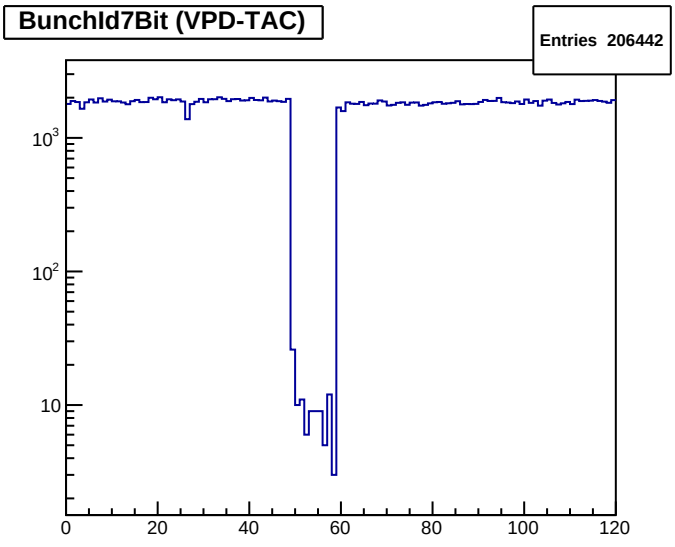
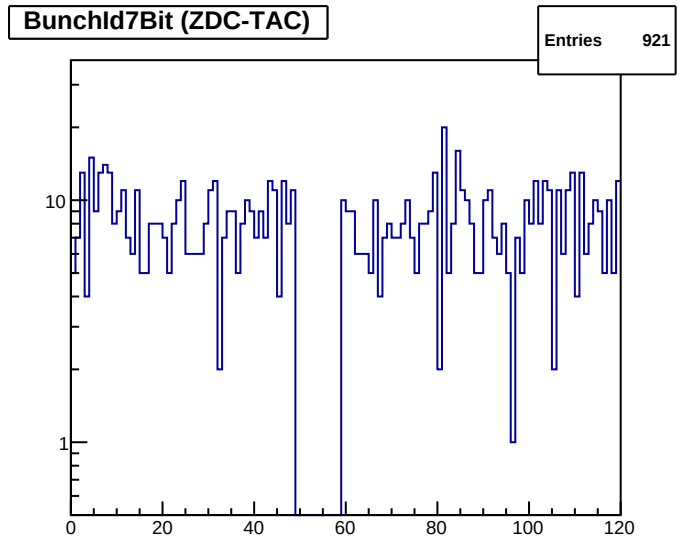
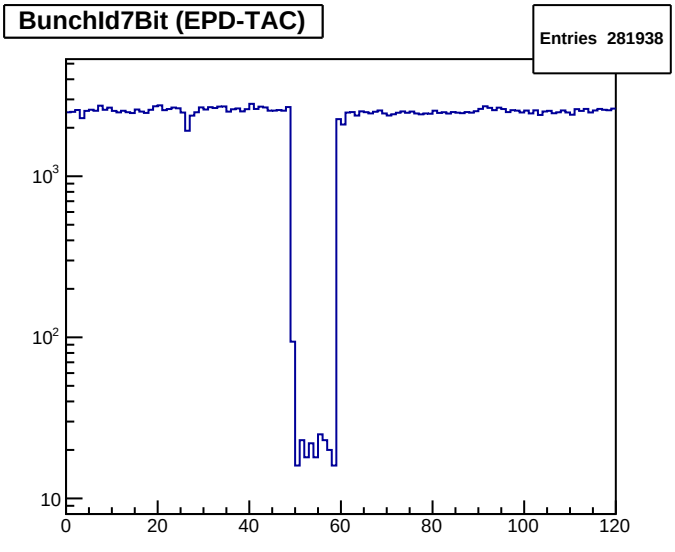
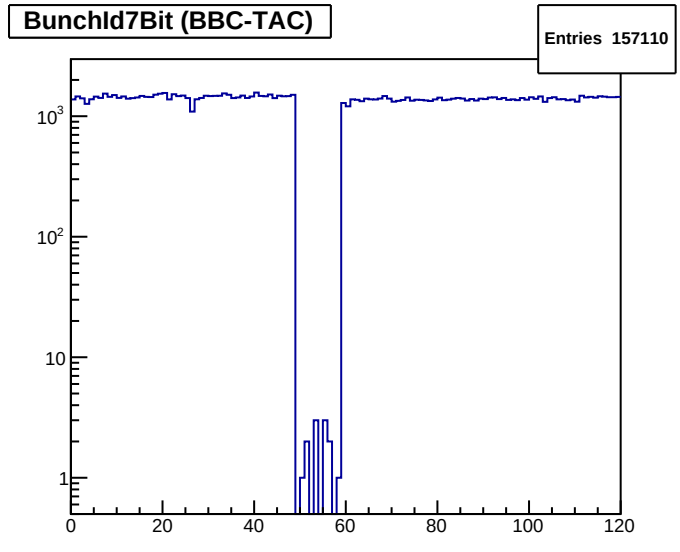
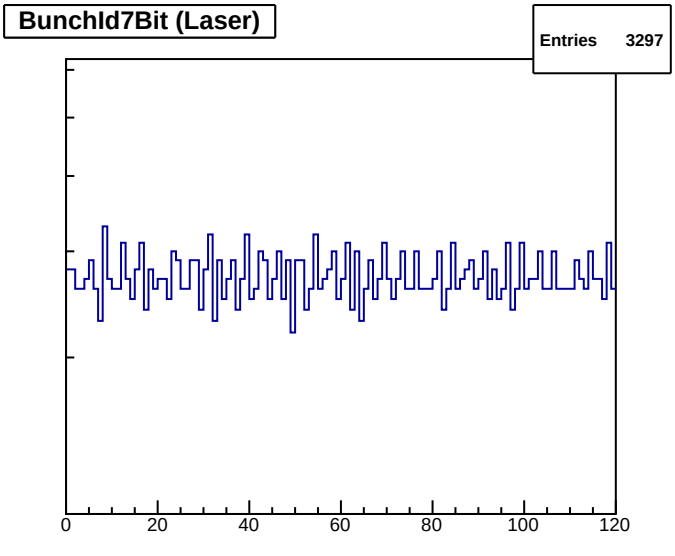
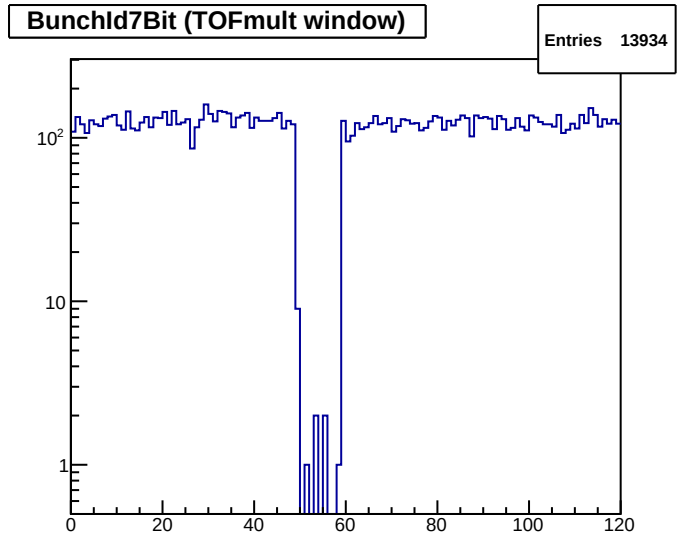

