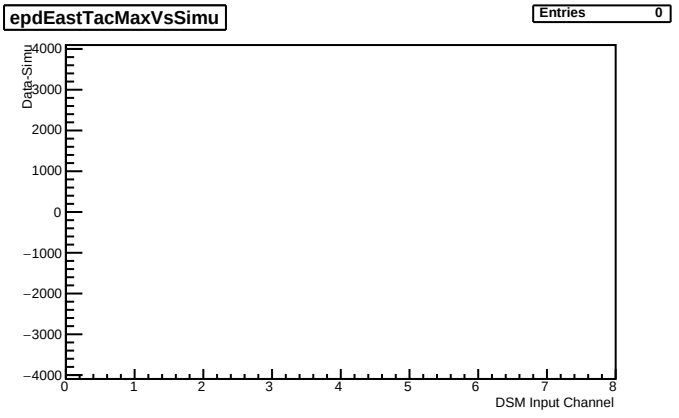
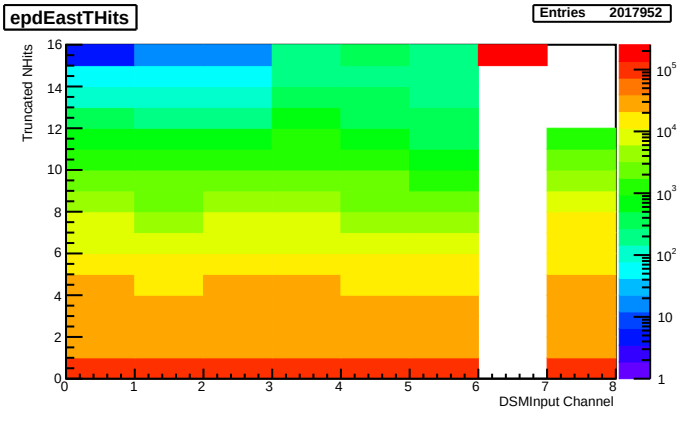
Entries 207793
Data
Simu

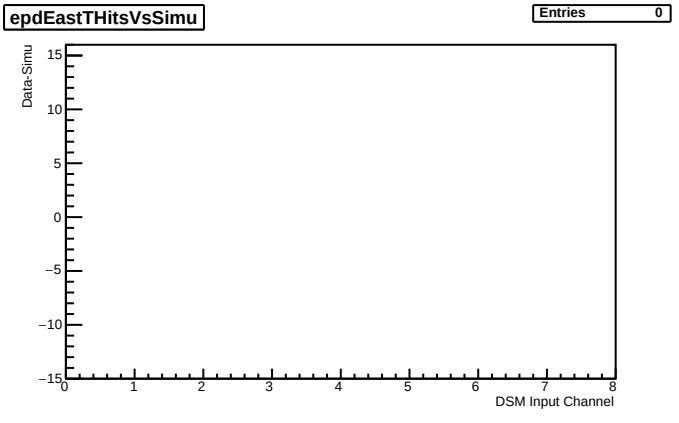

bbcSmallWestTacMax
Entries 252244


bbcSmallWestTacMaxVsSimu
Entries 207793
Data
Simu


epdEastTacMax
Entries 2017952
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2017952
Truncated NHits
DSMInput Channel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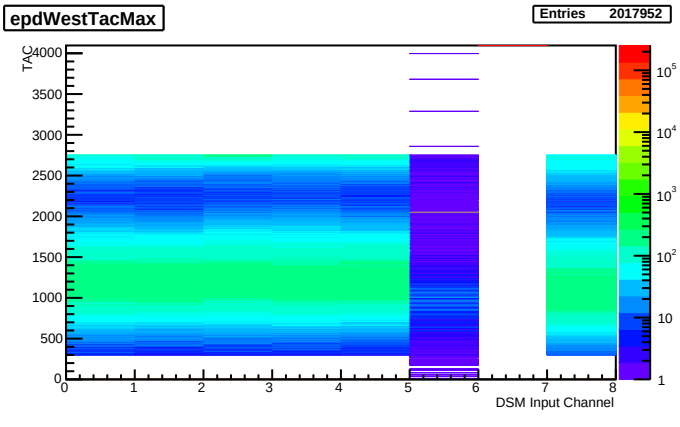
Entries 0
Data-Simu
DSM Input Channel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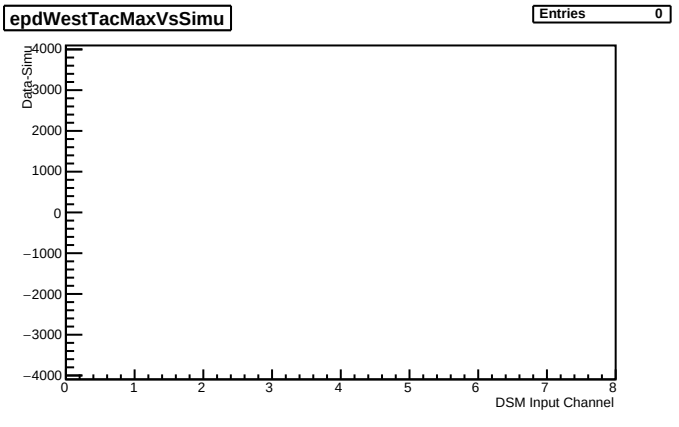
Entries 2017952
TAC
DSM Input Channel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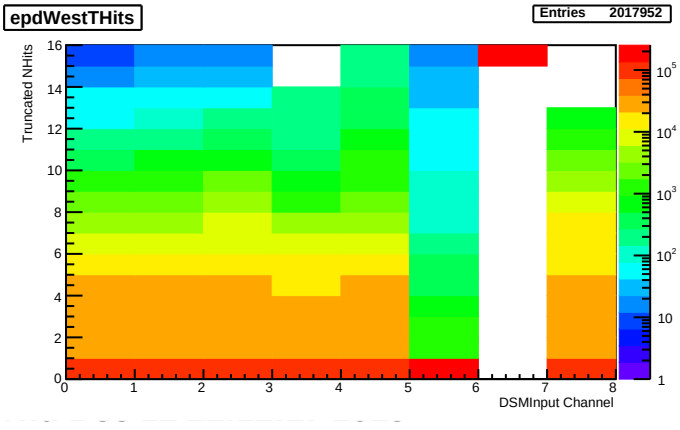
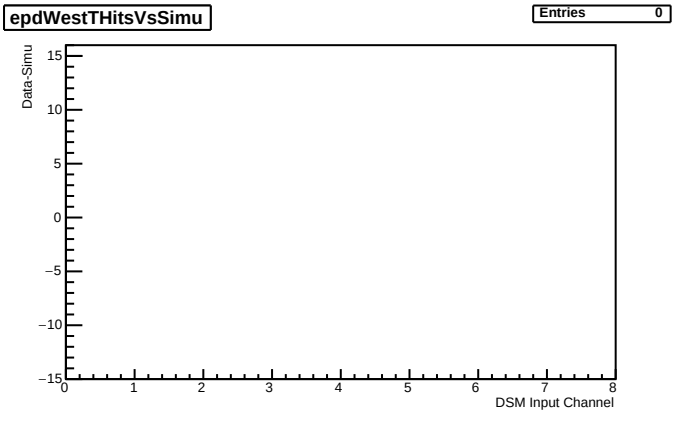
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2017952
Truncated NHits
DSMInput Channel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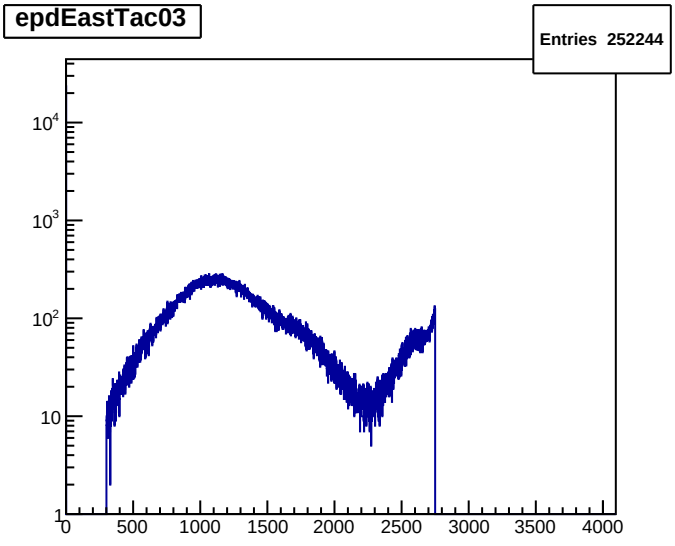
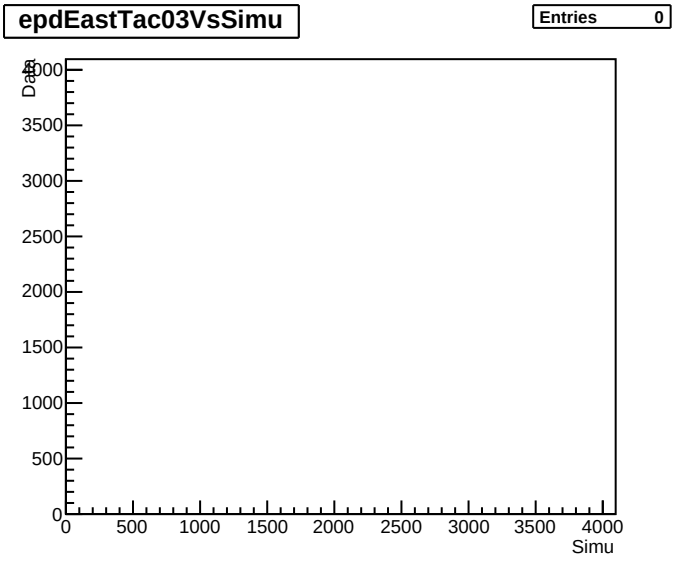
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 252244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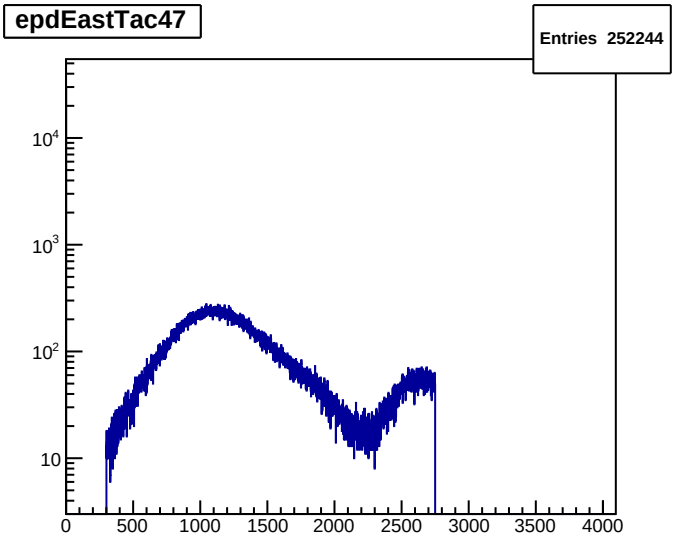
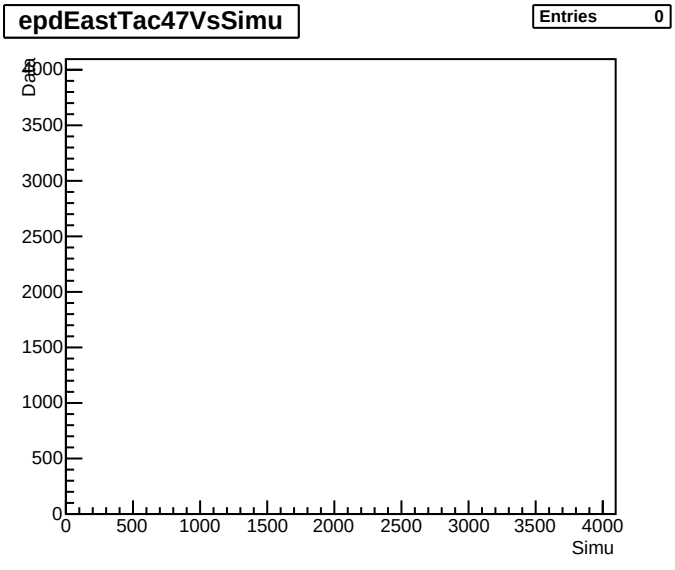
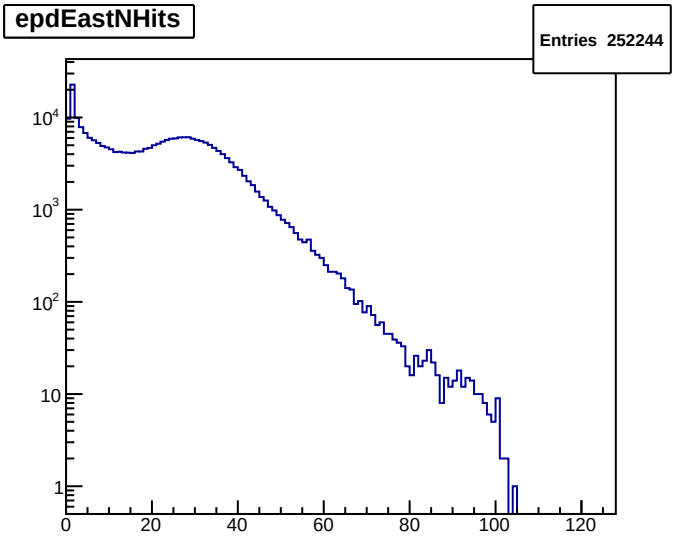
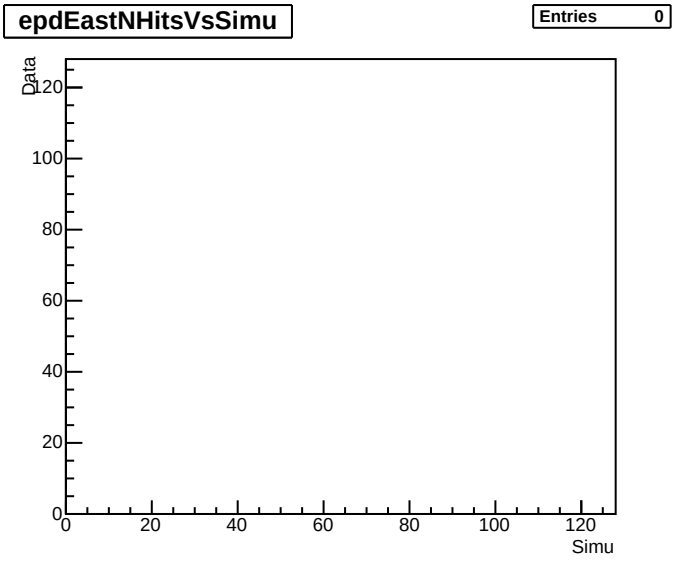
Entries 0
Data
Simu