BunchId7Bit (VPD-TAC)
Entries 206442
10^3
10^2
10
0 20 40 60 80 100 120

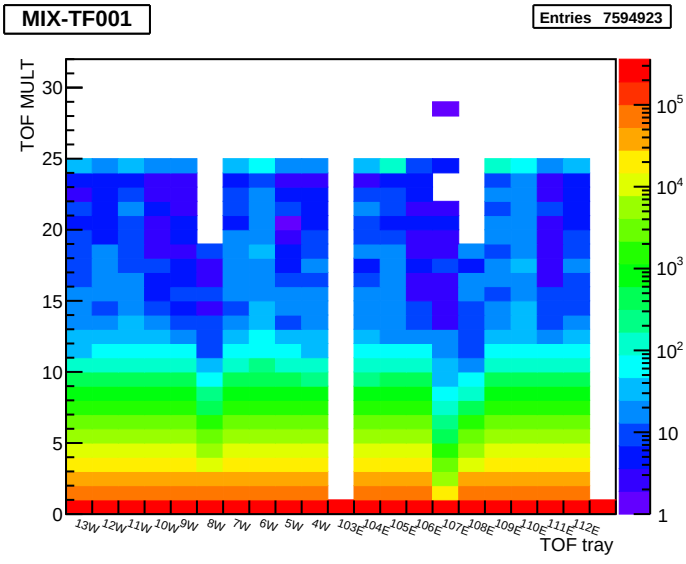

BunchId7Bit (ZDC-TAC)
Entries 921
10
1
0 20 40 60 80 100 120

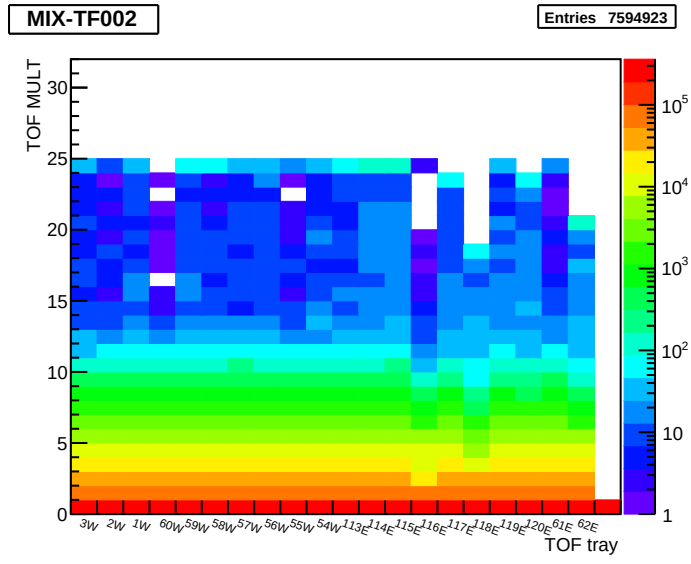

BunchId7Bit (EPD-TAC)
Entries 281938
10^3
10^2
10
0 20 40 60 80 100 120

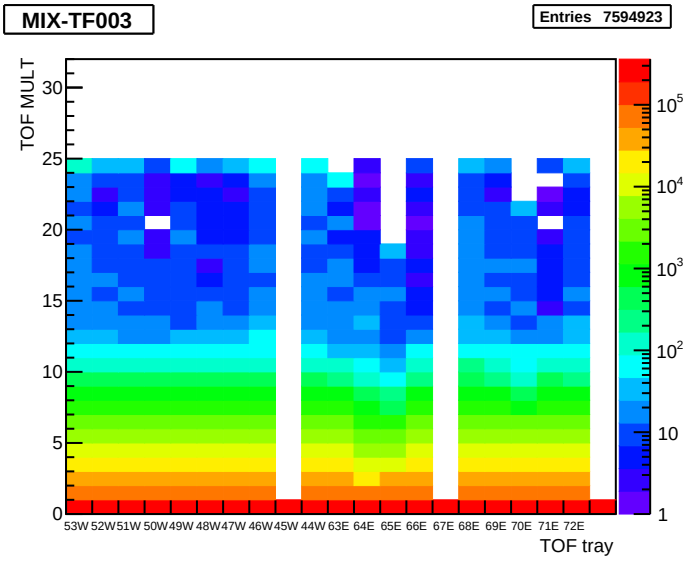

BunchId7Bit (BBC-TAC)
Entries 157110
10^3
10^2
10
1
0 20 40 60 80 100 120

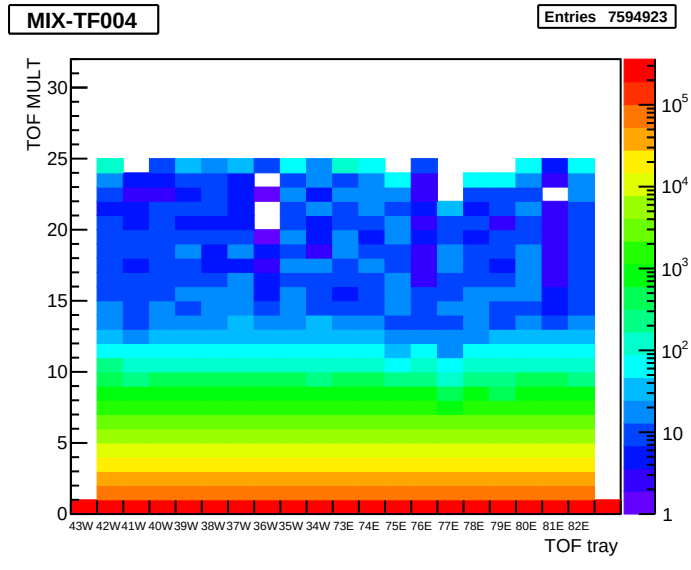

BunchId7Bit (Laser)
Entries 3297
0 20 40 60 80 100 120

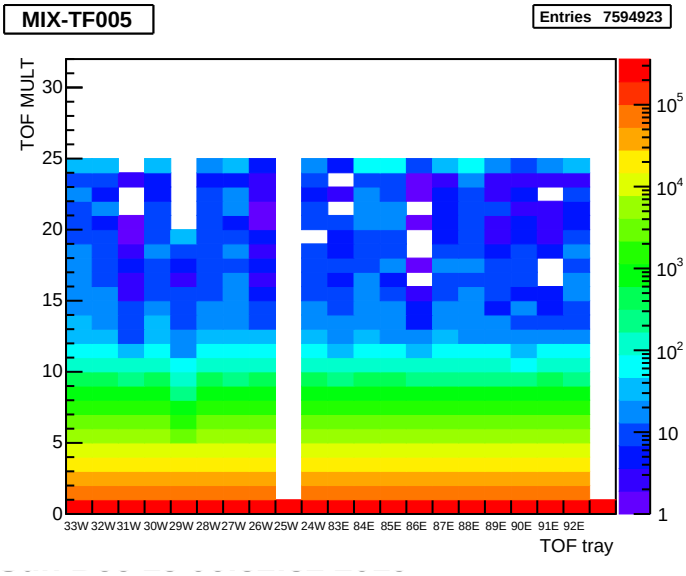

BunchId7Bit (TOFmult window)
Entries 13934
10^2
10
1
0 20 40 60 80 100 120

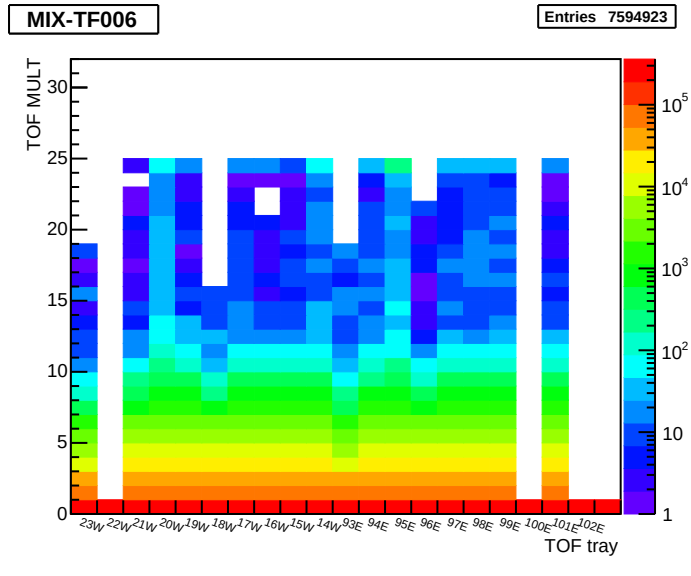

MIX-TF001
Entries 7594923
TOF MULT
TOF tray

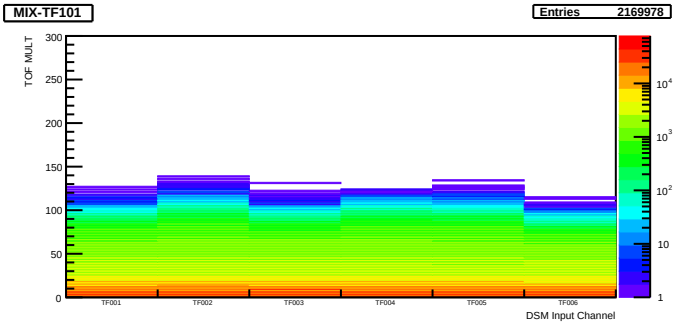

MIX-TF002
Entries 7594923
TOF MULT
TOF tray

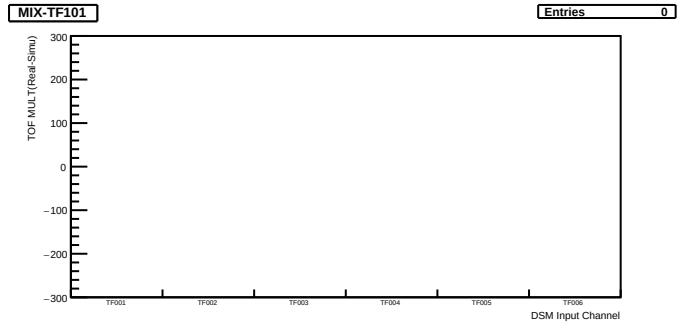

MIX-TF003
Entries 7594923
TOF MULT
TOF tray

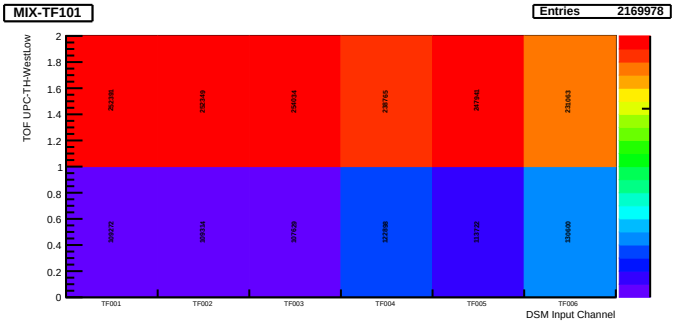

MIX-TF004
Entries 7594923
TOF MULT
TOF tray

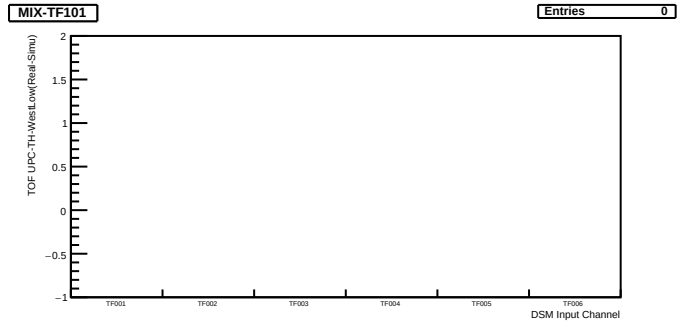

MIX-TF005
Entries 7594923
TOF MULT
TOF tray

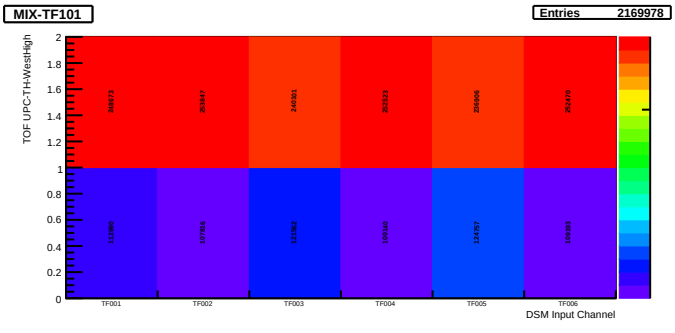

MIX-TF006
Entries 7594923
TOF MULT
TOF tray

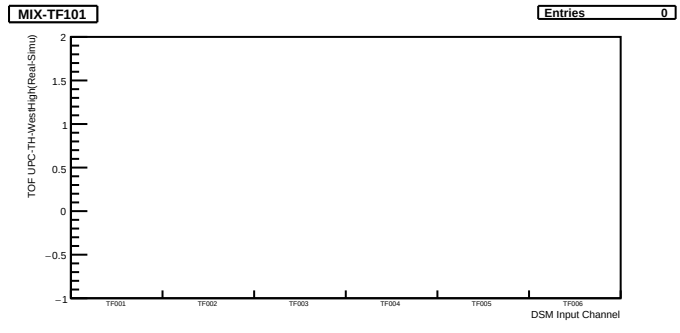

MIX-TF101
Entries 2169978
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

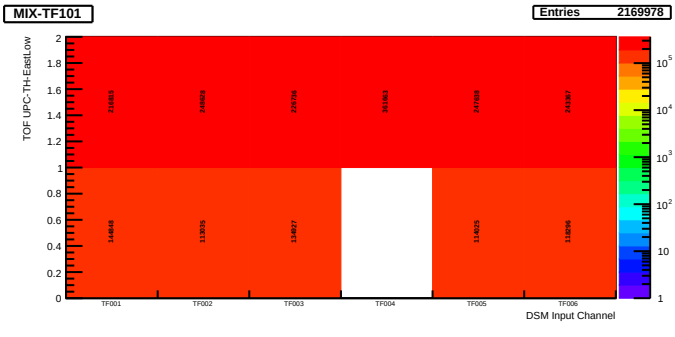

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

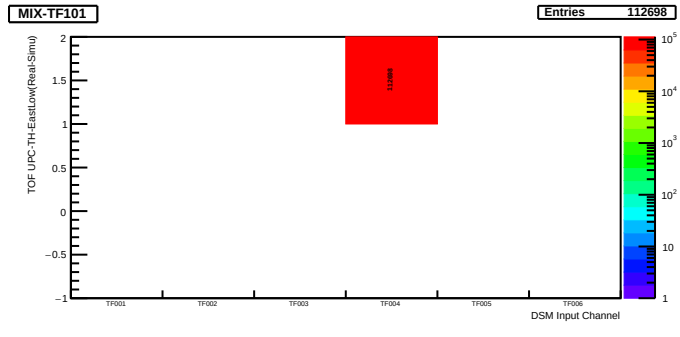

MIX-TF101
Entries 2169978
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

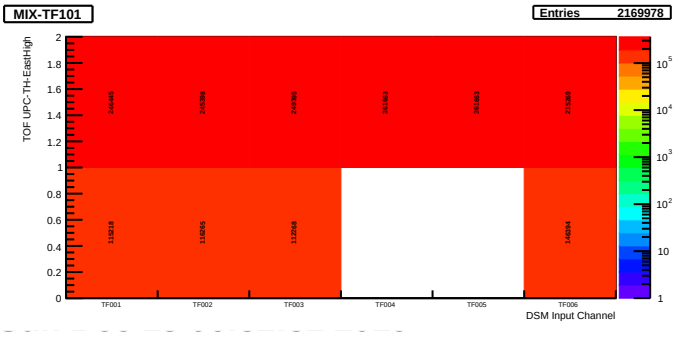

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

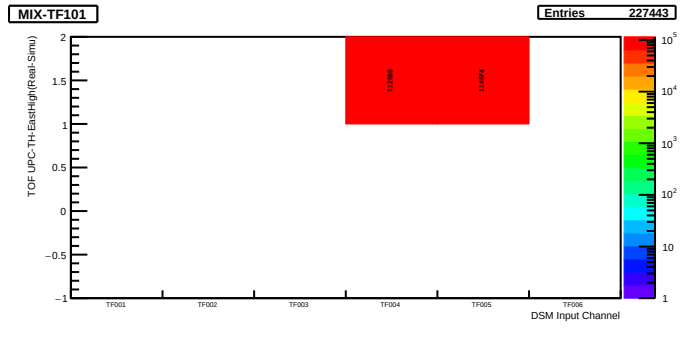

MIX-TF101
Entries 2169978
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

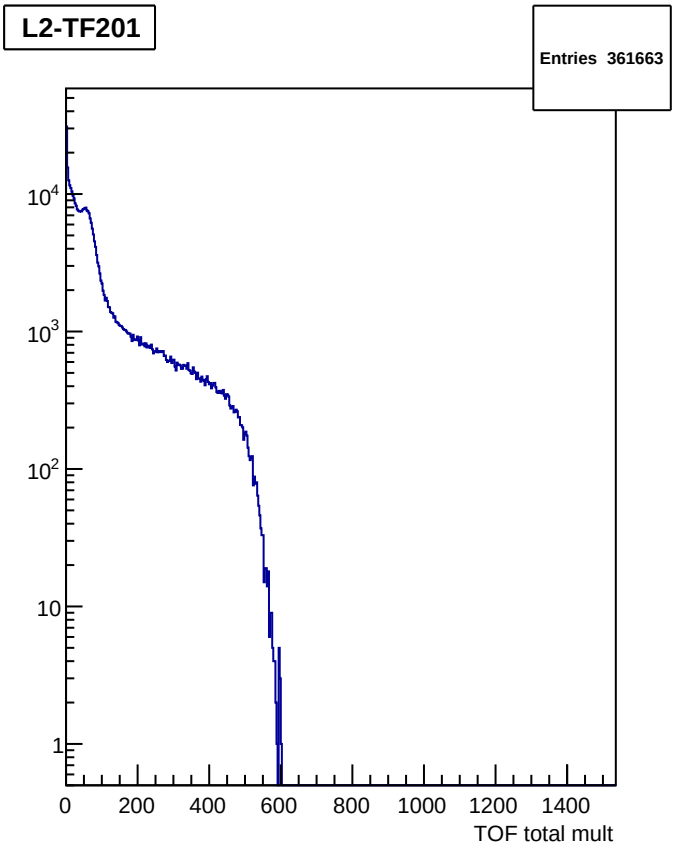

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

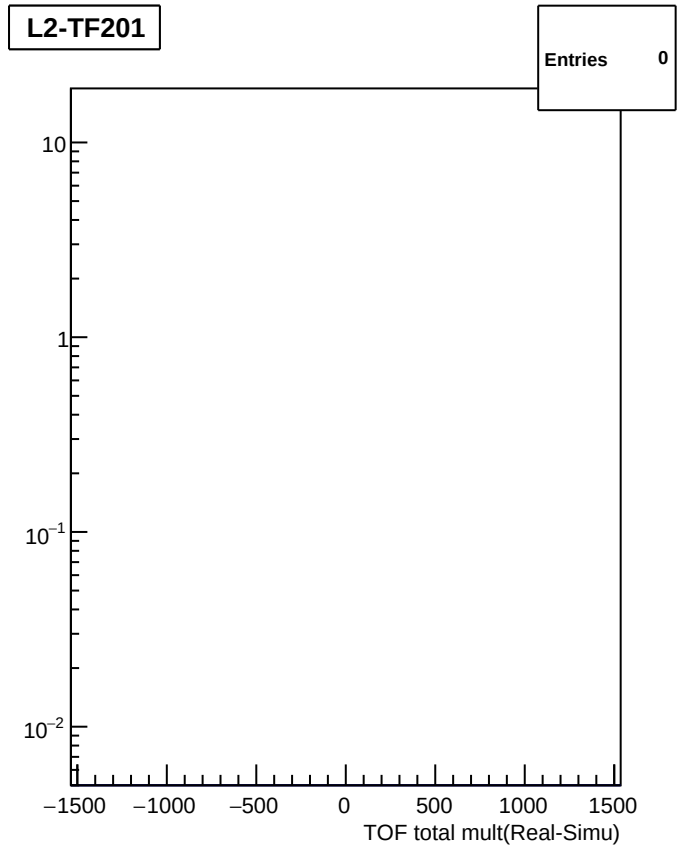

MIX-TF101
Entries 2169978
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

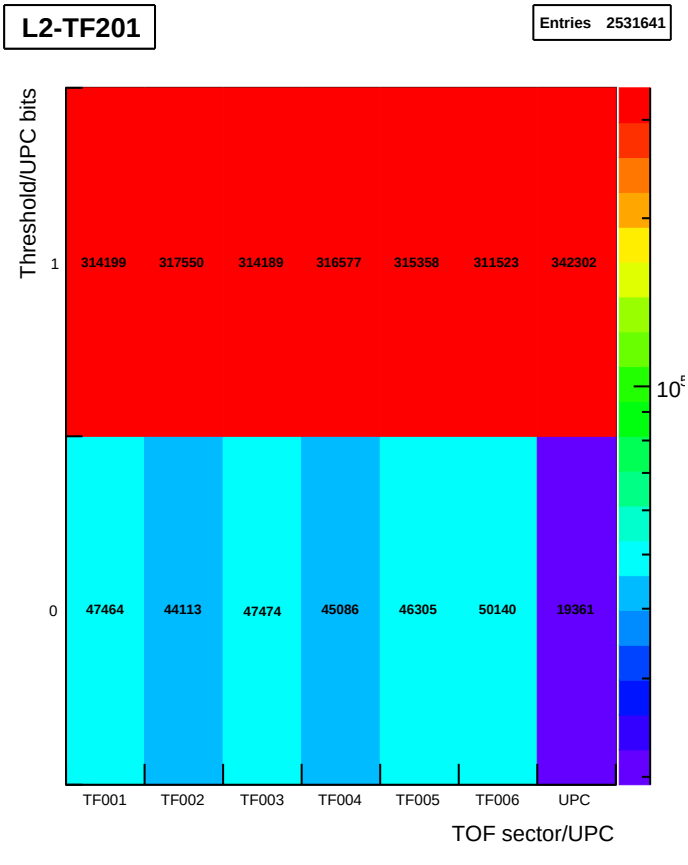

MIX-TF101
Entries 112698
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

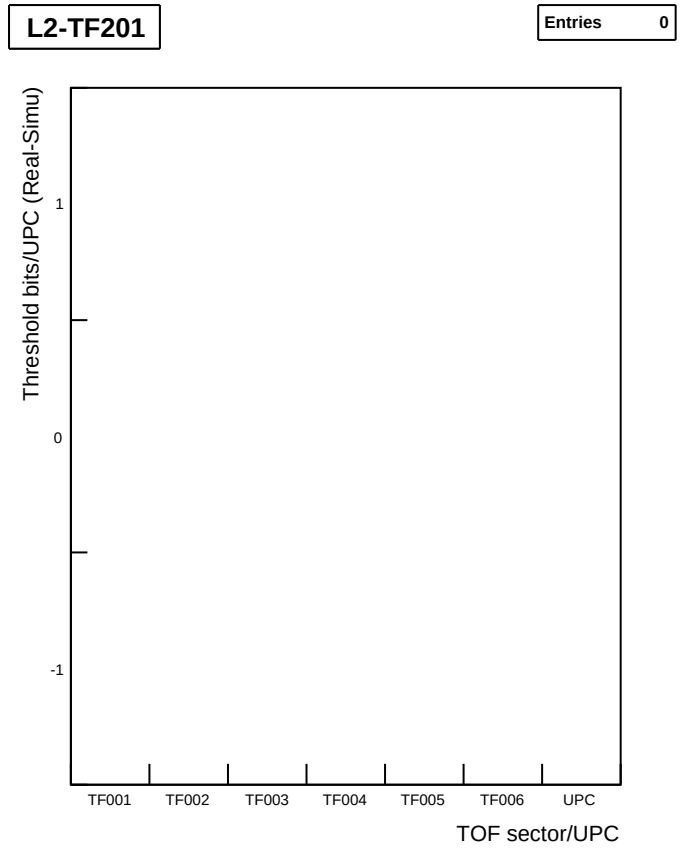

MIX-TF101
Entries 2169978
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

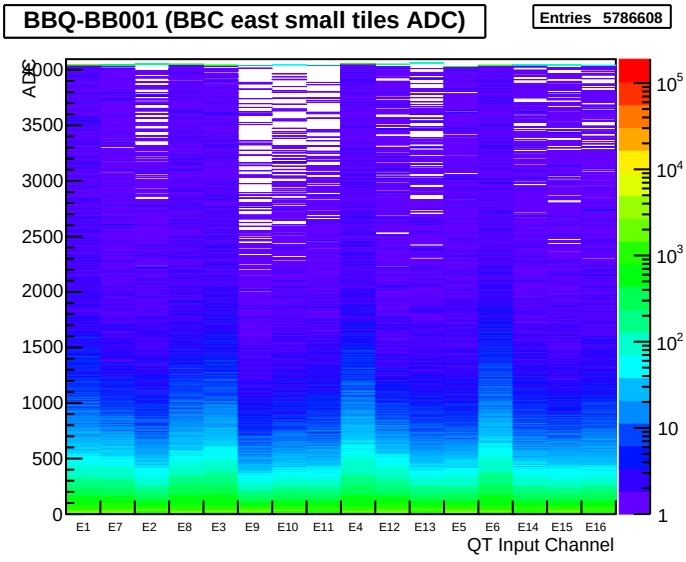

MIX-TF101
Entries 227443
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

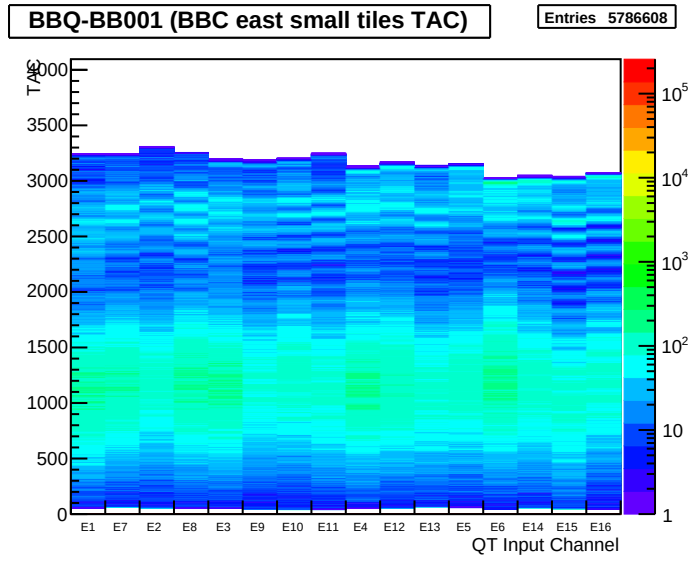

L2-TF201
Entries 361663
TOF total mult

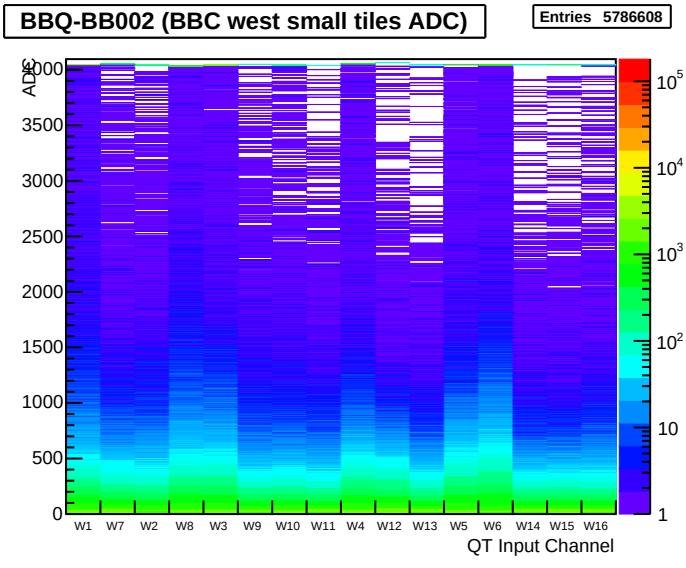

L2-TF201
Entries 0
TOF total mult(Real-Simu)

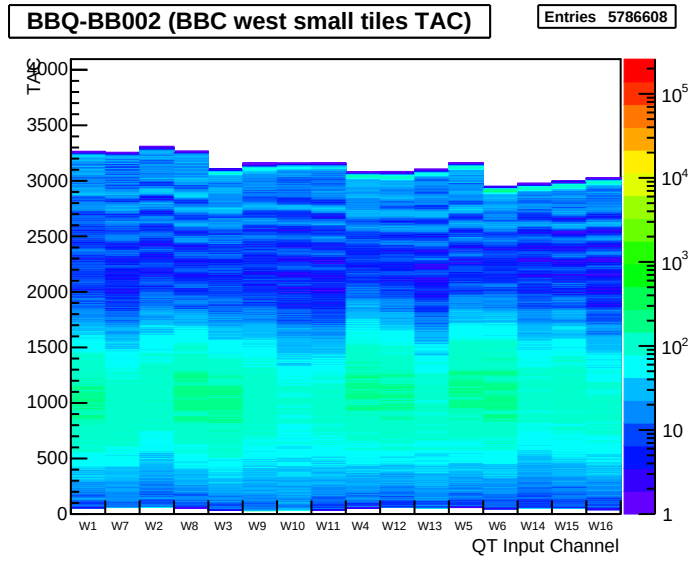

L2-TF201
Entries 2531641
Threshold/UPC bits
314199
317550
314189
316577
315358
311523
342302
47464
44113
47474
45086
46305
50140
19361
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

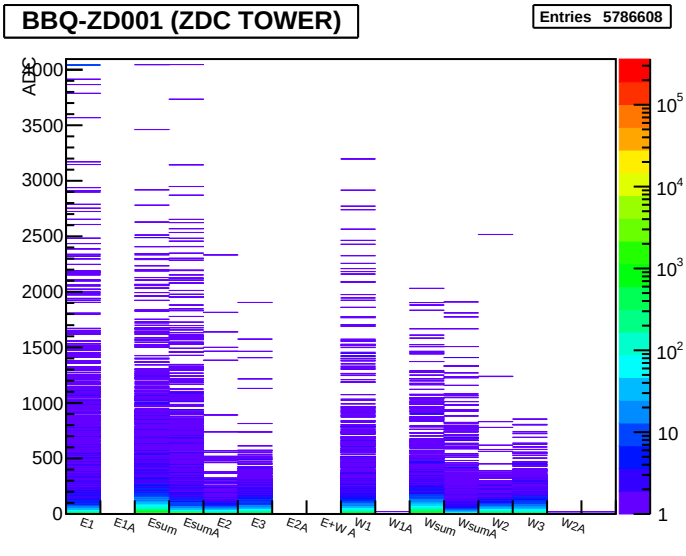

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

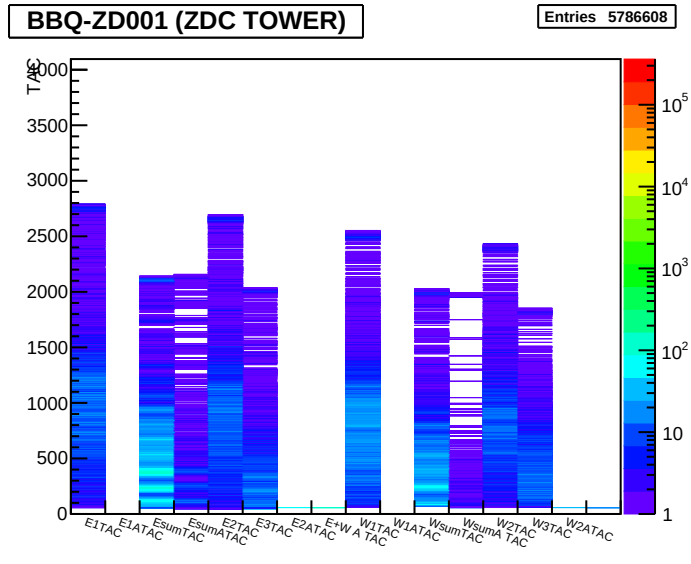

BBQ-BB001 (BBC east small tiles ADC)
Entries 5786608
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

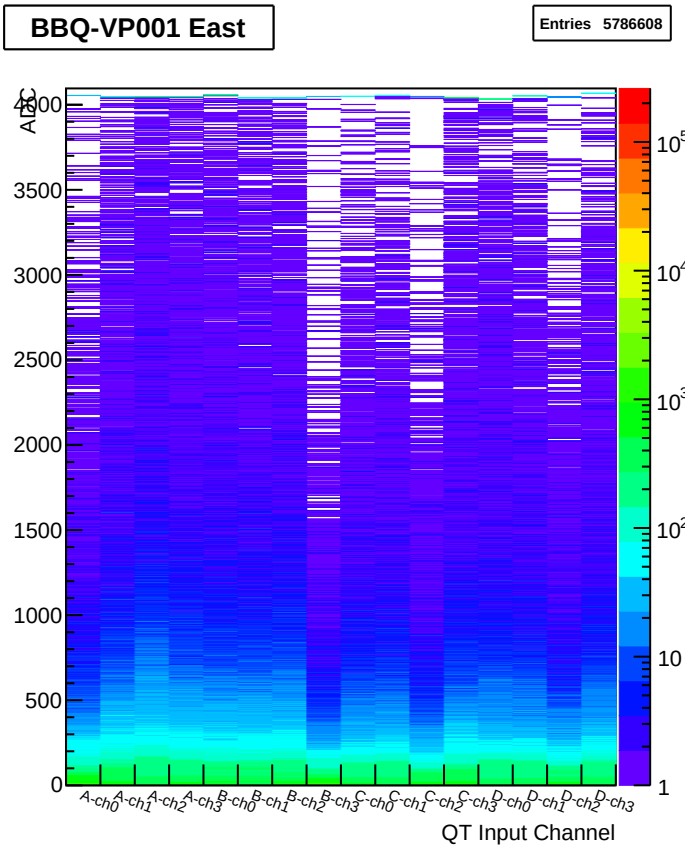

BBQ-BB001 (BBC east small tiles TAC)
Entries 5786608
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

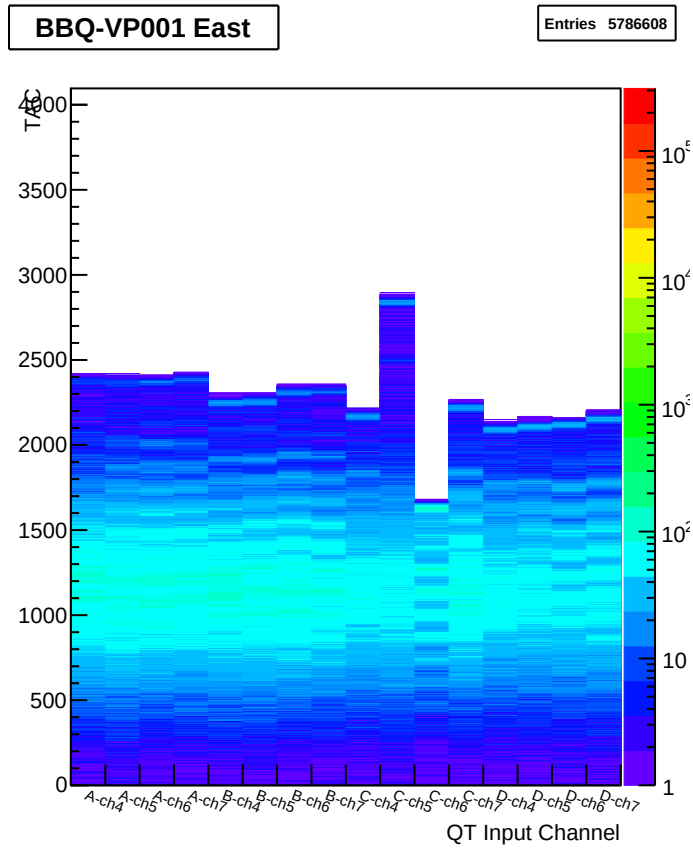

BBQ-BB002 (BBC west small tiles ADC)
Entries 5786608
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

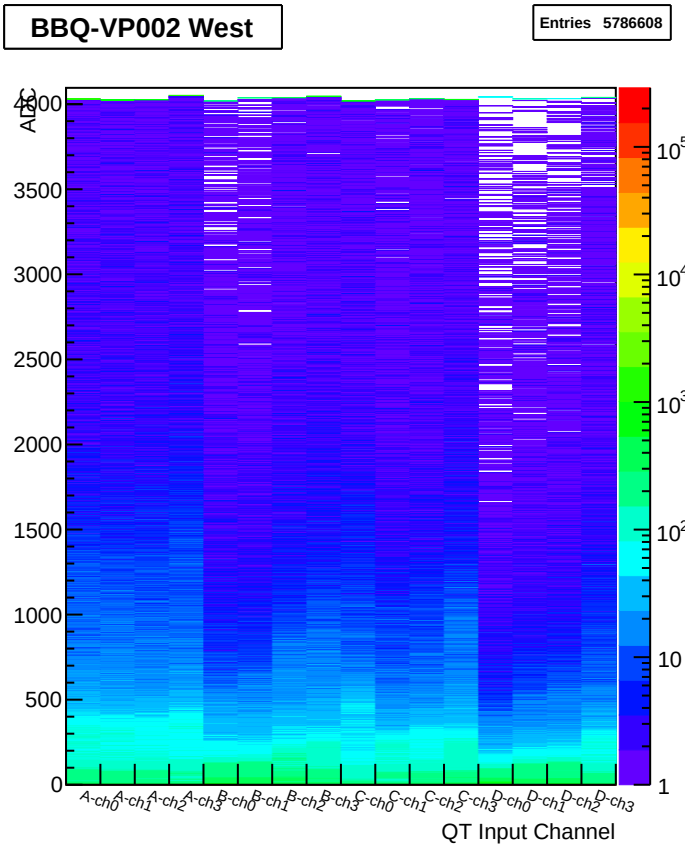

BBQ-BB002 (BBC west small tiles TAC)
Entries 5786608
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

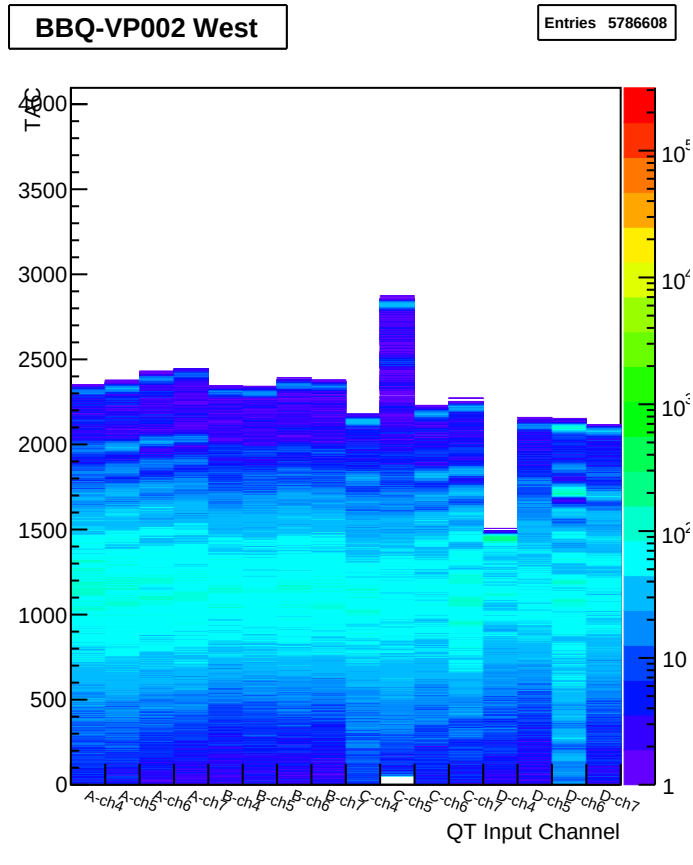

BBQ-ZD001 (ZDC TOWER)
Entries 5786608
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

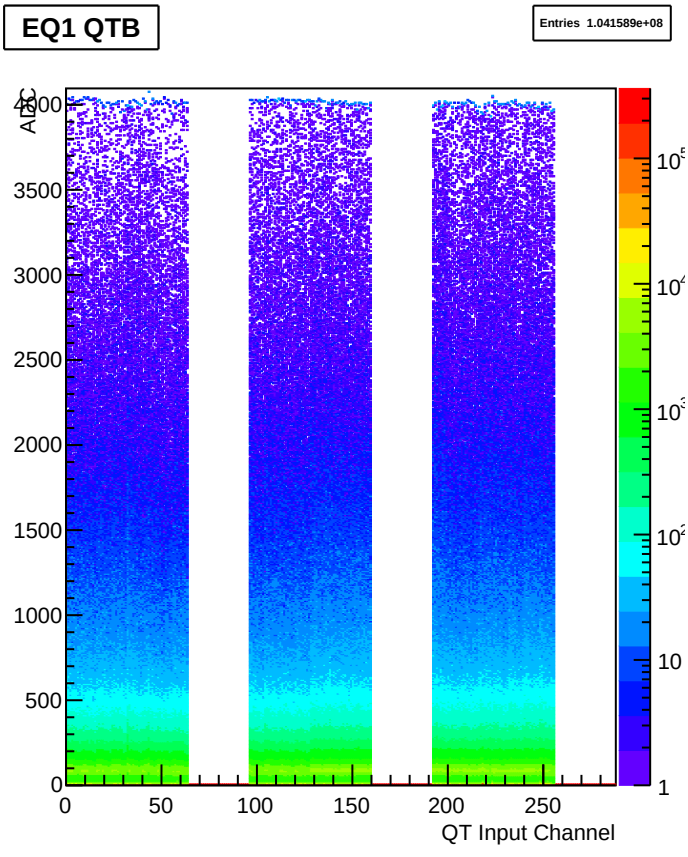

BBQ-ZD001 (ZDC TOWER)
Entries 5786608
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