epdEastTac47
Entries 252244


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 252244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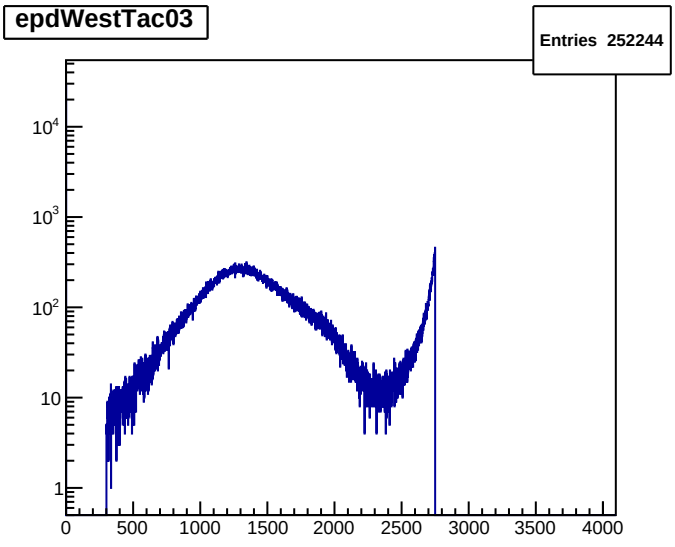
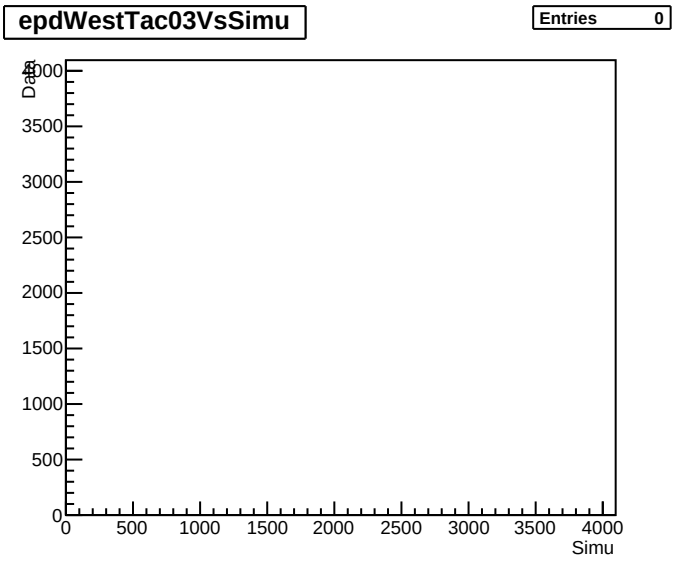
Entries 0
Data
Simu


epdWestTac03
Entries 252244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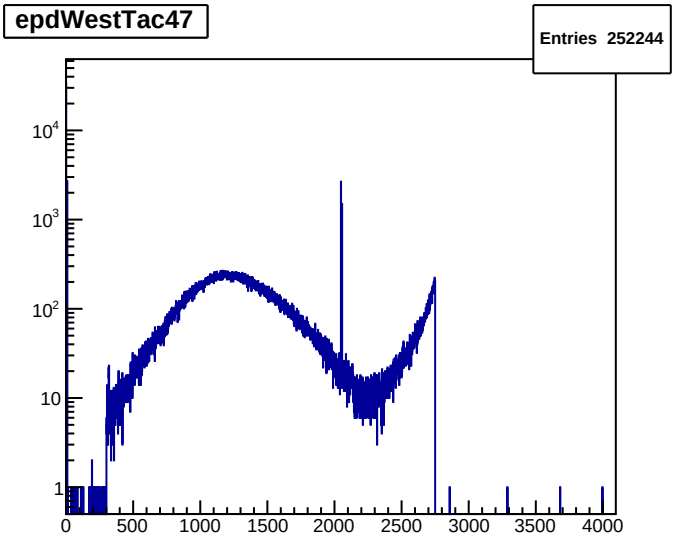
Entries 0
Data
Simu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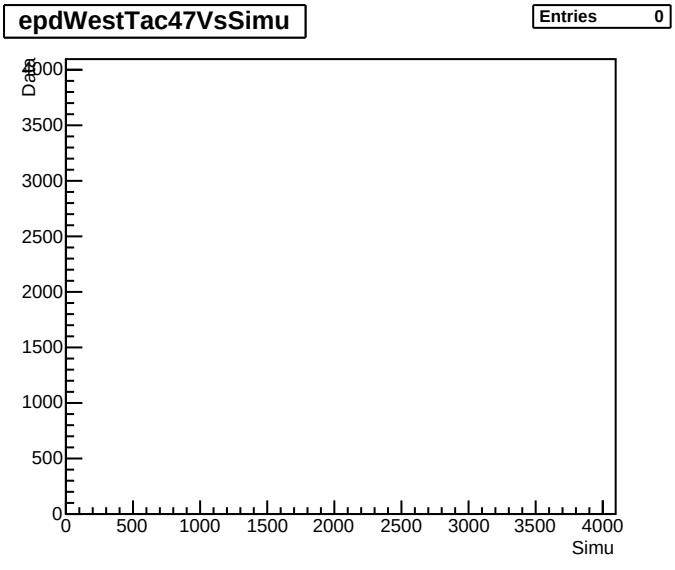
Entries 252244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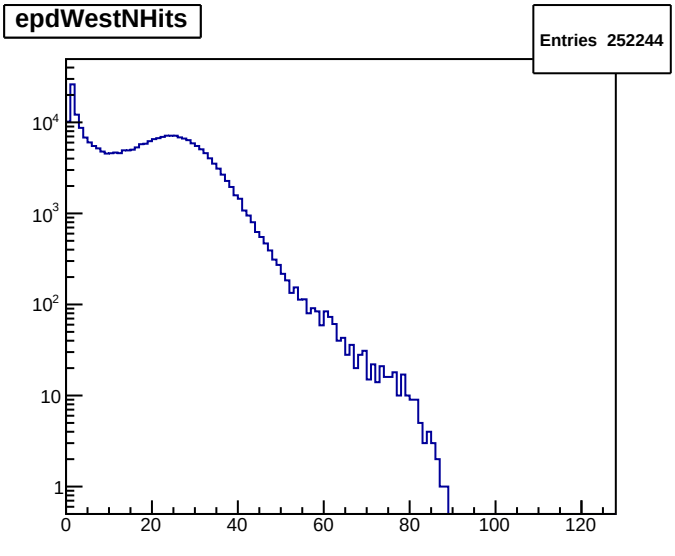
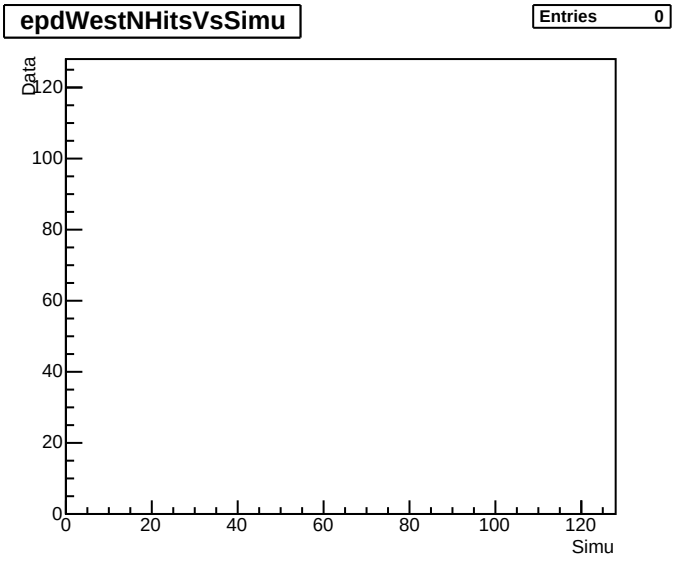
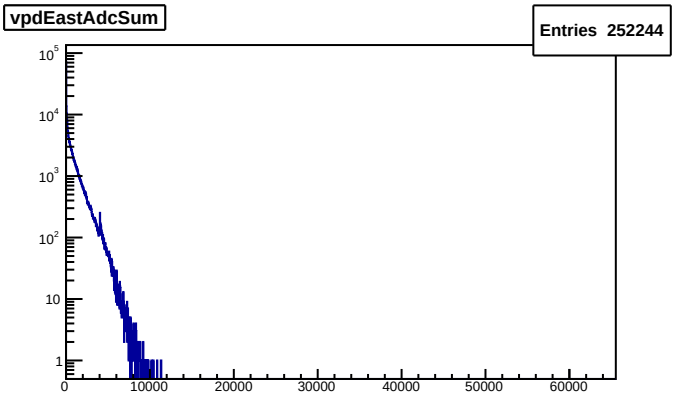
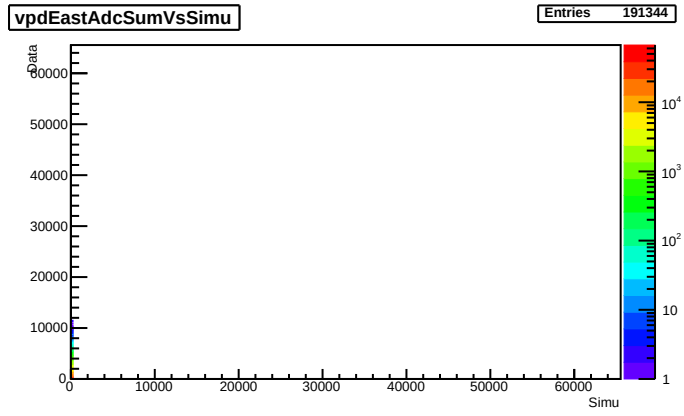
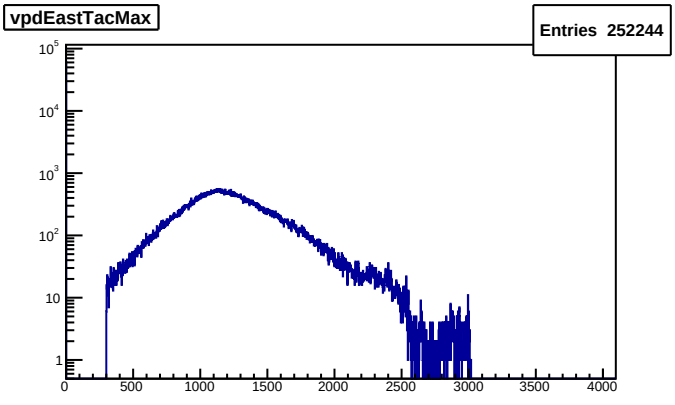
Entries 0
Data
Simu