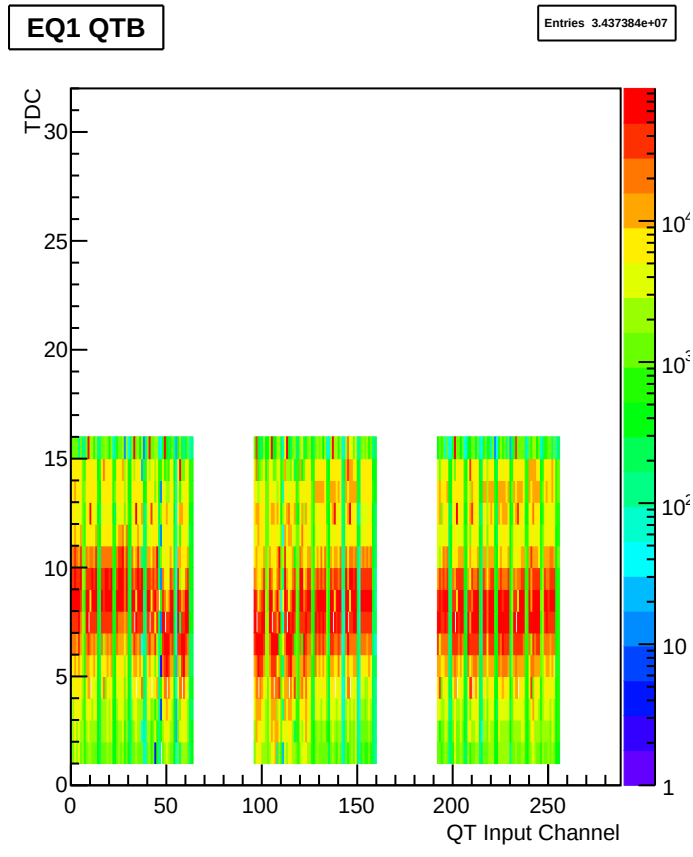

BBQ-VP001 East
Entries 5786608
ADC
QT Input Channel

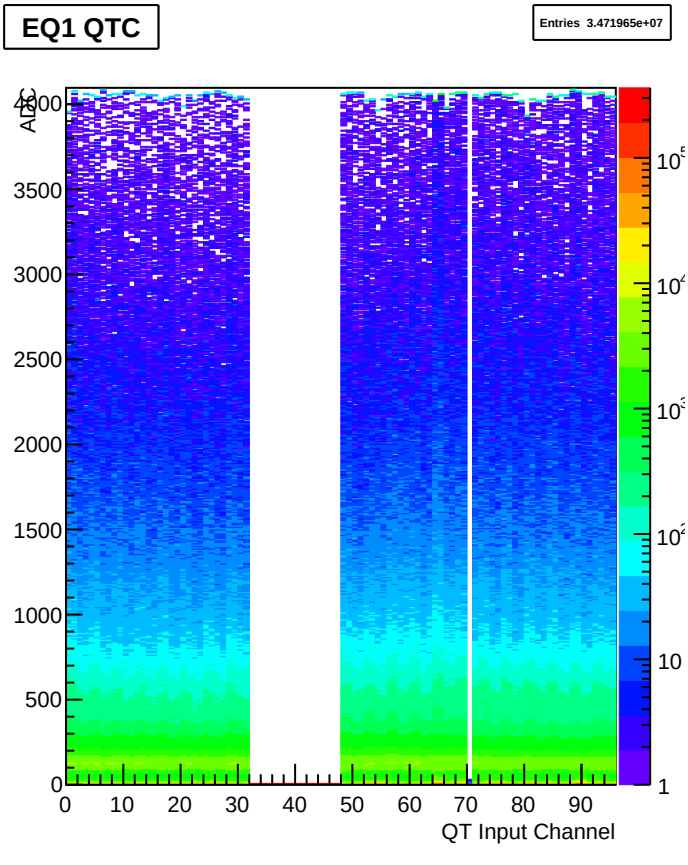

BBQ-VP001 East
Entries 5786608
TADC
QT Input Channel

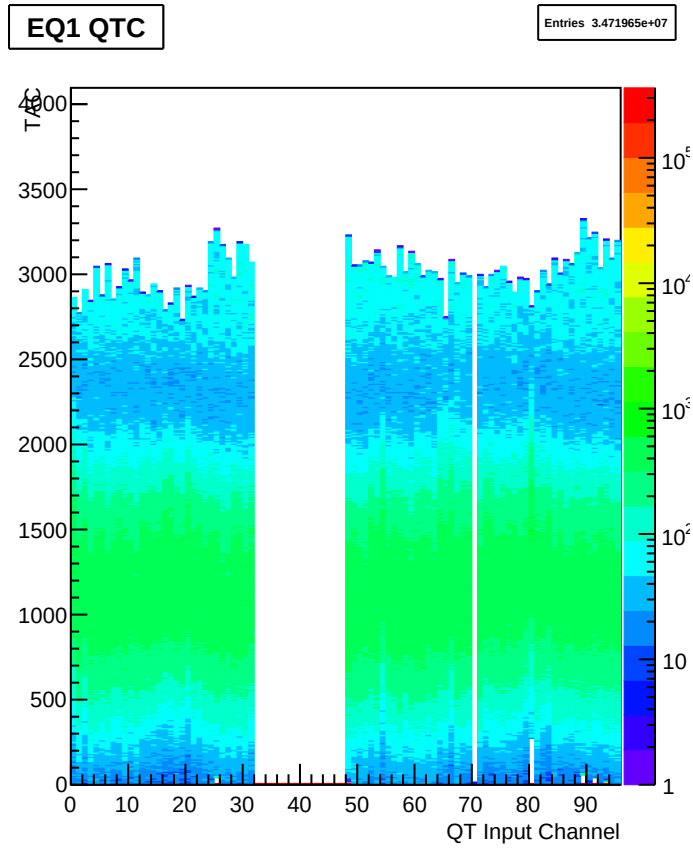

BBQ-VP002 West
Entries 5786608
ADC
QT Input Channel

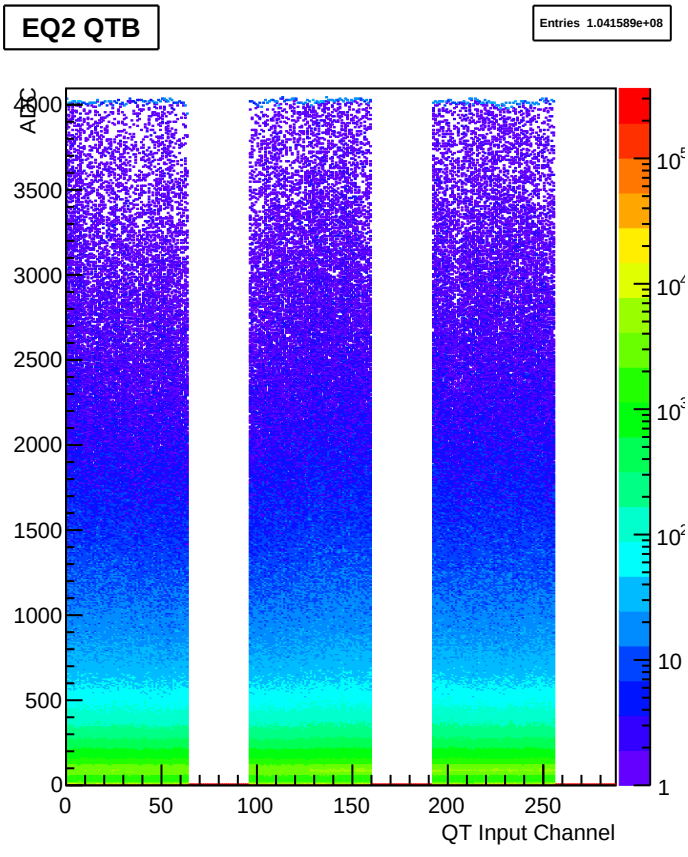

BBQ-VP002 West
Entries 5786608
TADC
QT Input Channel

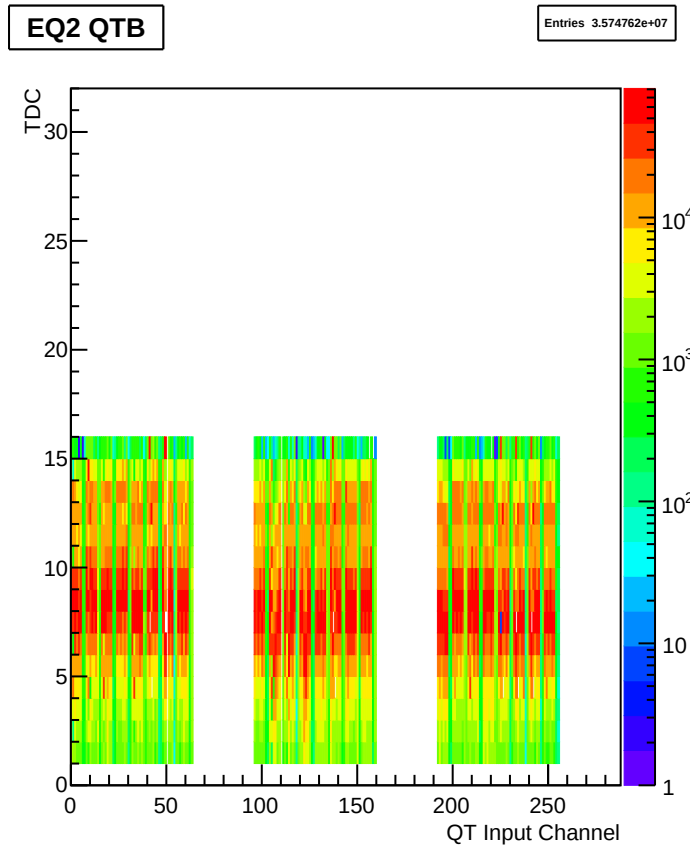

EQ1 QTB
Entries 1.041589e+08
ADC
QT Input Channel

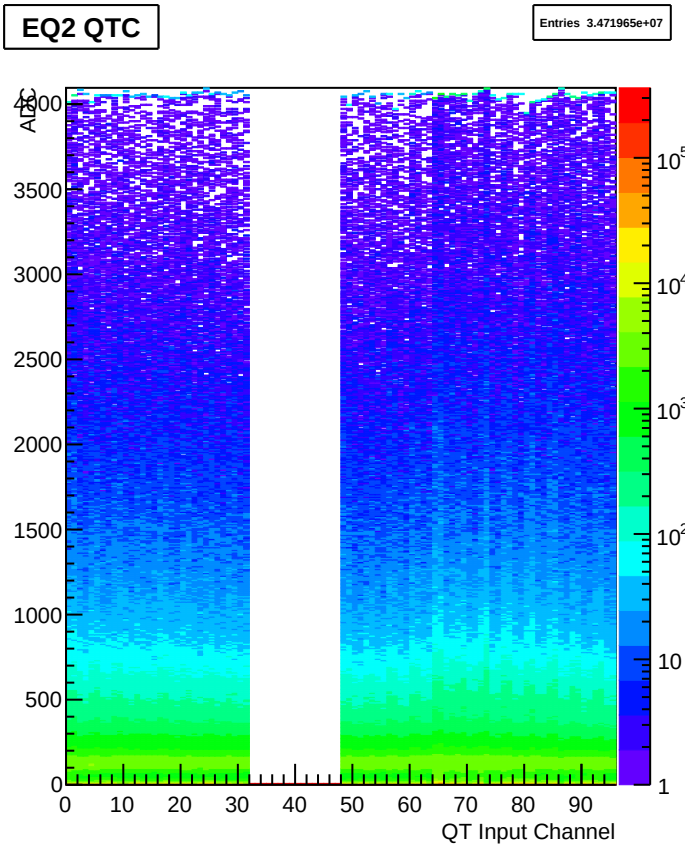

EQ1 QTB
Entries 3.437384e+07
TDC
QT Input Channel

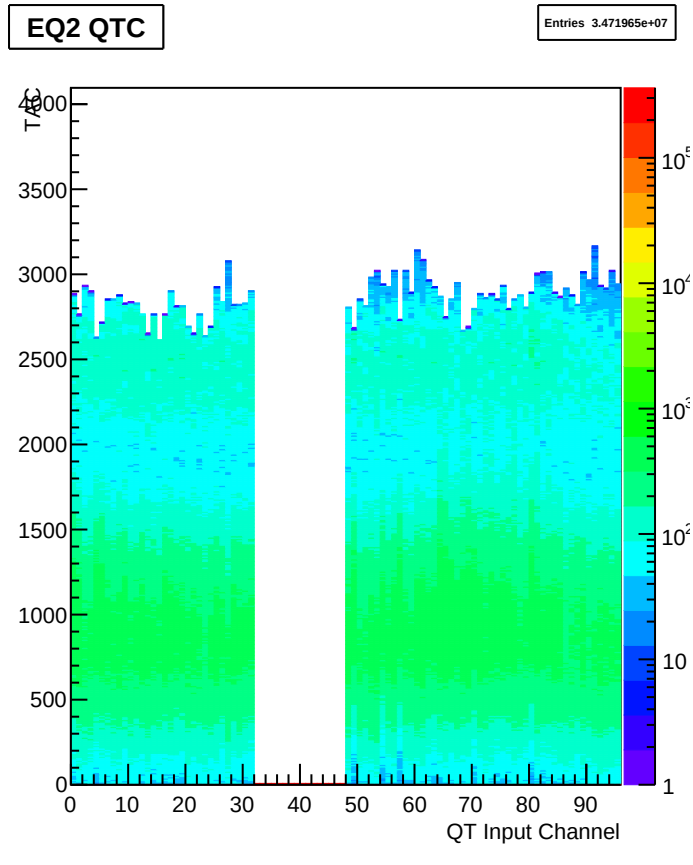

EQ1 QTC
Entries 3.471965e+07
ADC
QT Input Channel

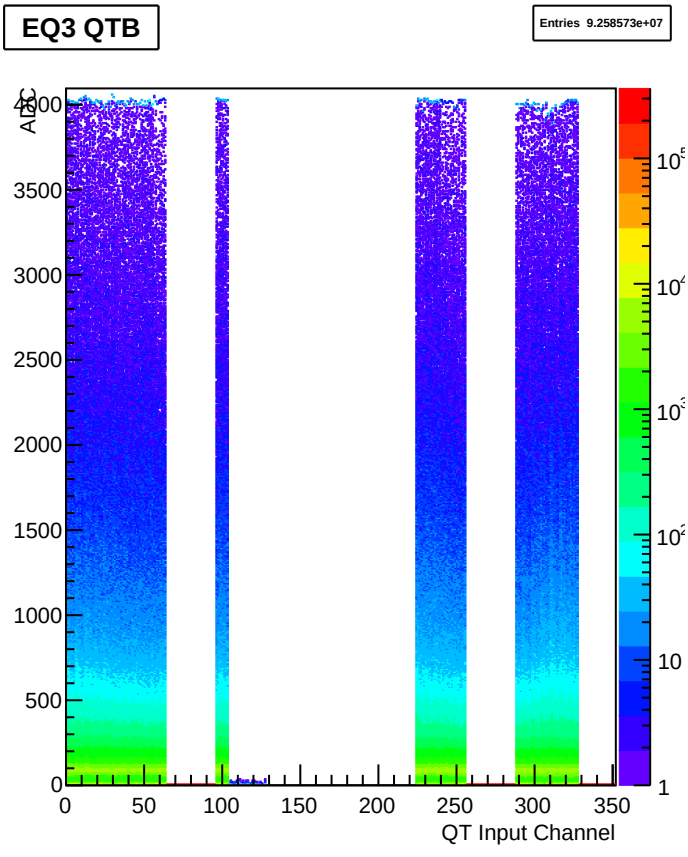

EQ1 QTC
Entries 3.471965e+07
TADC
QT Input Channel

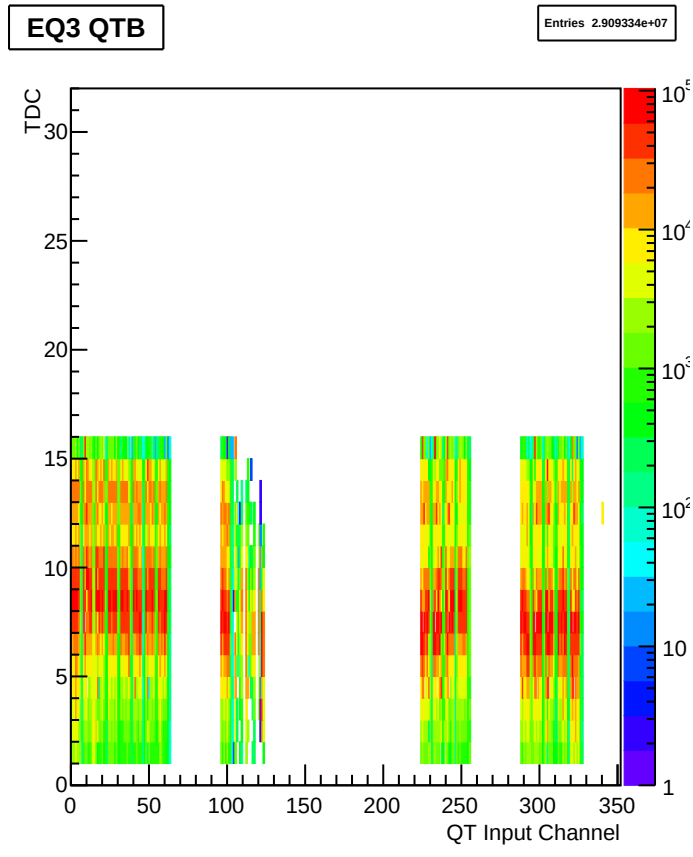

EQ2 QTB
Entries 1.041589e+08
ADC
QT Input Channel

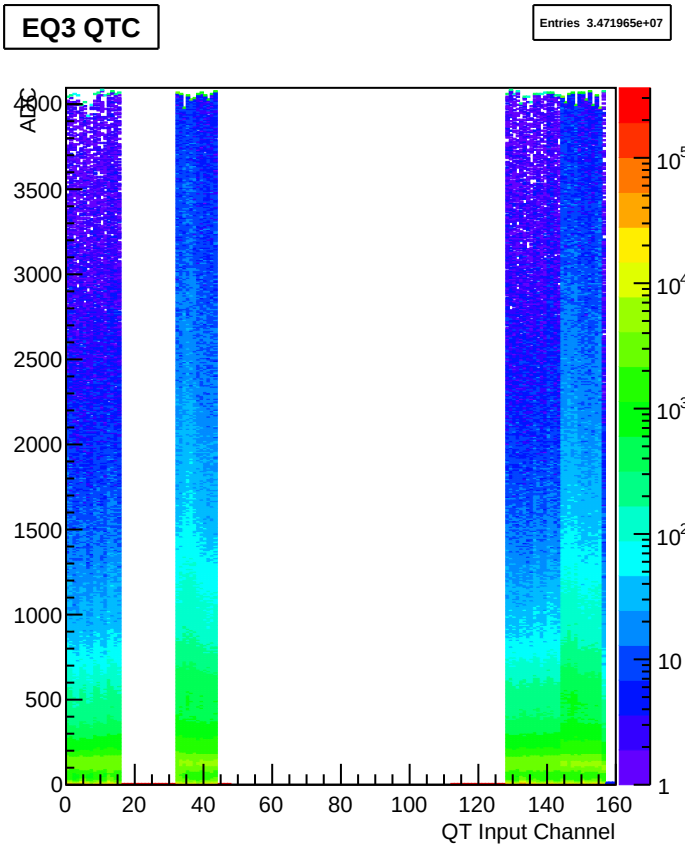

EQ2 QTB
Entries 3.574762e+07
TDC
QT Input Channel

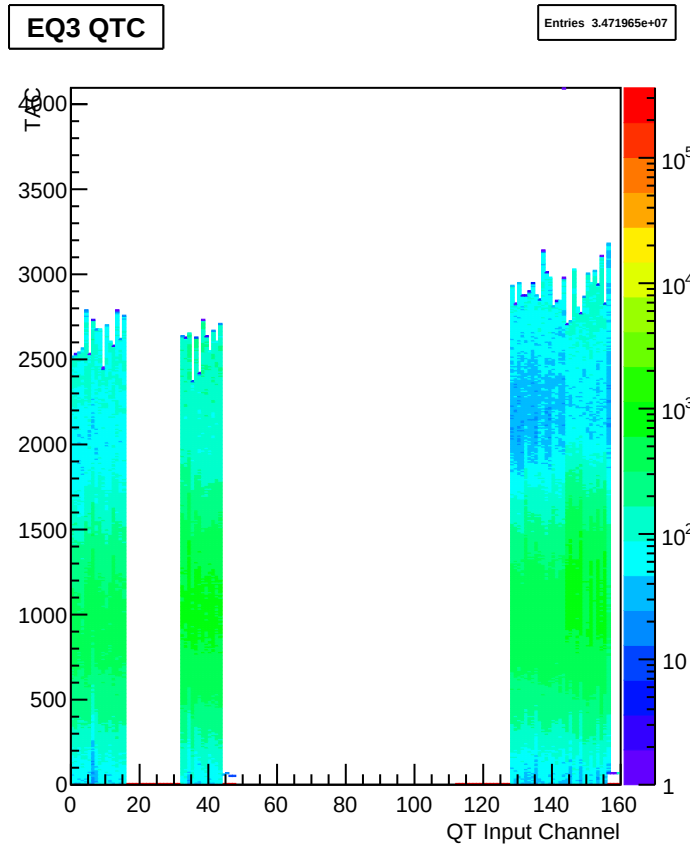

EQ2 QTC
Entries 3.471965e+07
ADC
QT Input Channel

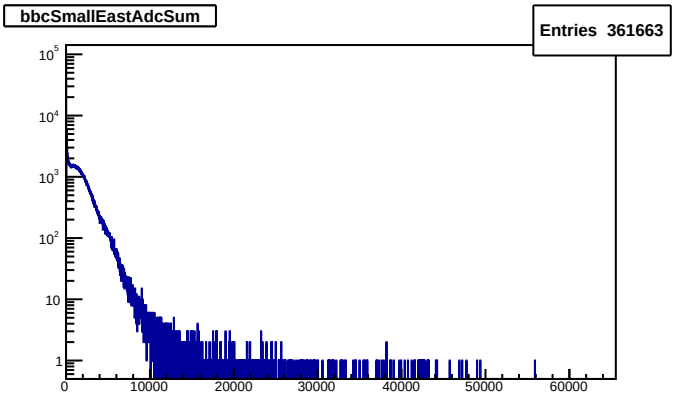

EQ2 QTC
Entries 3.471965e+07
TADC
QT Input Channel