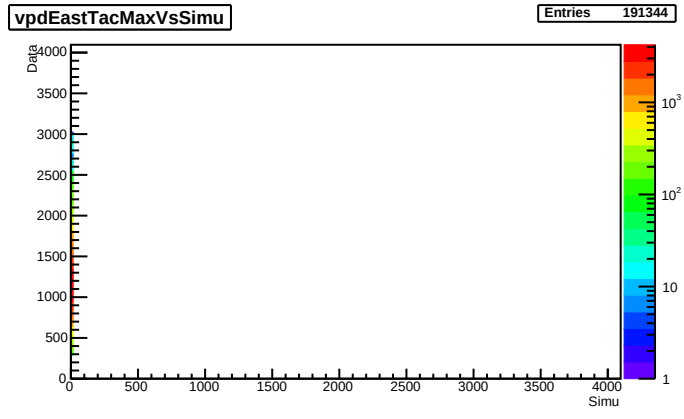

epdWestNHits
Entries 252244

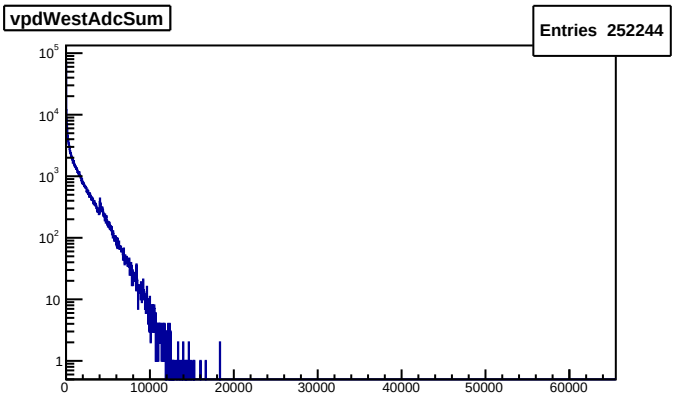

epdWestNHitsVsSimu
Entries 0
Data
Simu

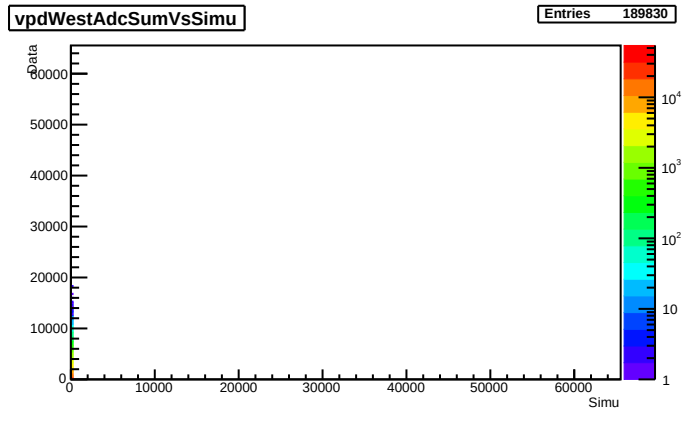

vpdEastAdcSum
Entries 252244

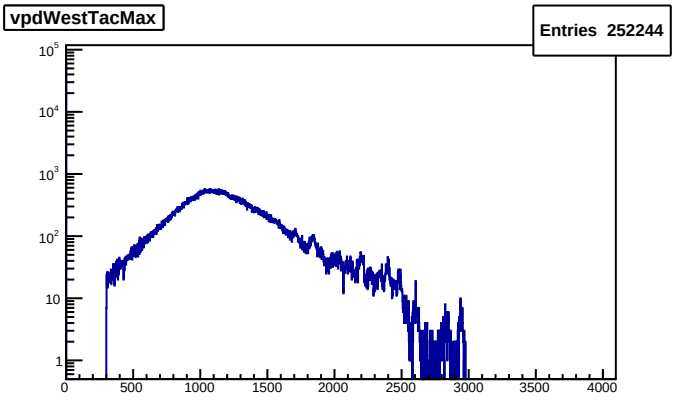

vpdEastAdcSumVsSimu
Entries 191344
Data
Simu

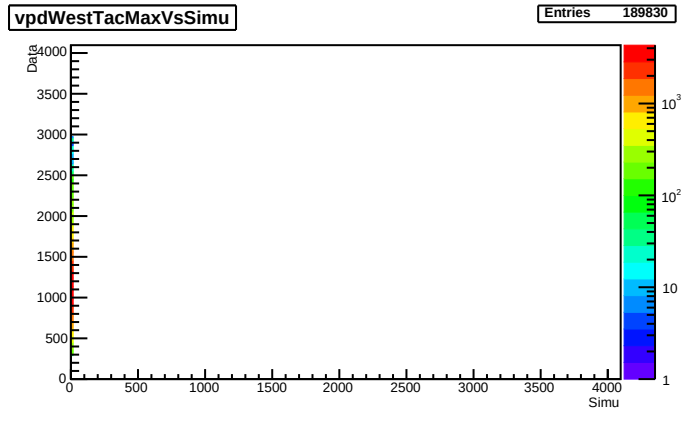

vpdEastTacMax
Entries 252244

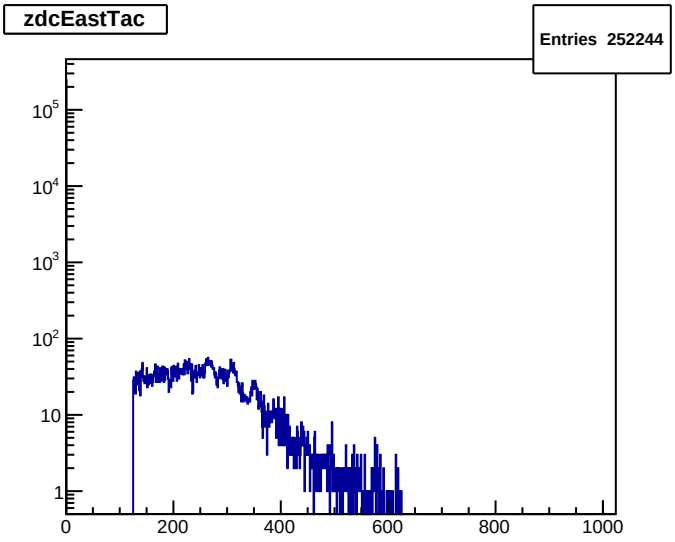

vpdEastTacMaxVsSimu
Entries 191344
Data
Simu

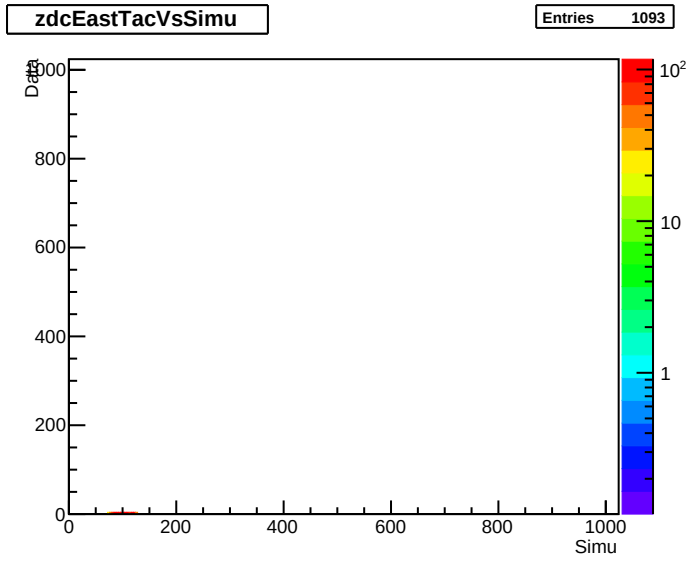

vpdWestAdcSum
Entries 252244

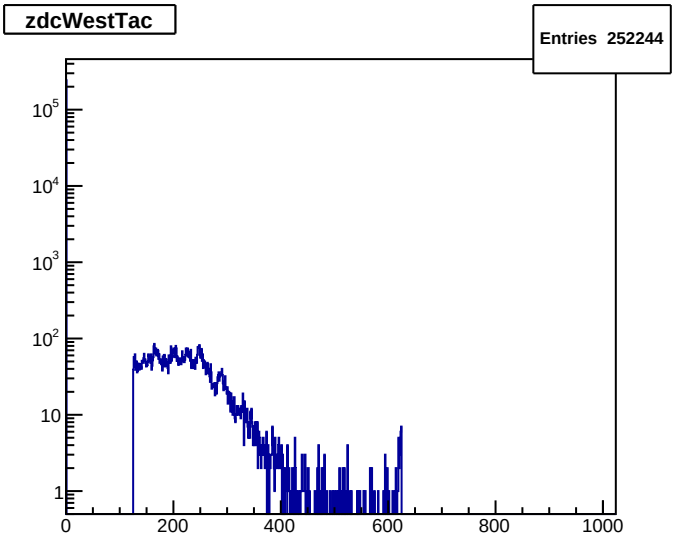

vpdWestAdcSumVsSimu
Entries 189830
Data
Simu

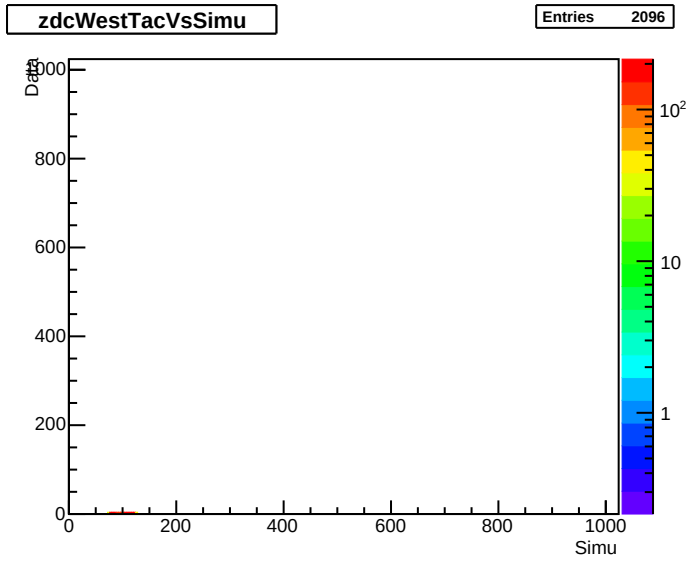

vpdWestTacMax
Entries 252244

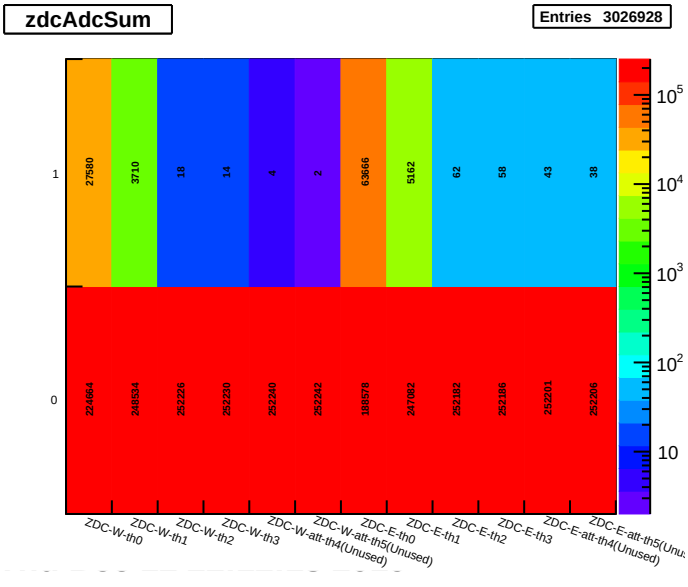

vpdWestTacMaxVsSimu
Entries 189830
Data
Simu

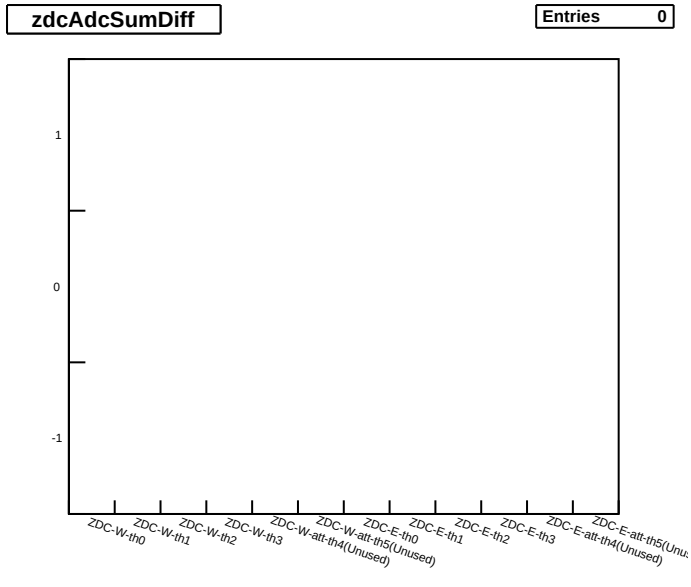

zdcEastTac
Entries 252244

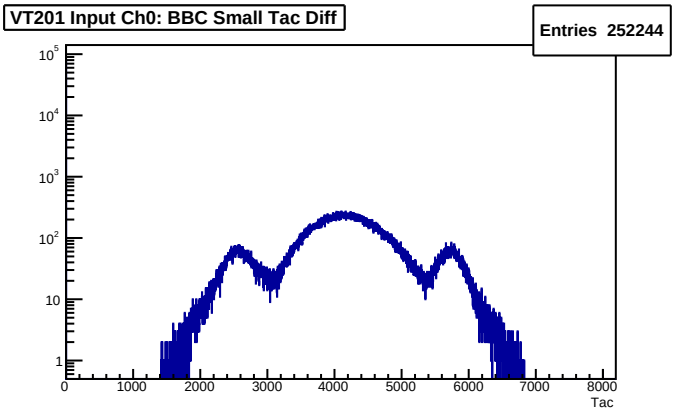

zdcEastTacVsSimu
Entries 1093
Data
Simu

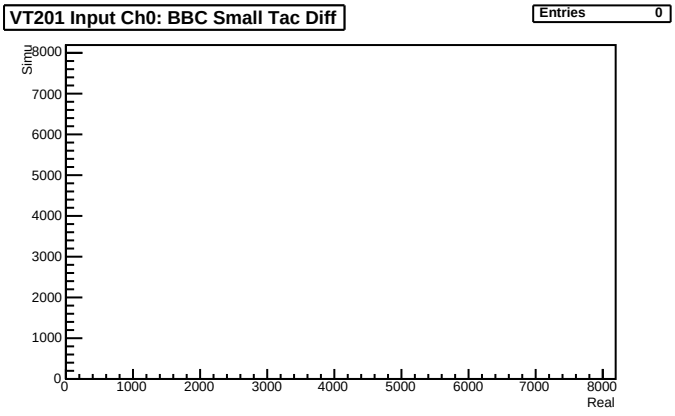

zdcWestTac
Entries 252244

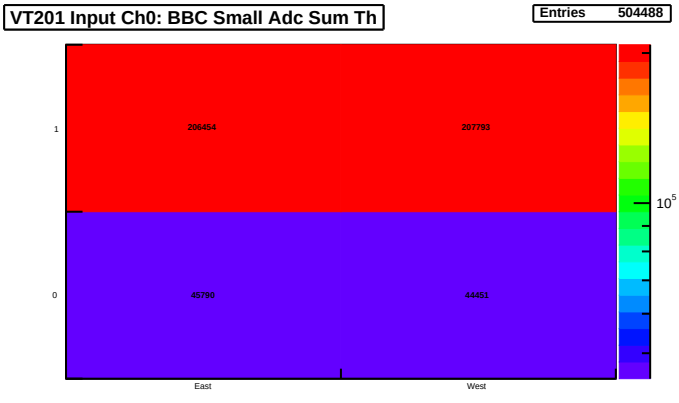

zdcWestTacVsSimu
Entries 2096
Data
Simu

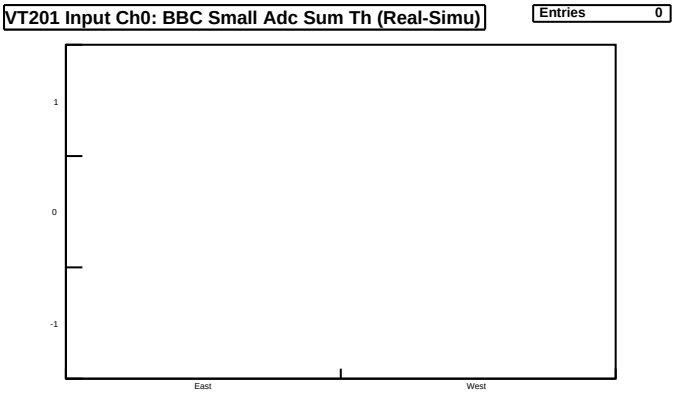

zdcAdcSum
Entries 3026928
27580
3710
18
14
4
2
63666
5162
62
58
43
38
224664
248534
252226
252230
252240
252242
188578
247082
252182
252186
252201
252206
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

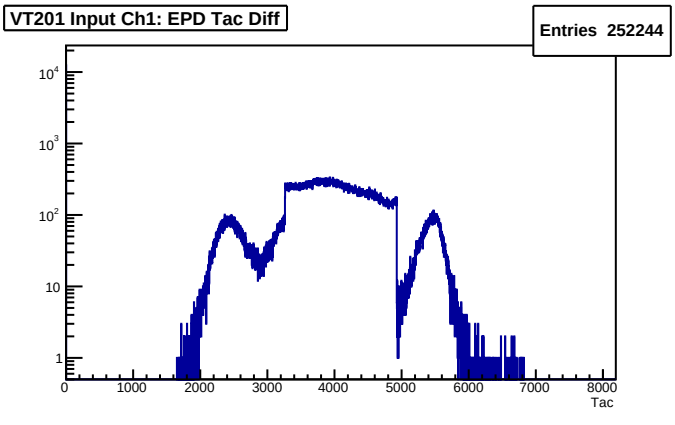

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

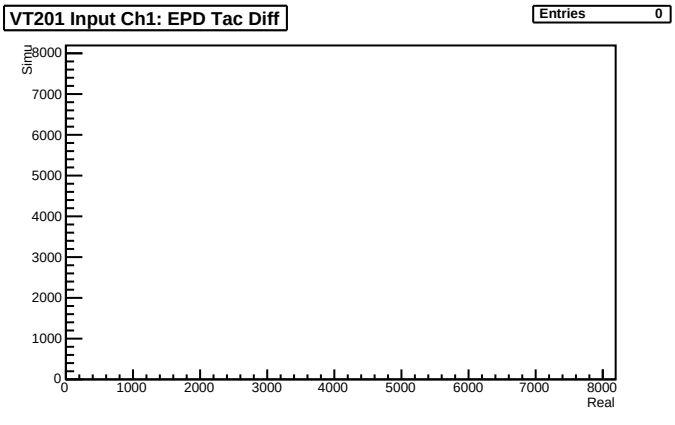

VT201 Input Ch0: BBC Small Tac Diff
Entries 252244
Tac

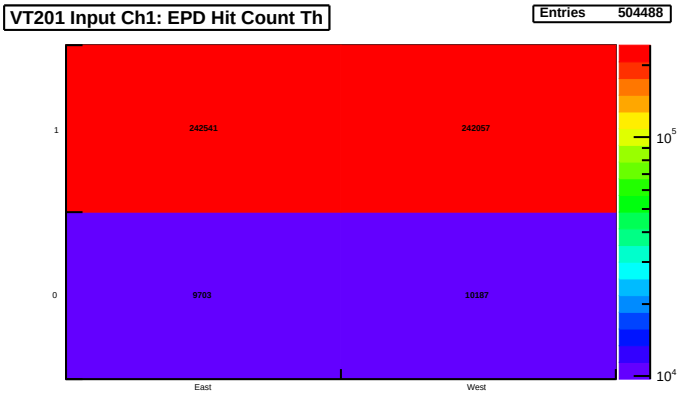

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

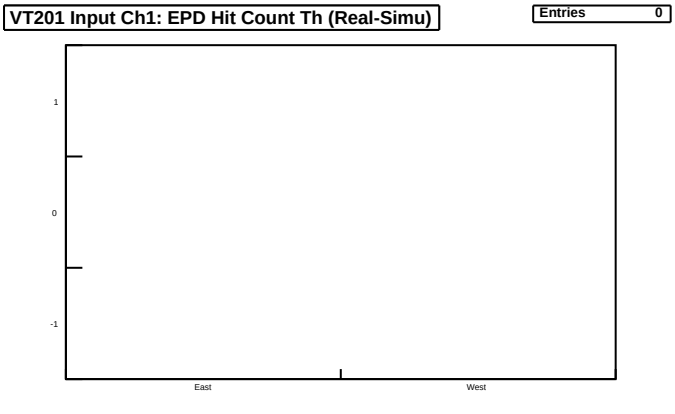

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 504488
206454
207793
45790
44451
East
West