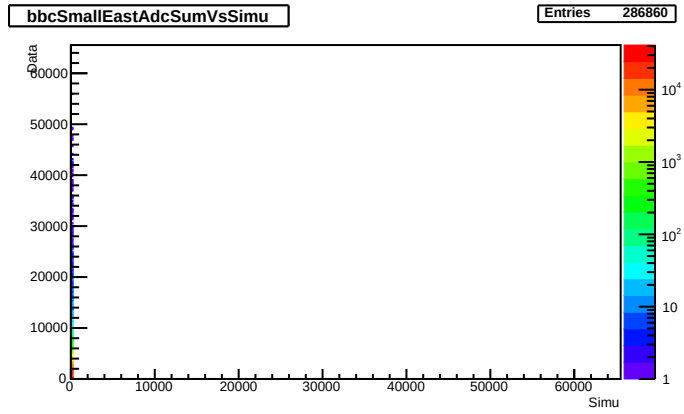

EQ3 QTB
Entries 9.258573e+07
ADC
QT Input Channel

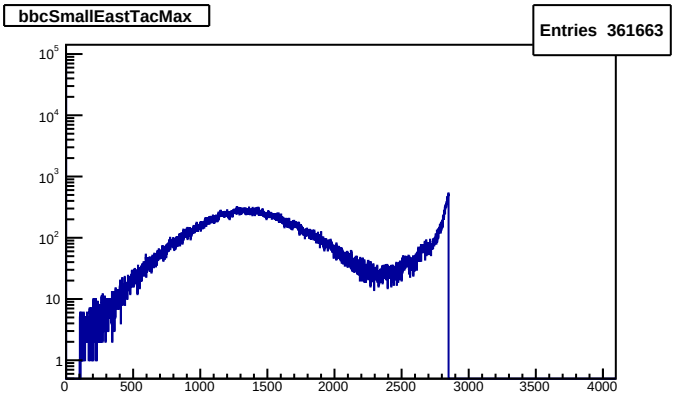

EQ3 QTB
Entries 2.909334e+07
TDC
QT Input Channel

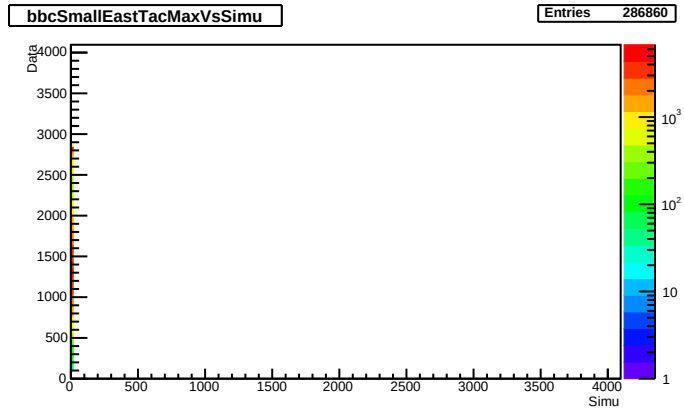

EQ3 QTC
Entries 3.471965e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.471965e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 361663


bbcSmallEastAdcSumVsSimu
Entries 286860
Data
Simu


bbcSmallEastTacMax
Entries 361663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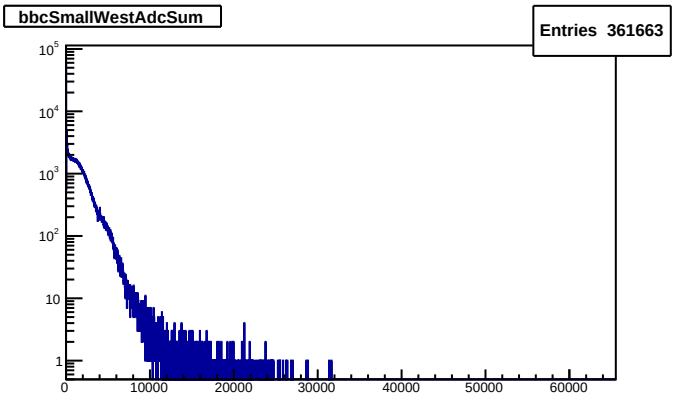
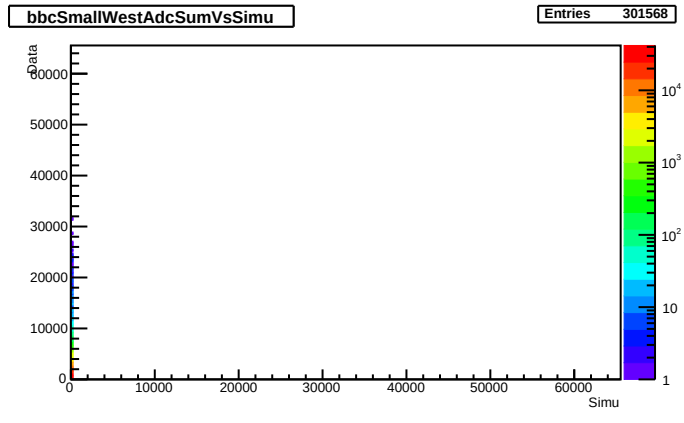
Entries 286860
Data
Simu


bbcSmallWestAdcSum
Entries 361663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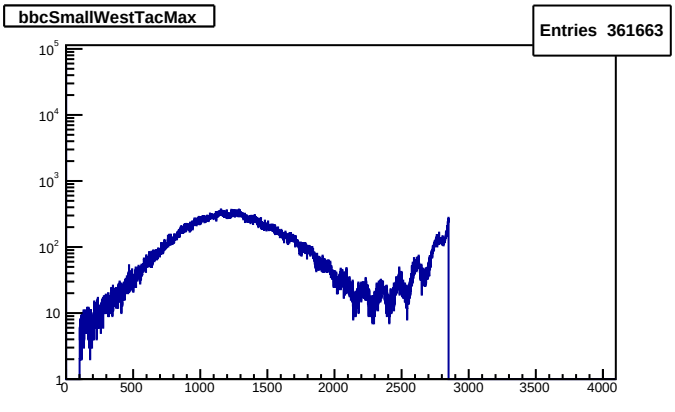
Entries 301568
Data
Simu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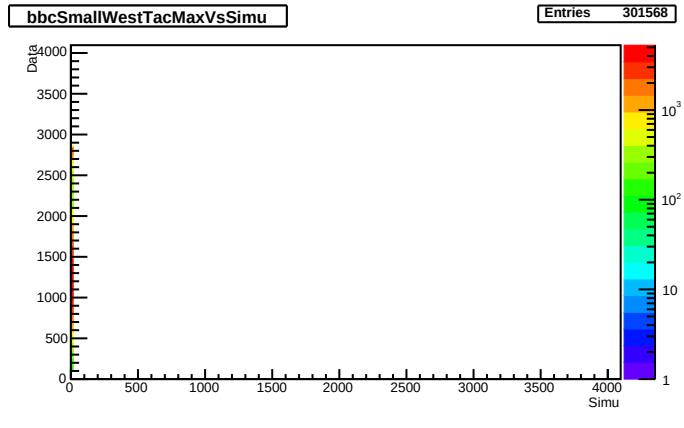
Entries 361663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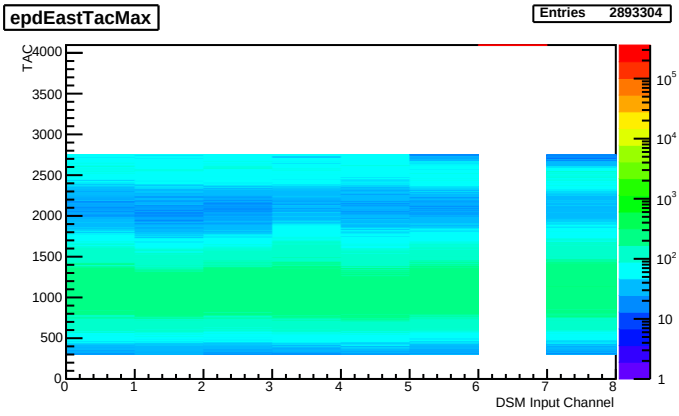
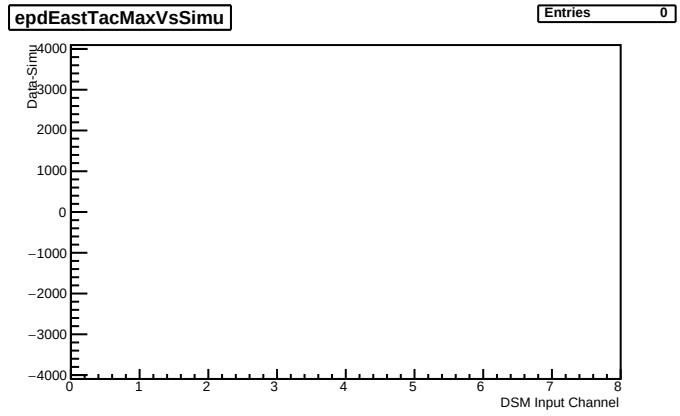
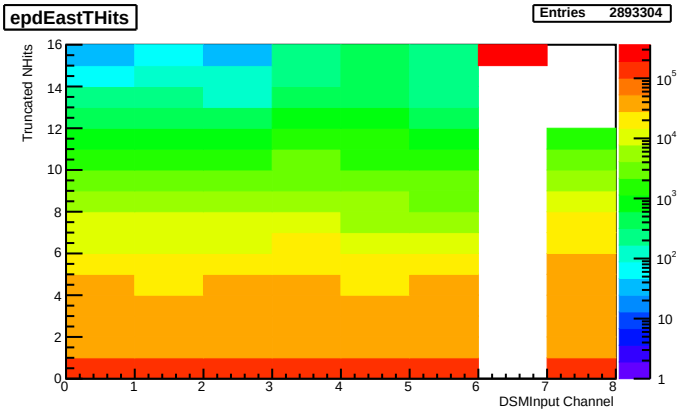
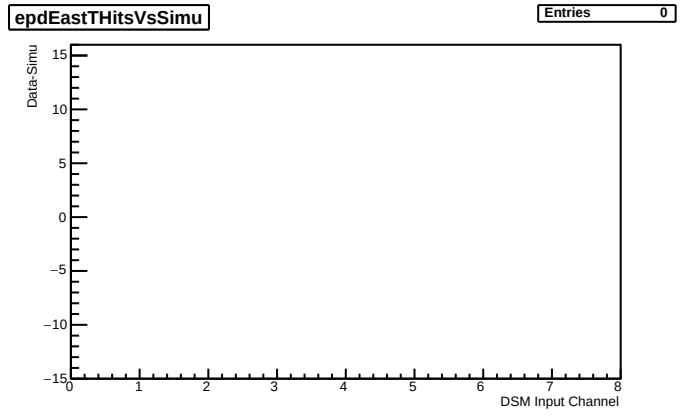
Entries 301568
Data
Simu


epdEastTacMax
Entries 2893304
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2893304
Truncated NHits
DSMInput Channel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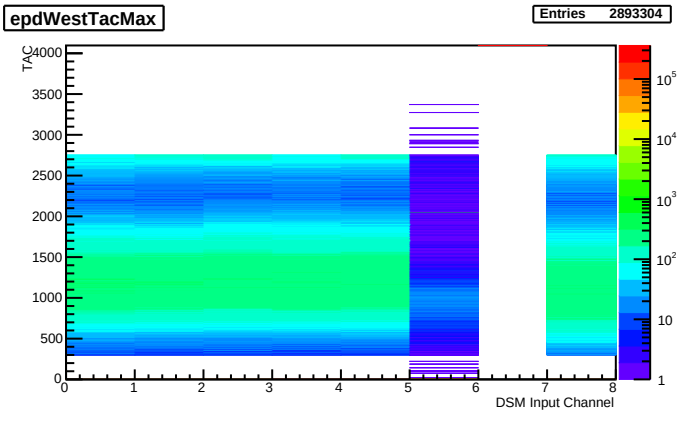
Data-Simu
DSM Input Channel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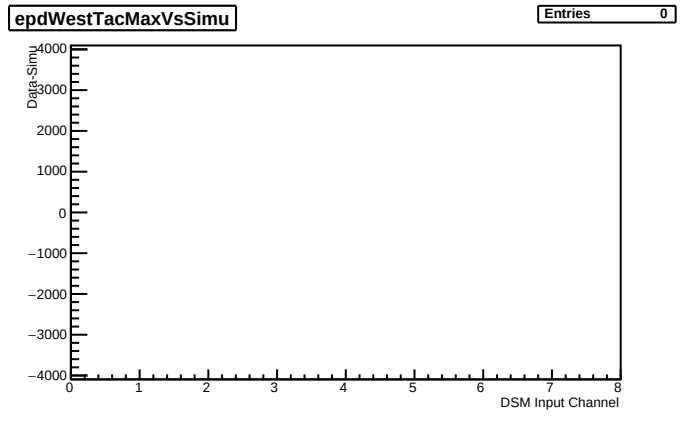
Entries 2893304
TAC
DSM Input Channel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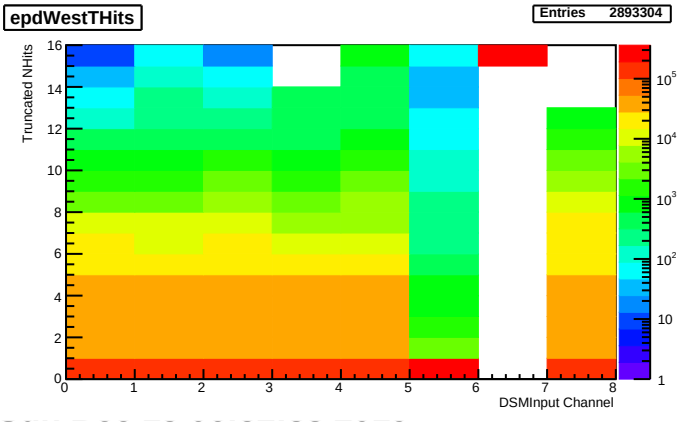
Entries 0
Data-Simu
DSM Input Channel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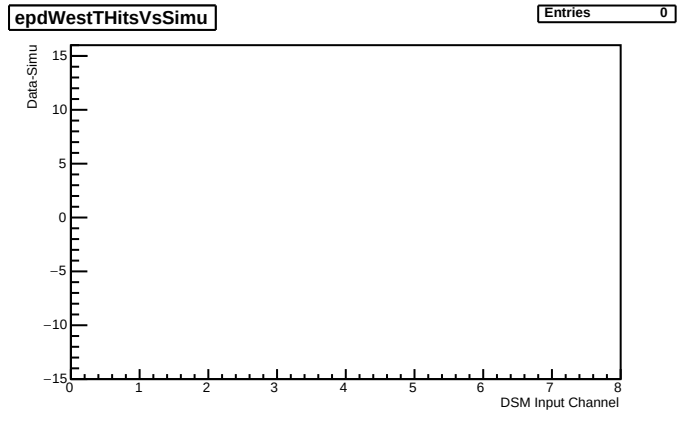
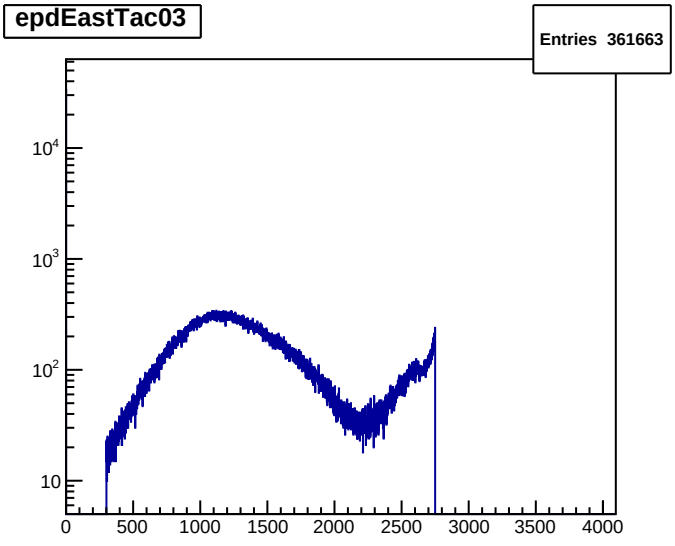
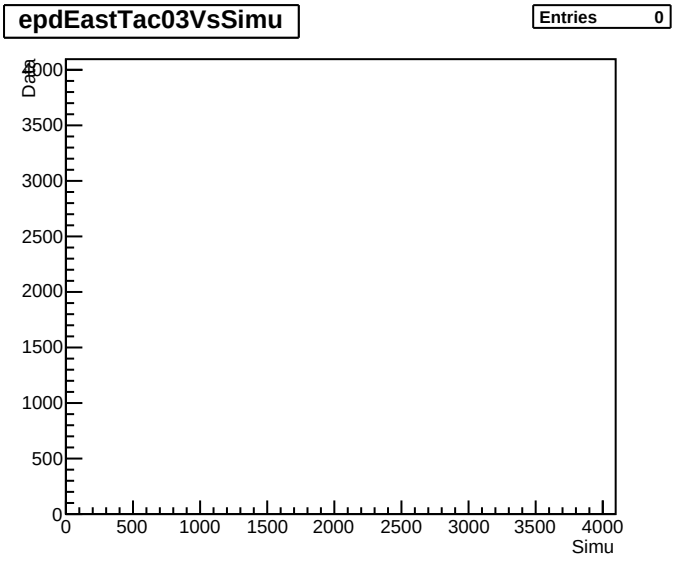
Entries 2893304
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 361663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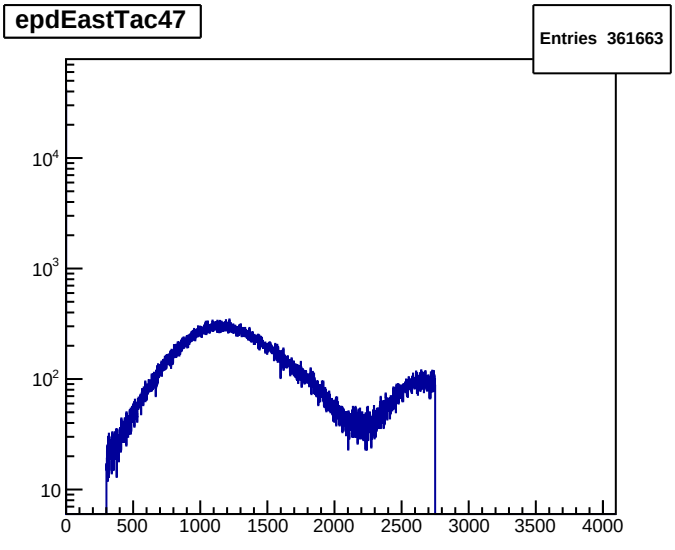
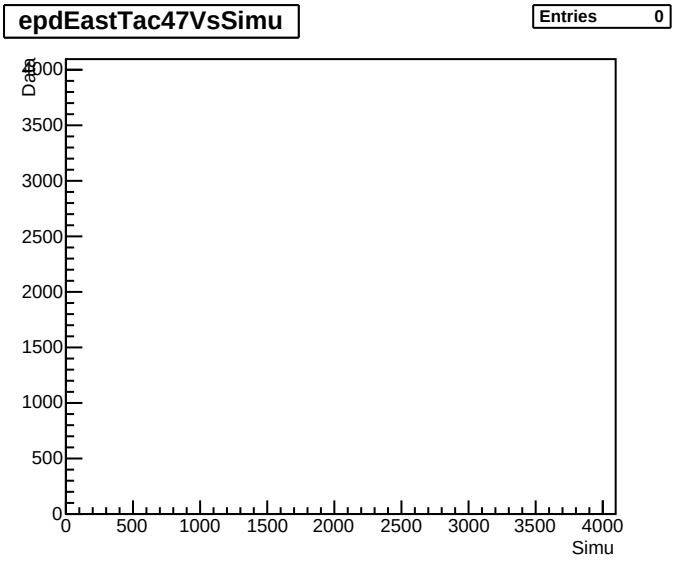
Entries 0
Data
Simu


epdEastTac47
Entries 361663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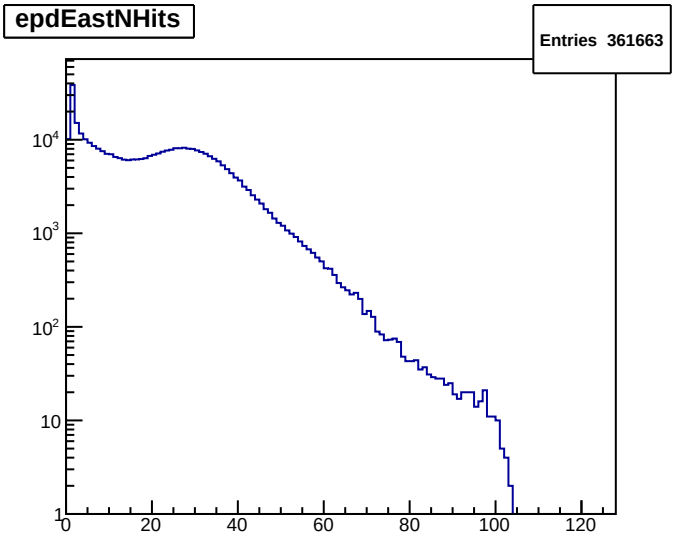
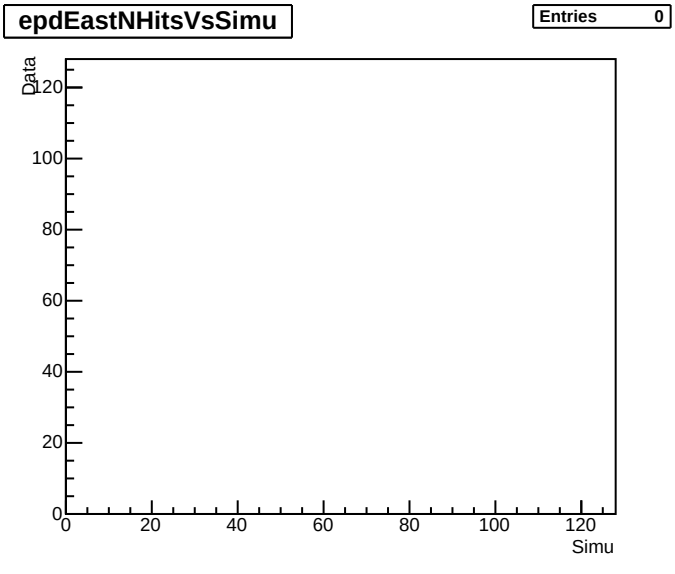
Entries 0
Data
Simu