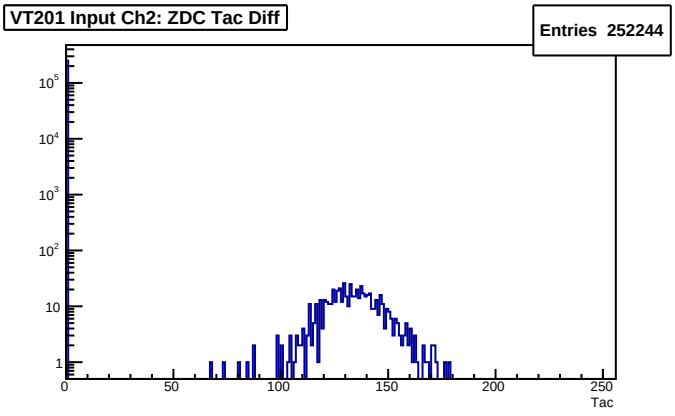

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

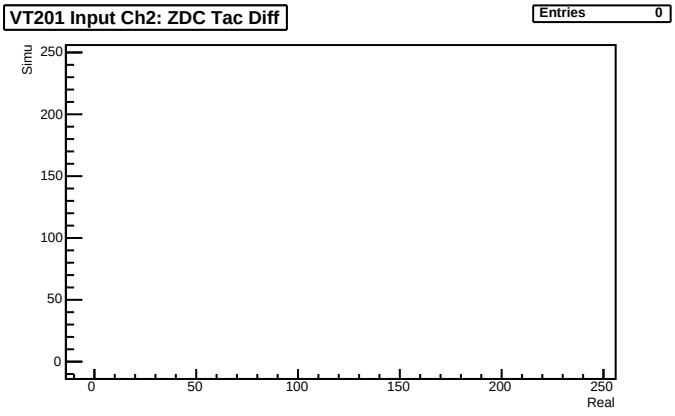

VT201 Input Ch1: EPD Tac Diff
Entries 252244
Tac

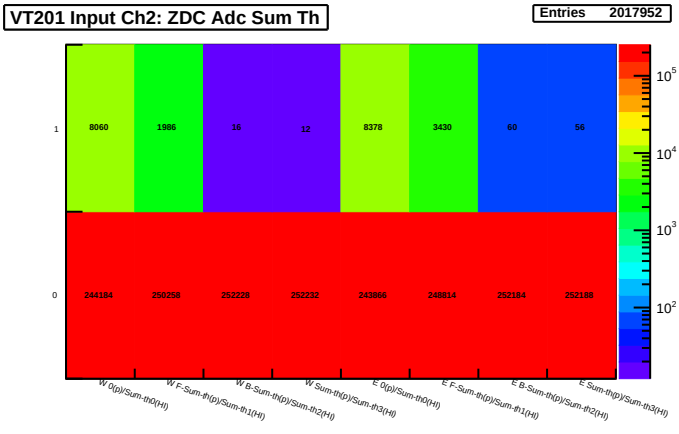

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

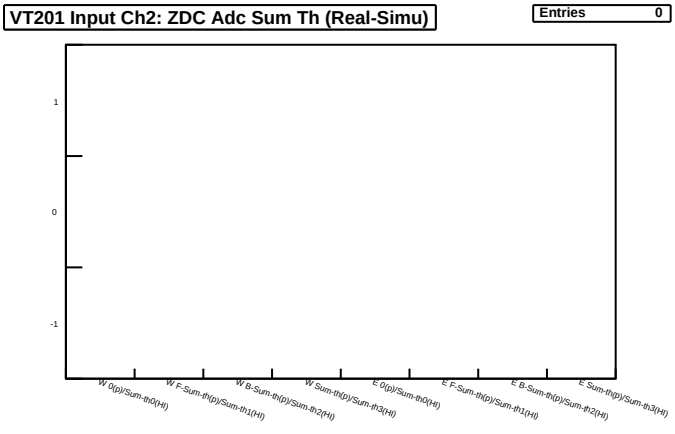

VT201 Input Ch1: EPD Hit Count Th
Entries 504488
242541
242057
9703
10187
East
West

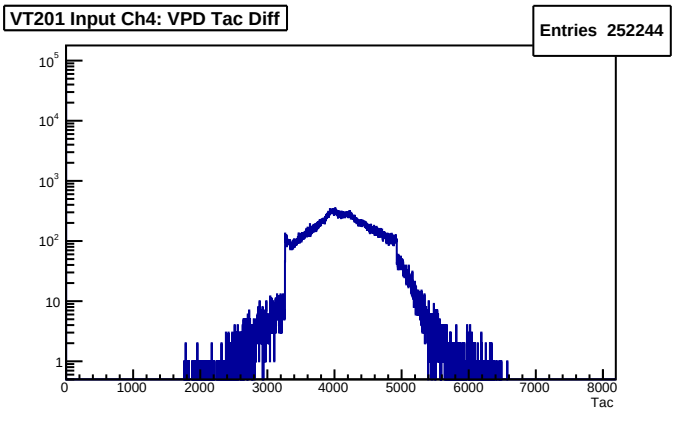

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

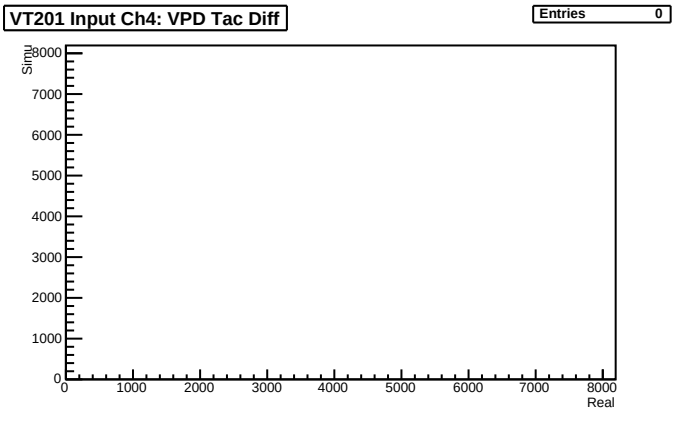

VT201 Input Ch2: ZDC Tac Diff
Entries 252244
Tac

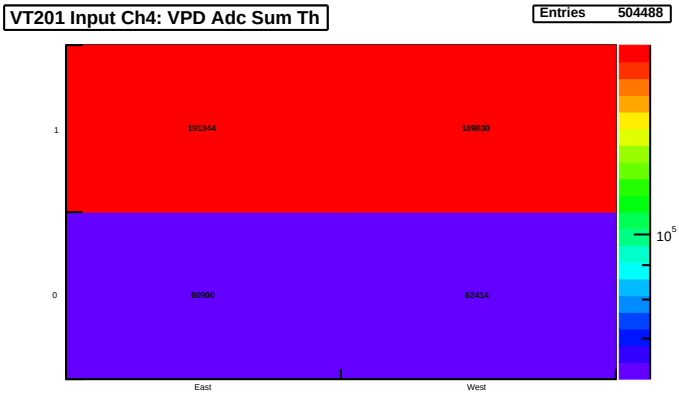

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

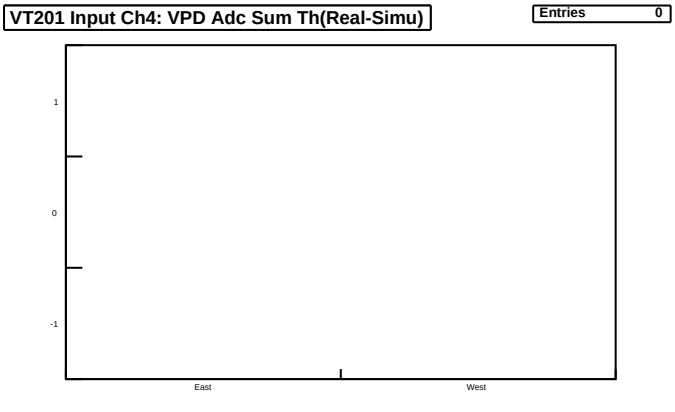

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2017952
8060
1986
16
12
8378
3430
60
56
244184
250258
252228
252232
243866
248814
252184
252188
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

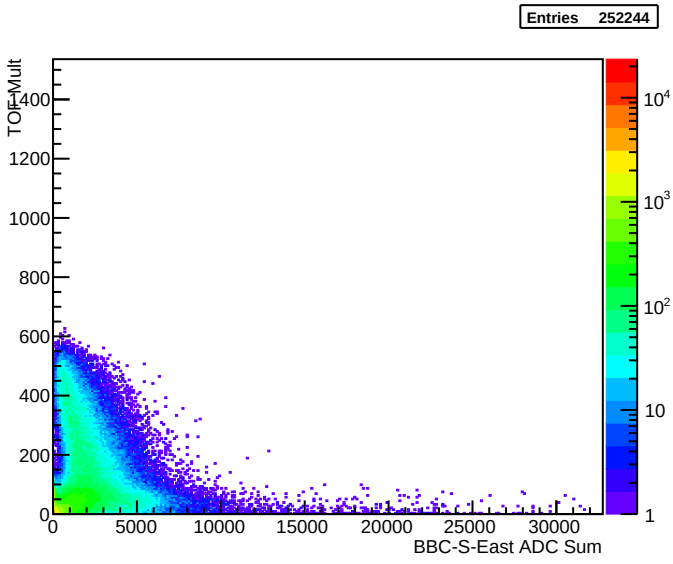

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

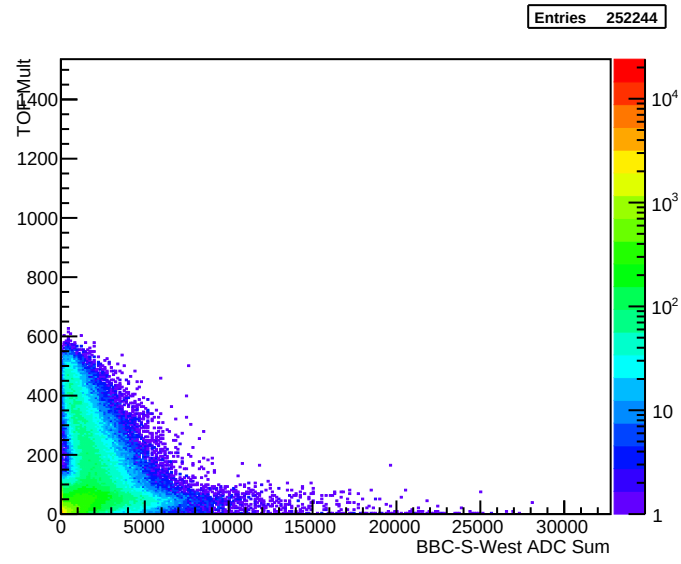

VT201 Input Ch4: VPD Tac Diff
Entries 252244
Tac

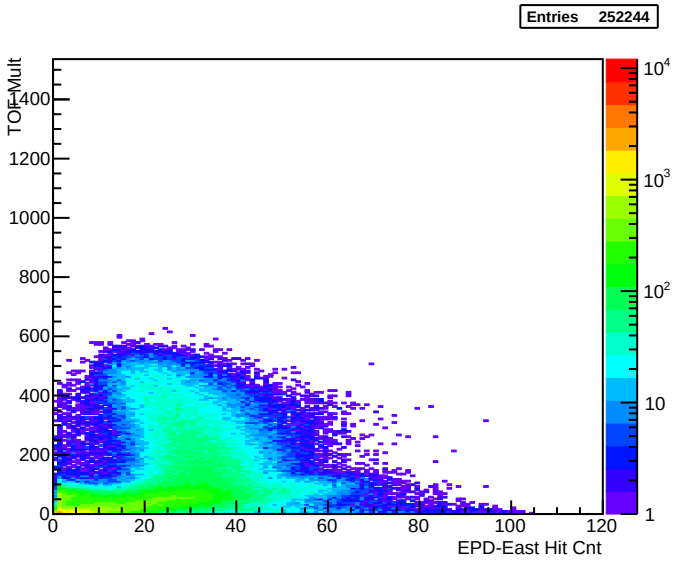

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

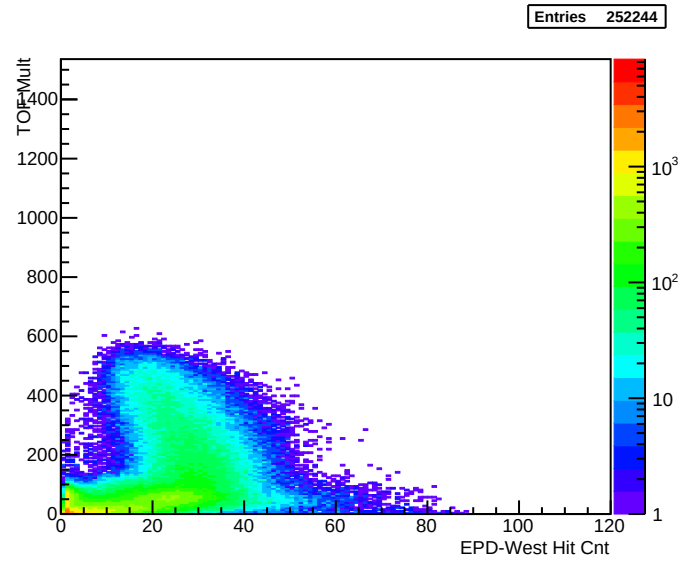

VT201 Input Ch4: VPD Adc Sum Th
Entries 504488
191344
189830
60900
62414
East
West