epdEastNHits
Entries 361663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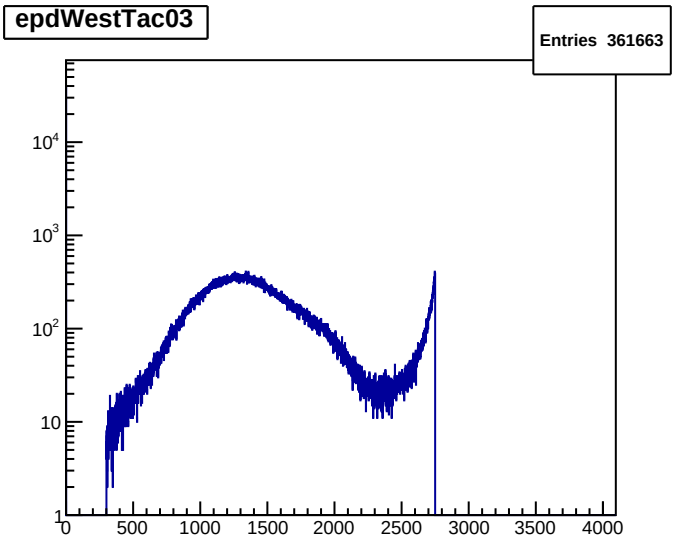
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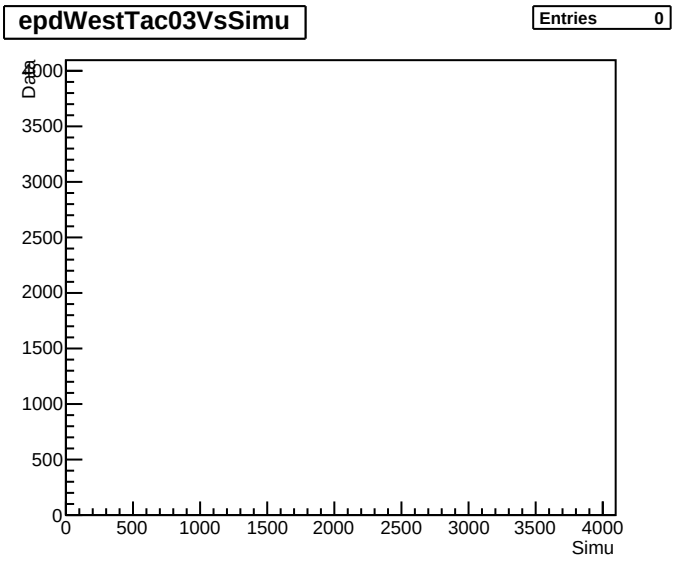
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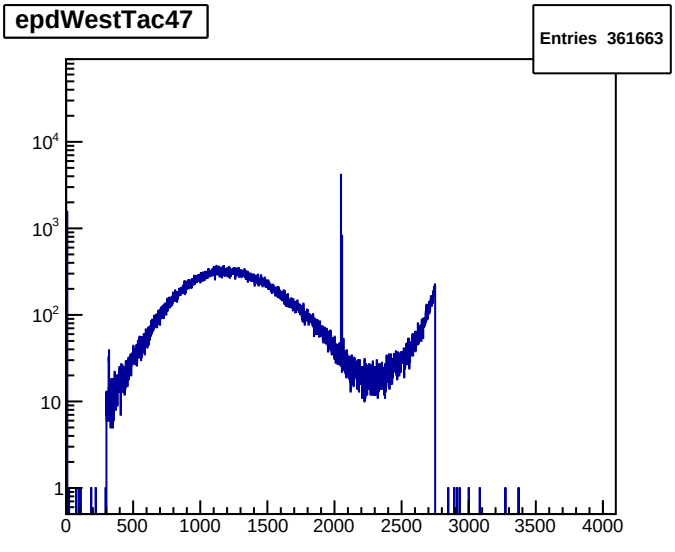
Entries 0
Data
Simu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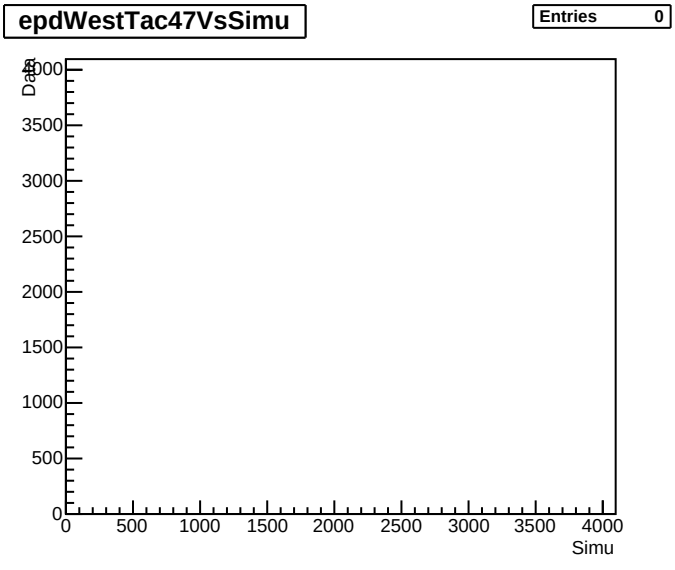
Entries 361663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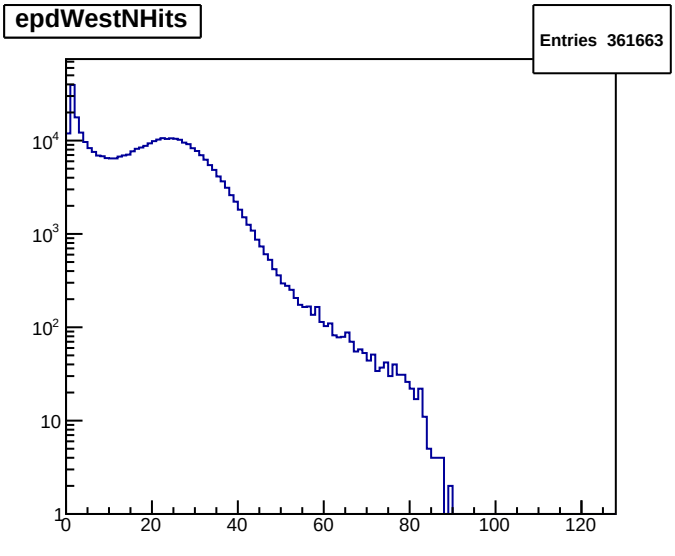
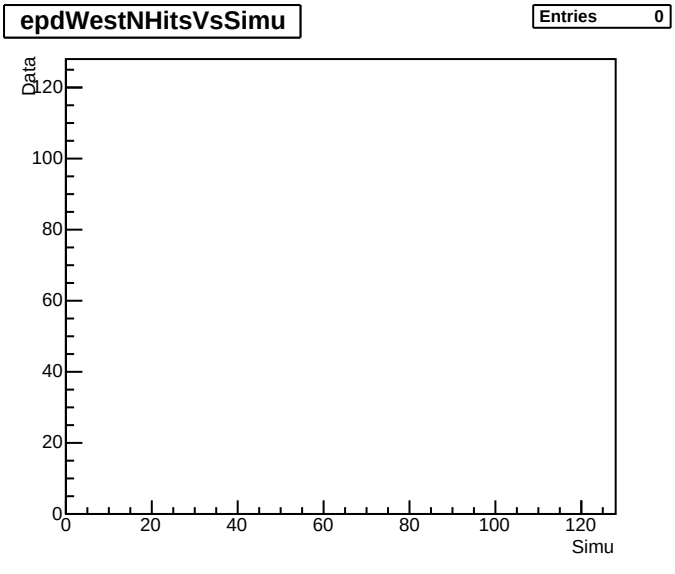
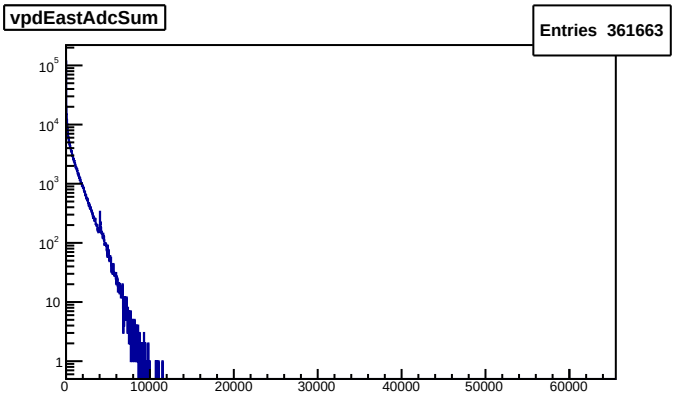
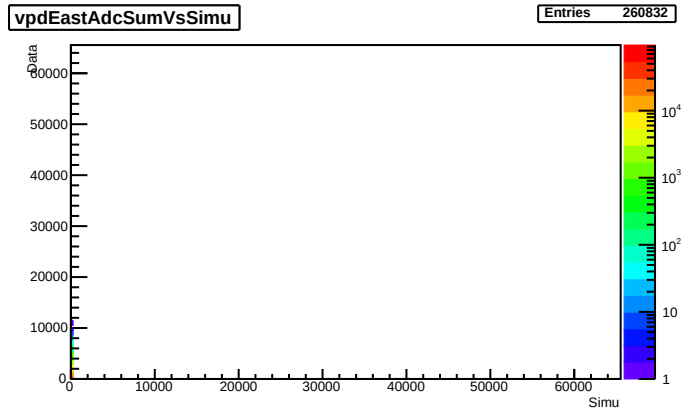
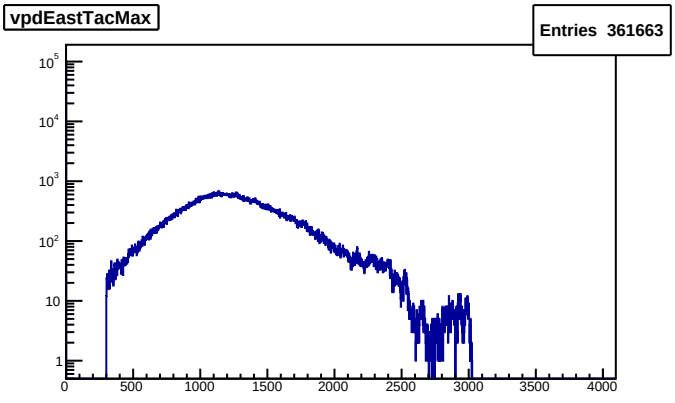
Entries 0
Data
Simu