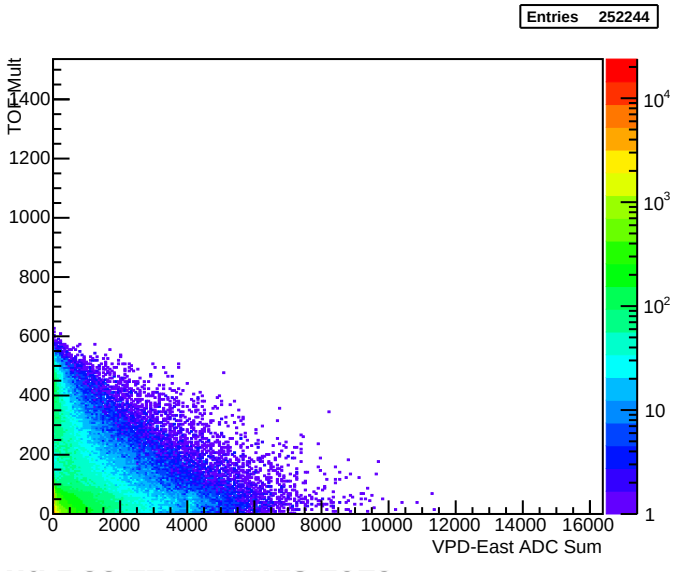

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

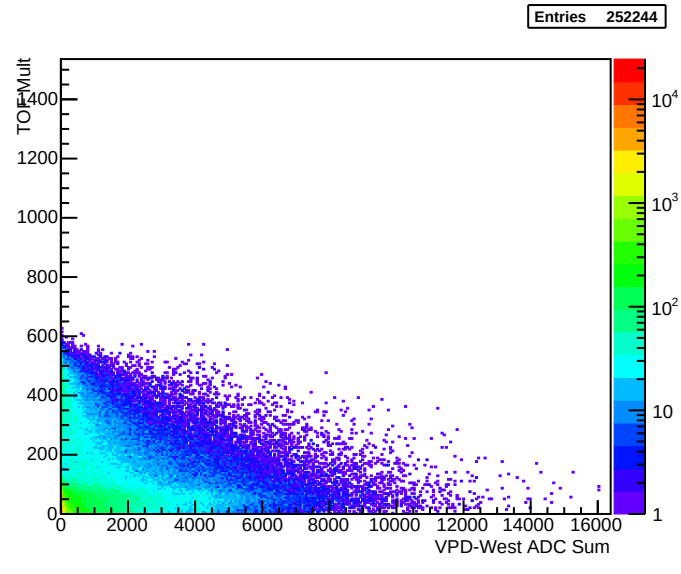

Entries 252244
TOF-Mult
BBC-S-East ADC Sum

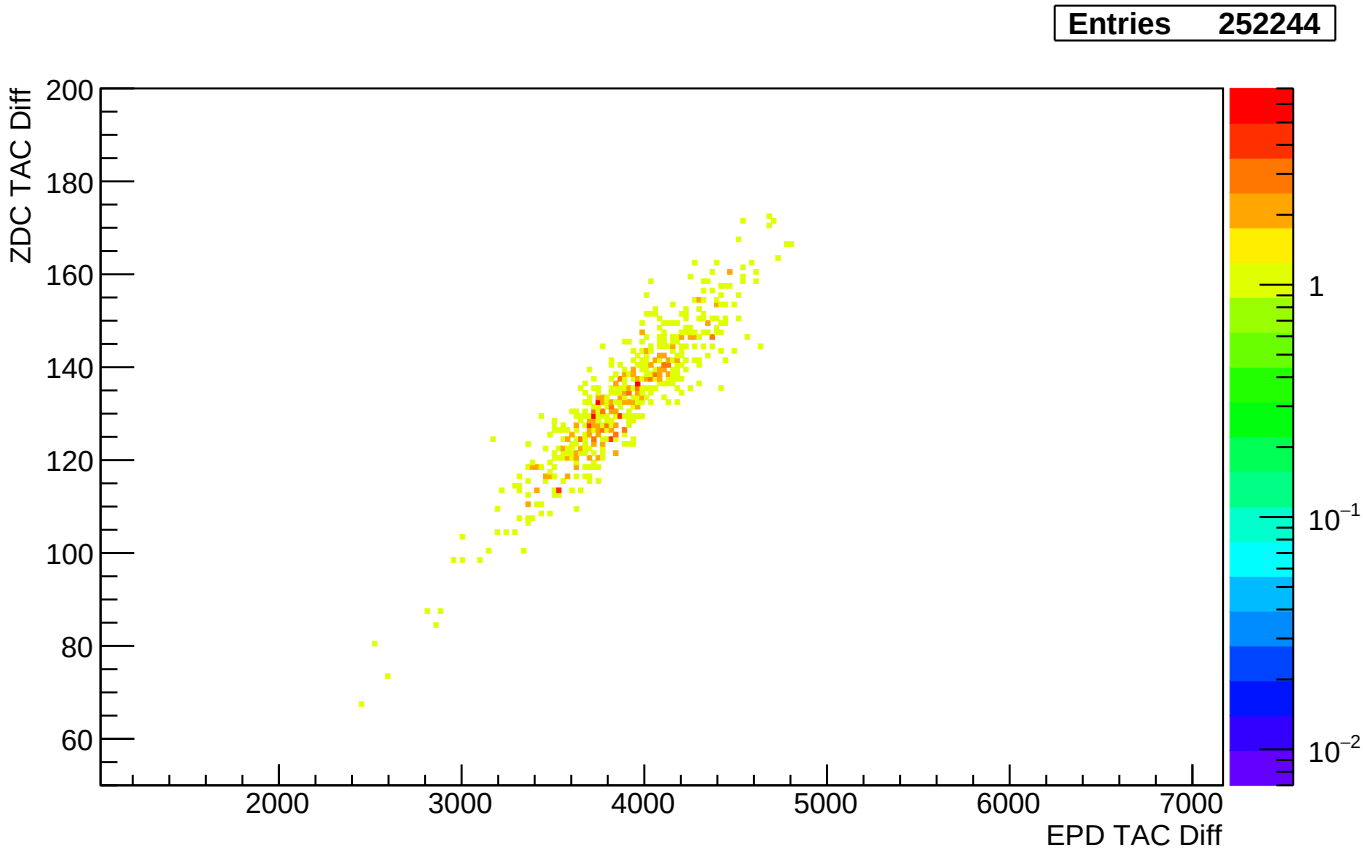

Entries 252244
TOF-Mult
BBC-S-West ADC Sum

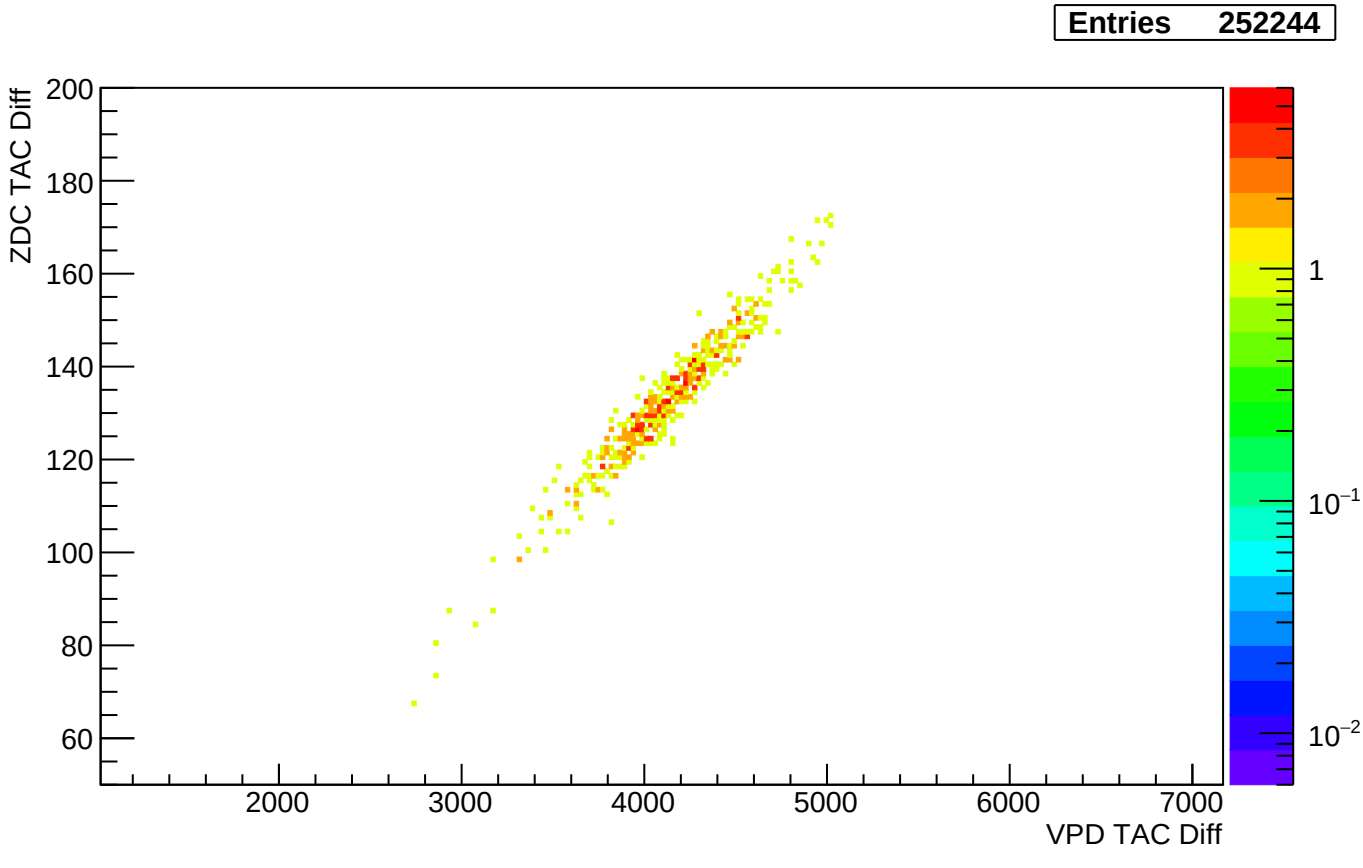

Entries 252244
TOF-Mult
EPD-East Hit Cnt

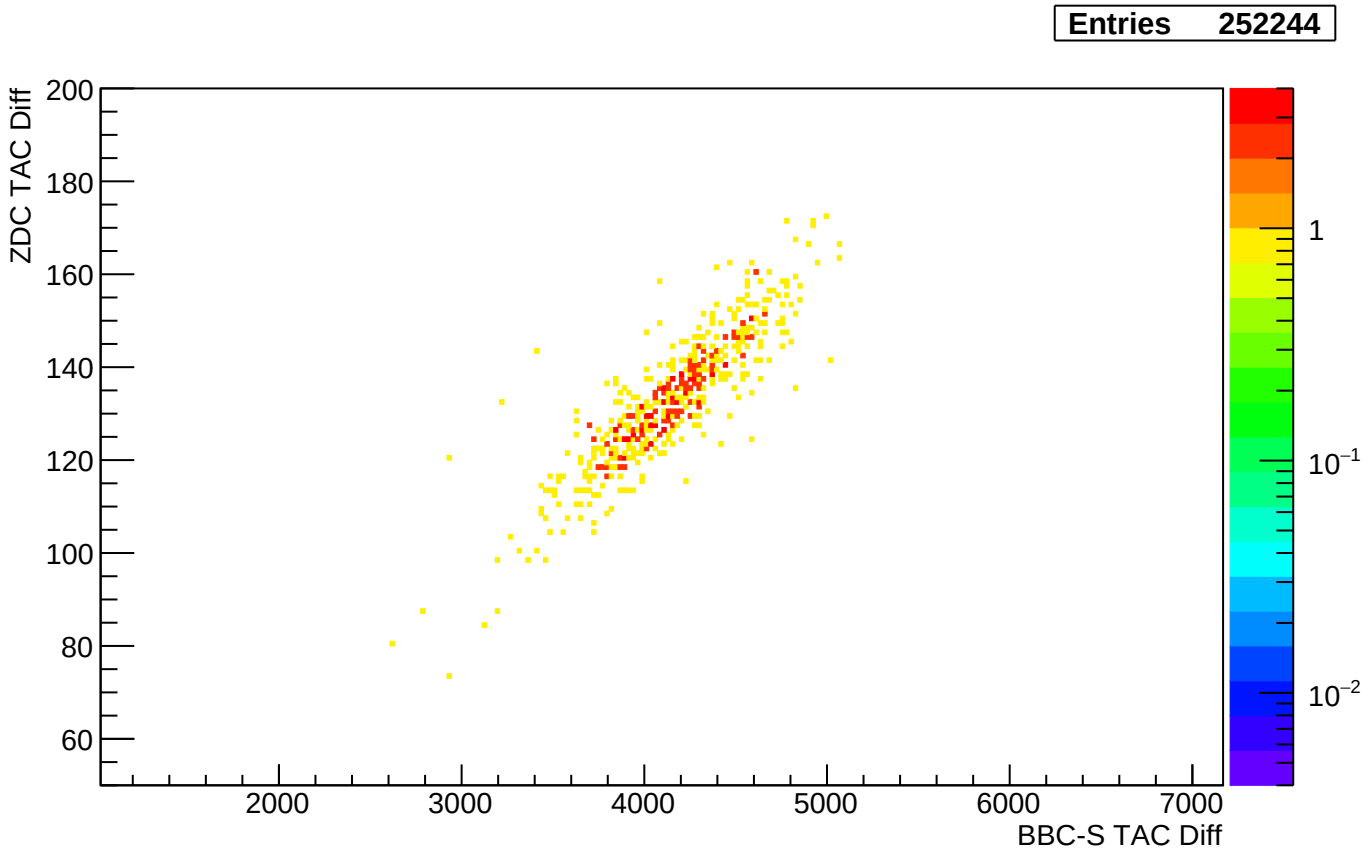

Entries 252244
TOF-Mult
EPD-West Hit Cnt

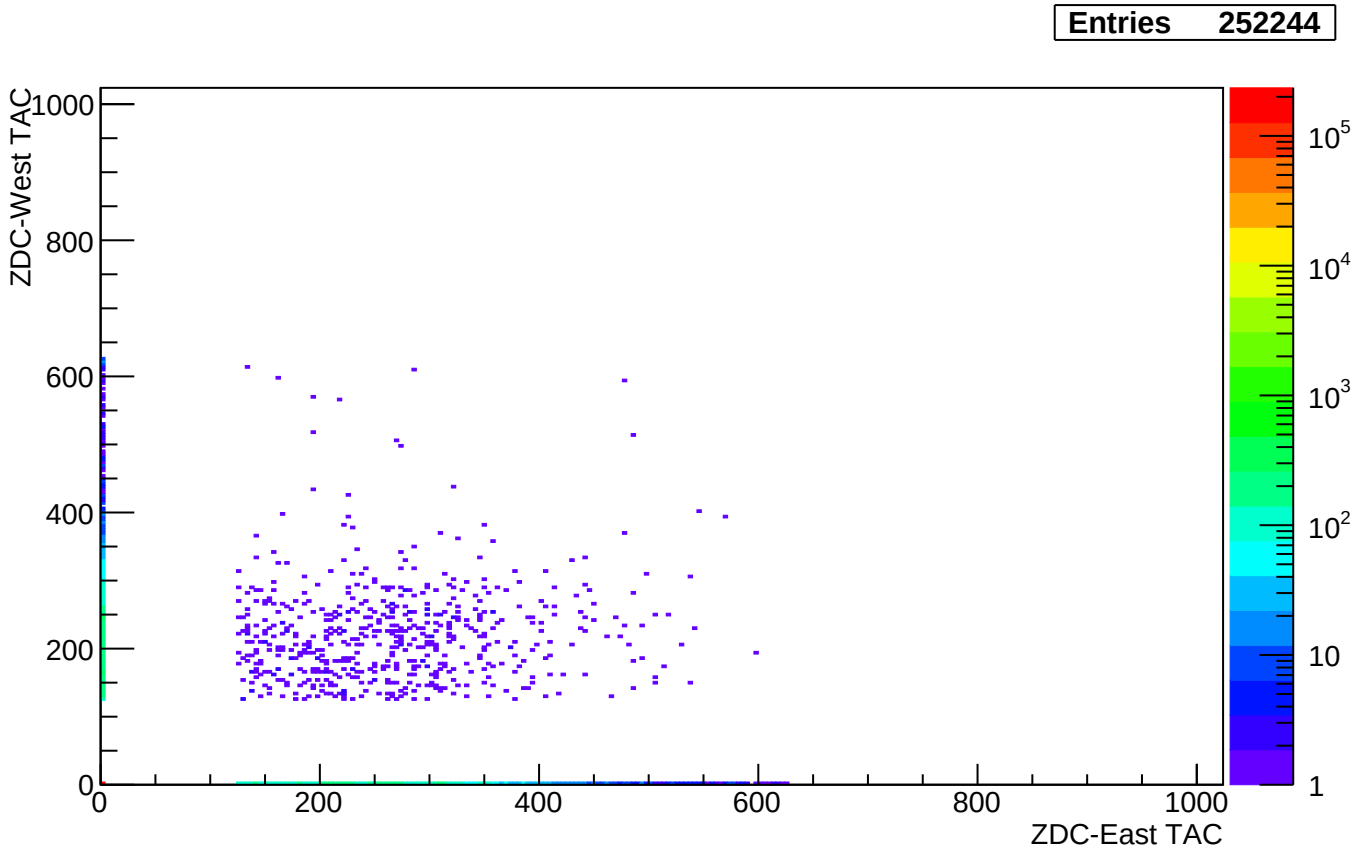

Entries 252244
TOF-Mult
VPD-East ADC Sum

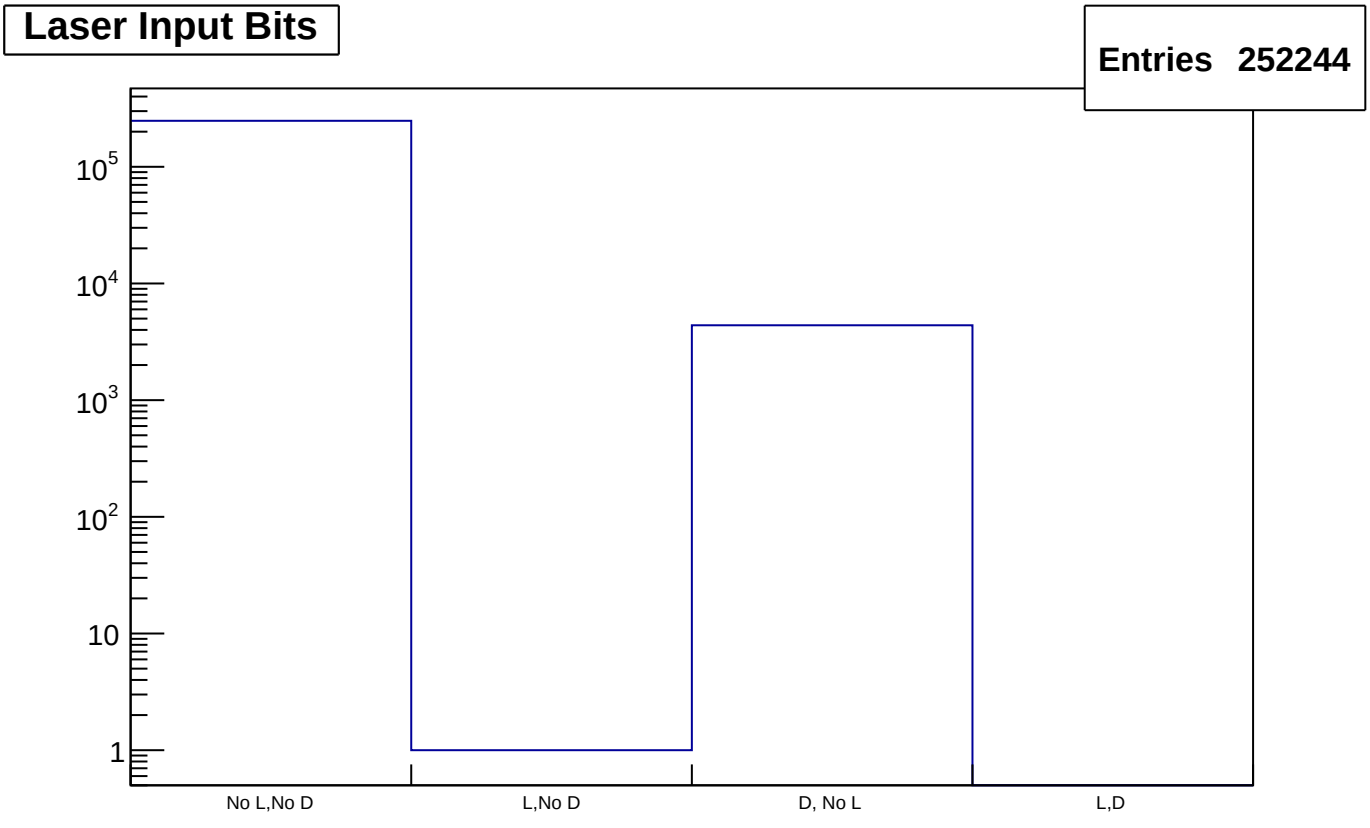

Entries 252244
TOF-Mult
VPD-West ADC Sum

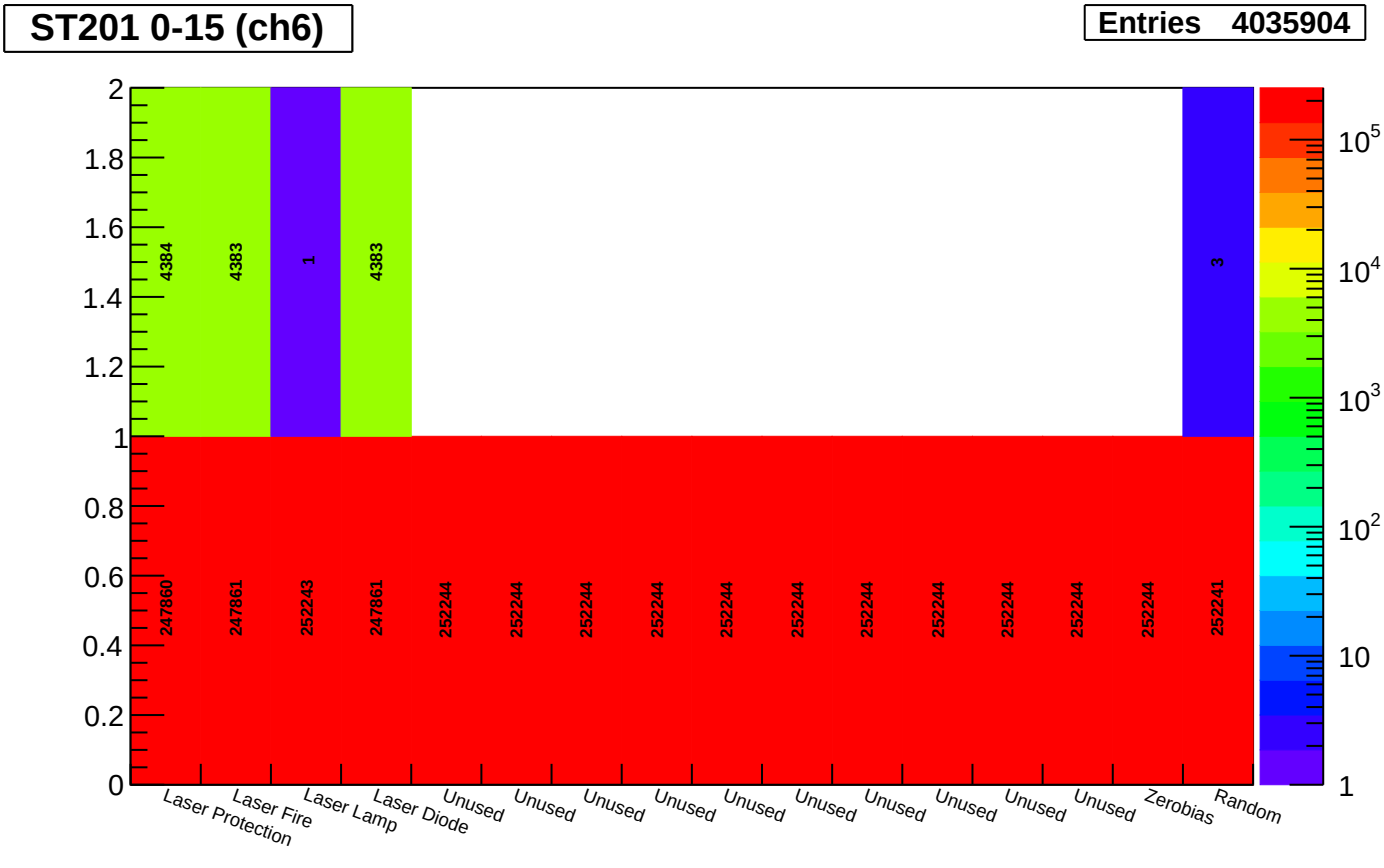

Entries 252244
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

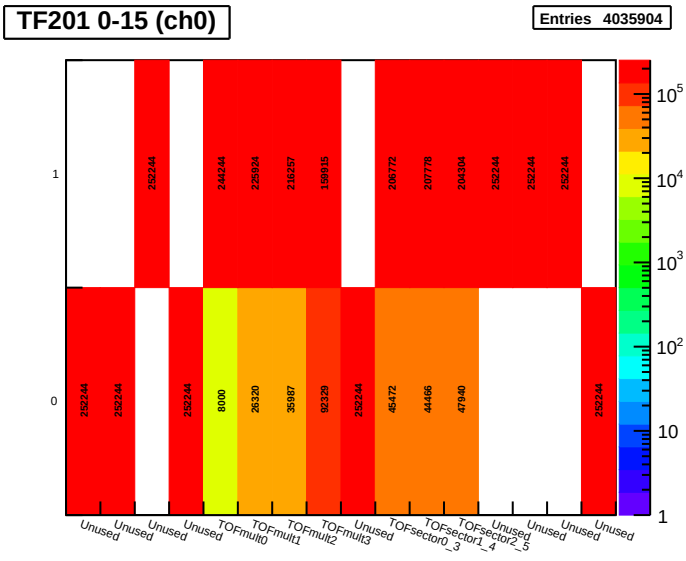

Entries 252244
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

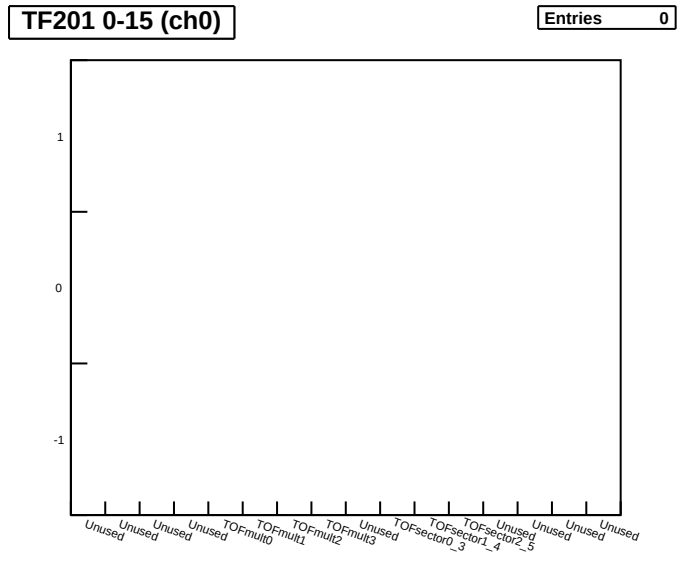

Entries 252244
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

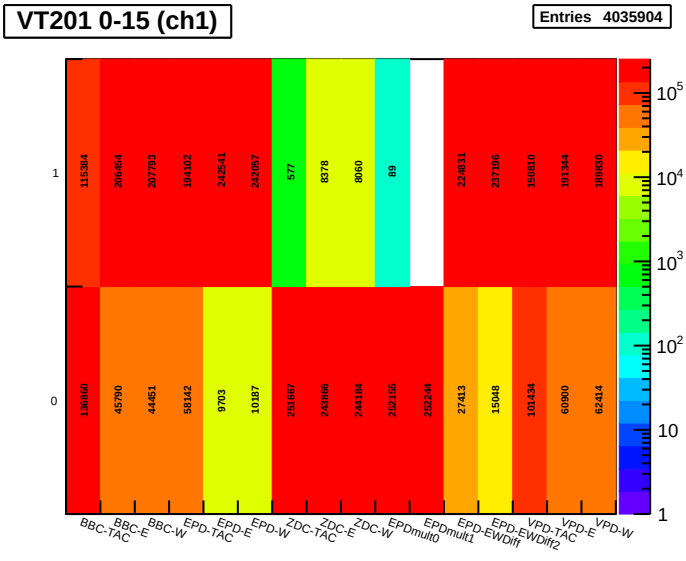

Entries 252244
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

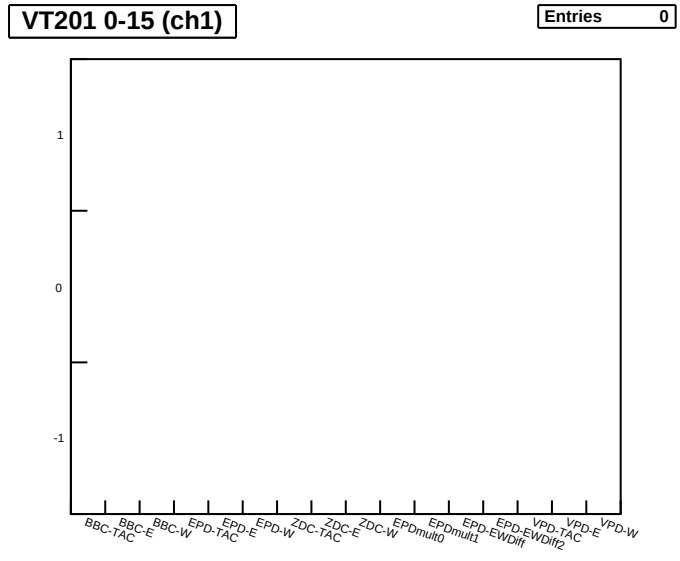

Laser Input Bits
Entries 252244
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

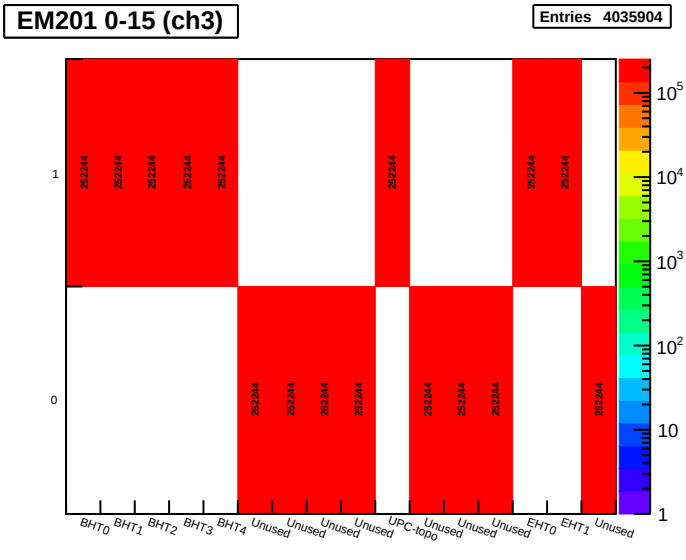

ST201 0-15 (ch6)
Entries 4035904
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4384
4383
1
4383
3
247860
247861
252243
247861
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252241
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

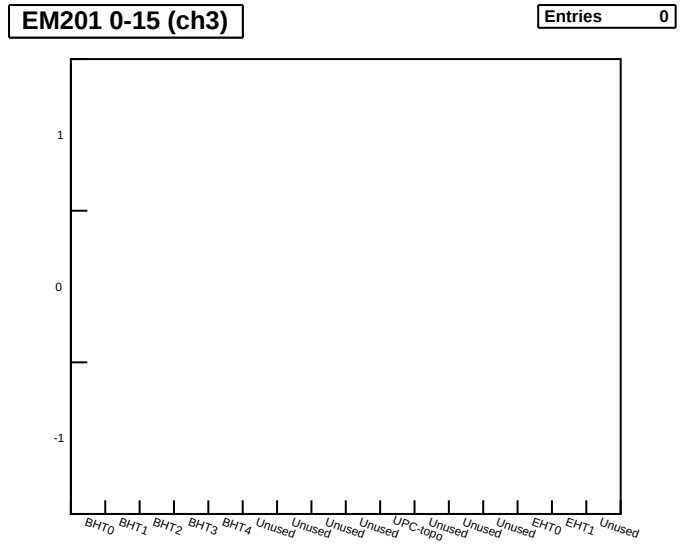

TF201 0-15 (ch0)
Entries 4035904
1
0
252244
244244
225924
216257
159915
206772
207778
204304
252244
252244
252244
252244
252244
8000
26320
35987
92329
252244
45472
44466
47940
252244
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
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 4035904
1
0
115384
206454
207793
194102
240541
242057
577
8378
8060
89
224831
237196
150810
191344
189830
136860
45790
44451
58142
9703
10187
251667
243866
244184
252155
252244
27413
15048
101434
60900
62414
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 4035904
1
0
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
252244
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