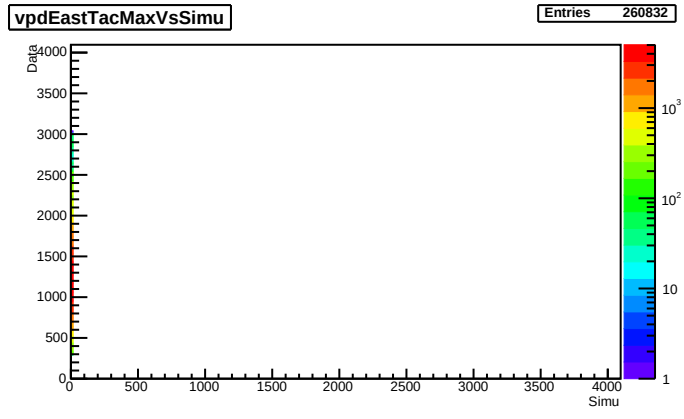

epdWestNHits
Entries 361663

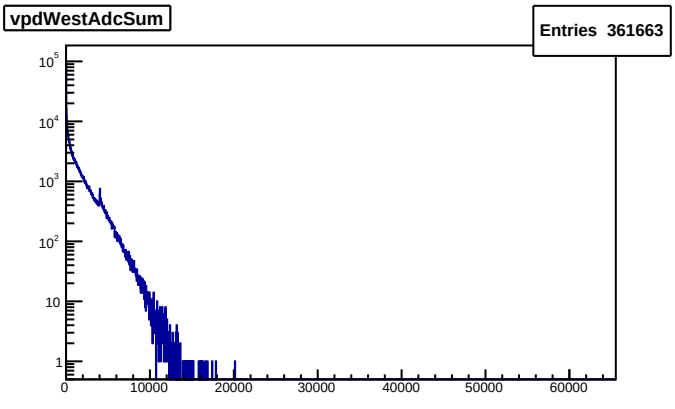

epdWestNHitsVsSimu
Entries 0
Data
Simu

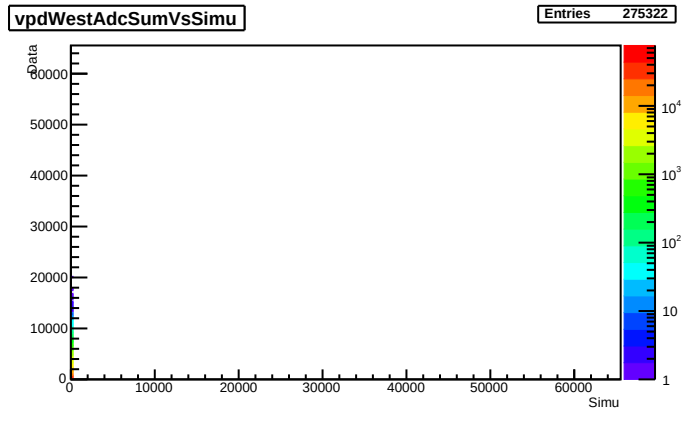

vpdEastAdcSum
Entries 361663

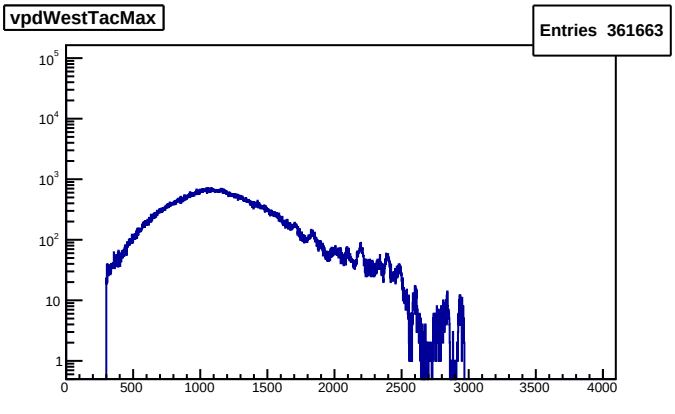

vpdEastAdcSumVsSimu
Entries 260832
Data
Simu

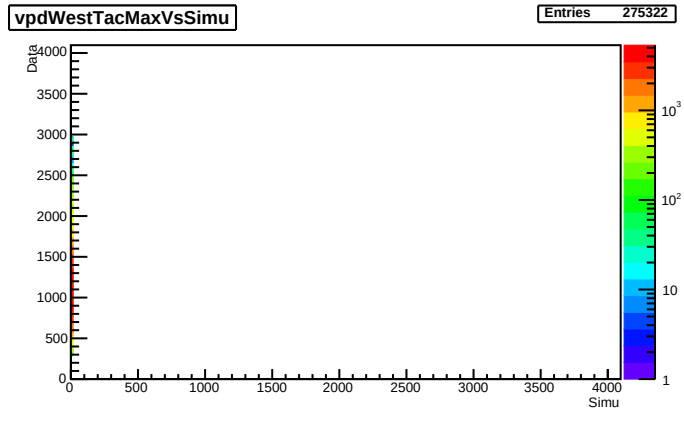

vpdEastTacMax
Entries 361663

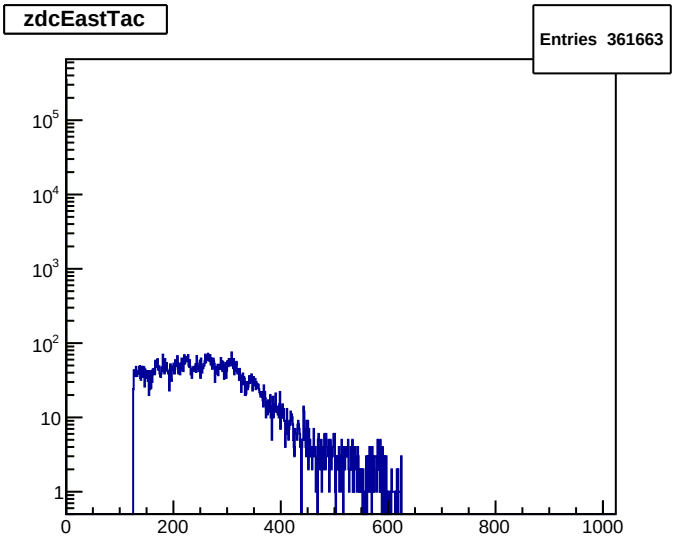

vpdEastTacMaxVsSimu
Entries 260832
Data
Simu

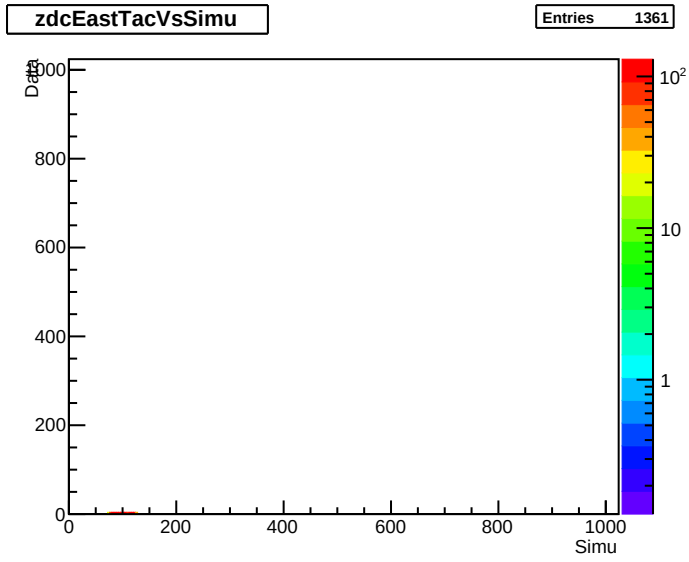

vpdWestAdcSum
Entries 361663

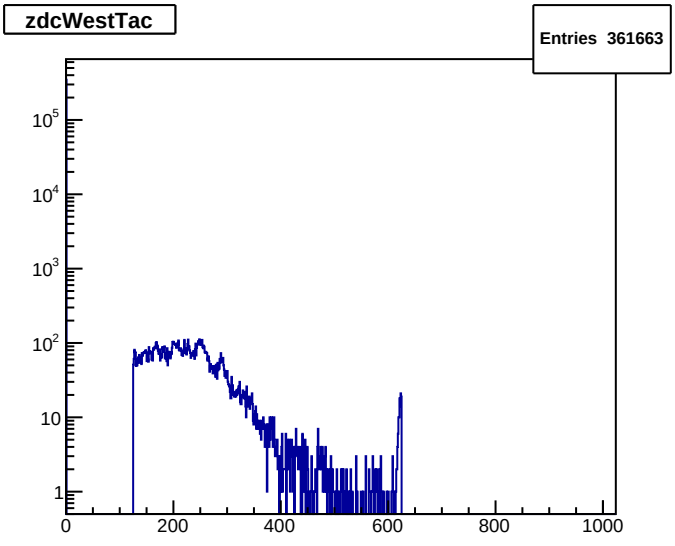

vpdWestAdcSumVsSimu
Entries 275322
Data
Simu

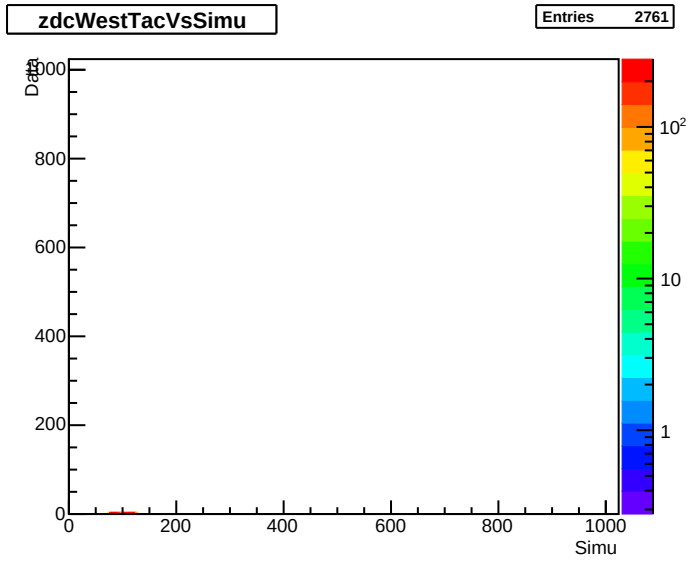

vpdWestTacMax
Entries 361663

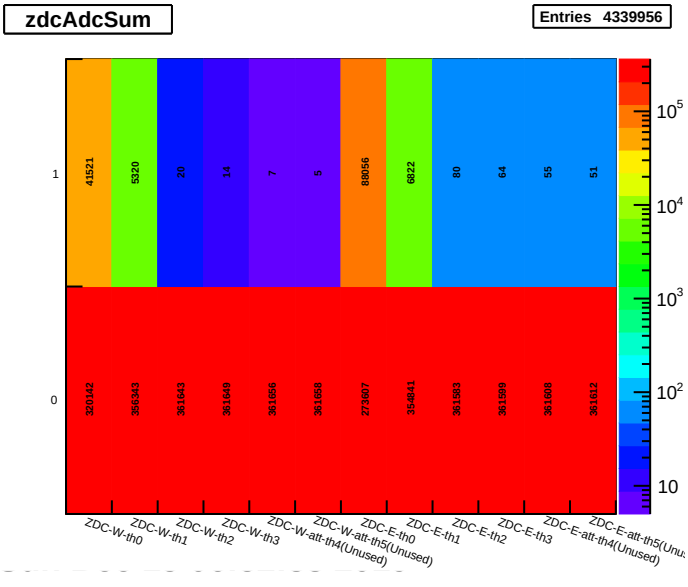

vpdWestTacMaxVsSimu
Entries 275322
Data
Simu

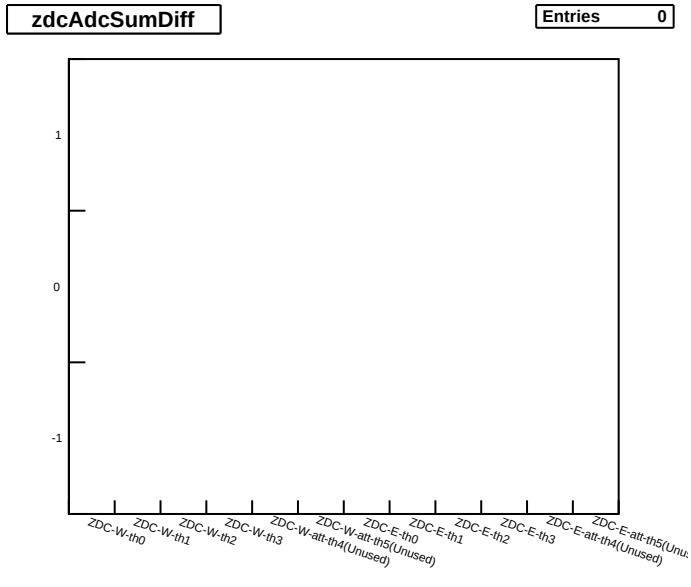

zdcEastTac
Entries 361663

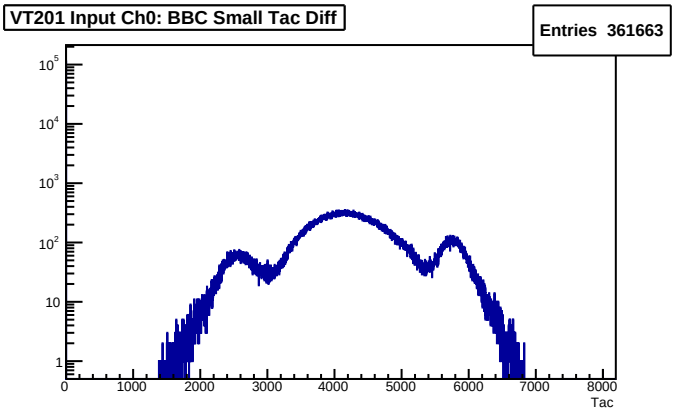

zdcEastTacVsSimu
Entries 1361
Data
Simu

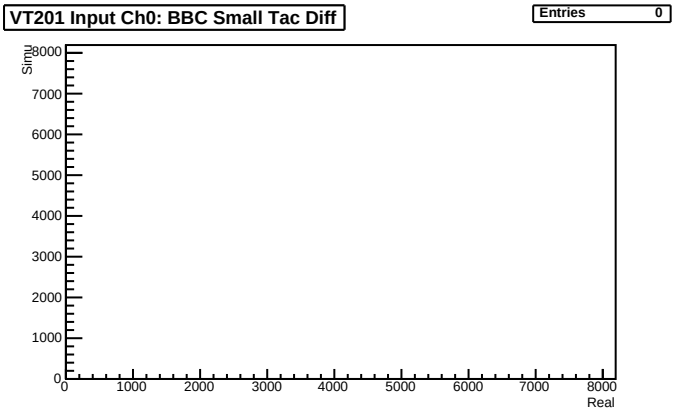

zdcWestTac
Entries 361663

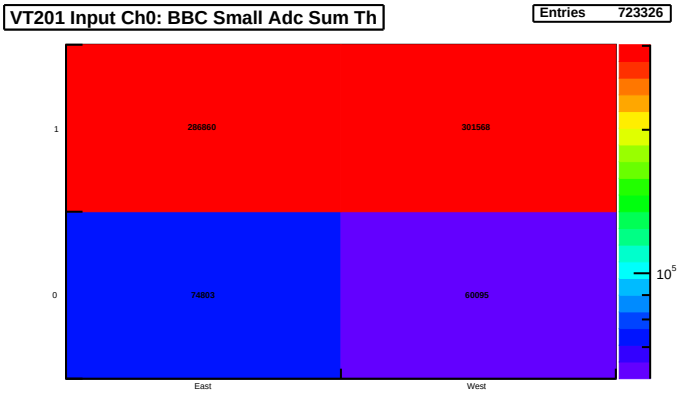

zdcWestTacVsSimu
Entries 2761
Data
Simu

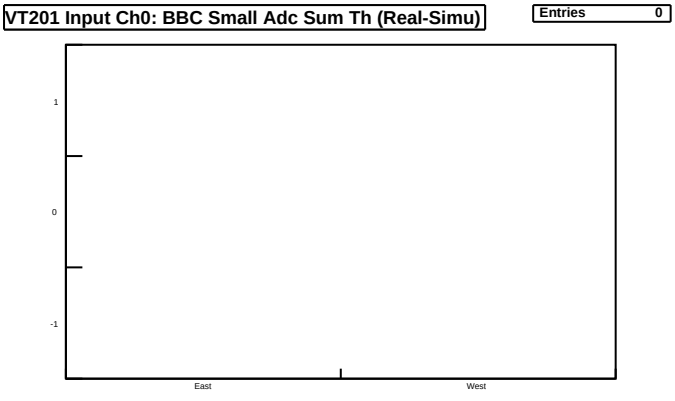

zdcAdcSum
Entries 4339956
41521
5320
20
14
7
5
88056
6822
80
64
55
51
320142
356343
361643
361649
361656
361658
273607
354841
361583
361599
361608
361612
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

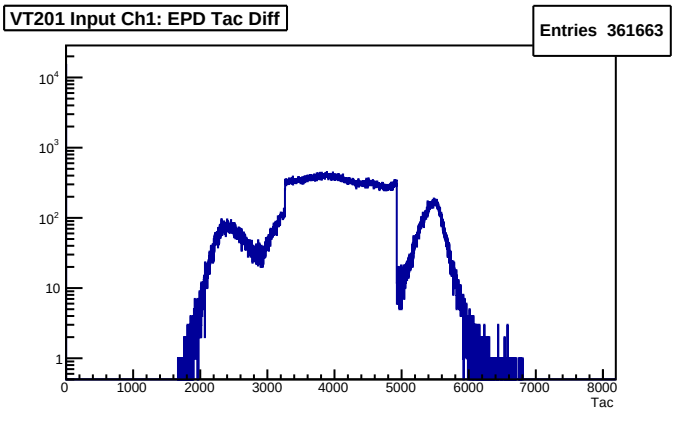

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

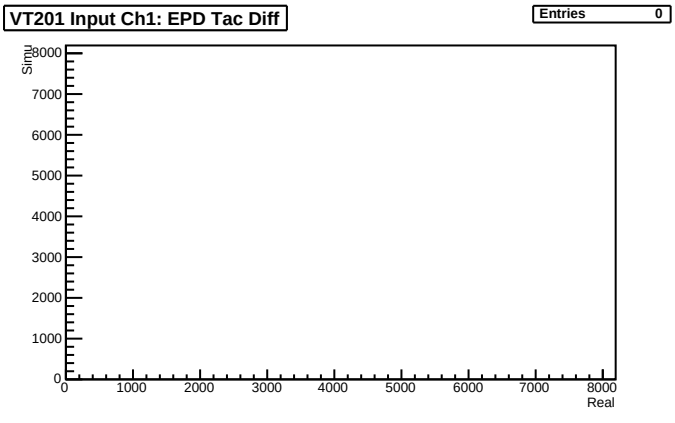

VT201 Input Ch0: BBC Small Tac Diff
Entries 361663
Tac

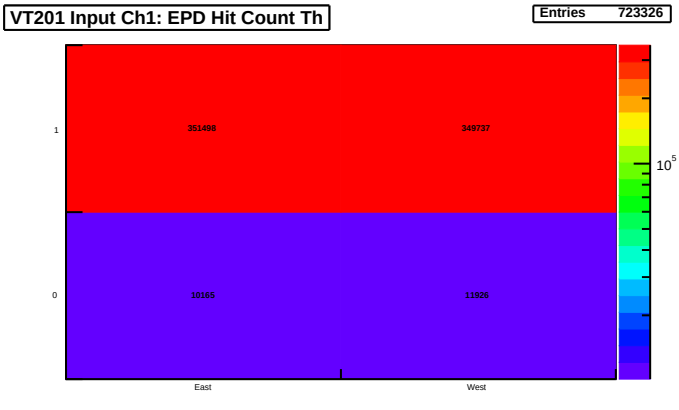

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

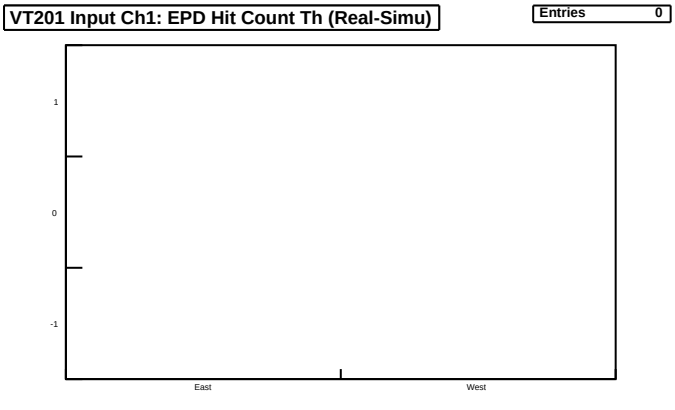

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 723326
286860
301568
74803
60095
East
West

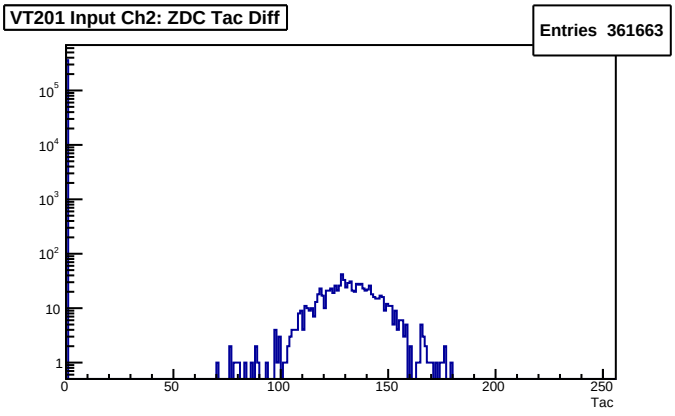

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

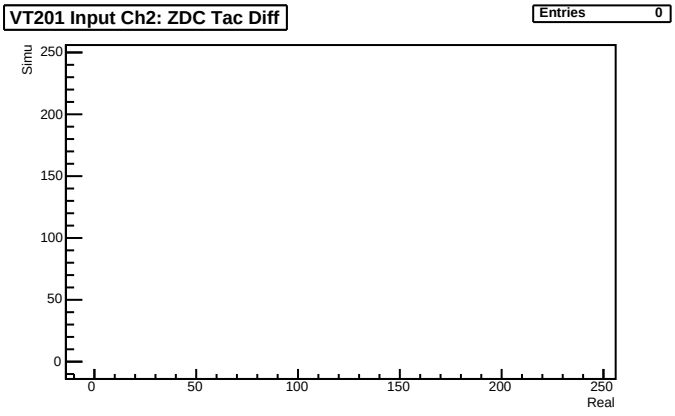

VT201 Input Ch1: EPD Tac Diff
Entries 361663
Tac

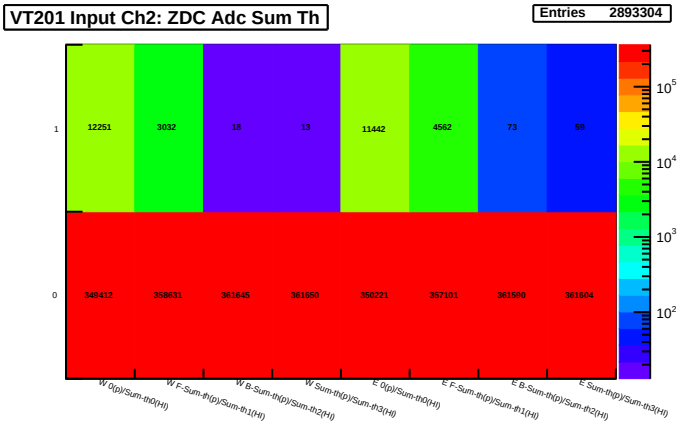

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

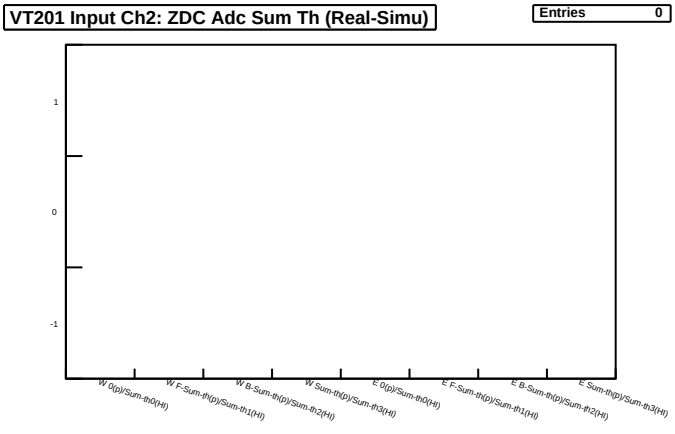

VT201 Input Ch1: EPD Hit Count Th
Entries 723326
351498
349737
10165
11926
East
West

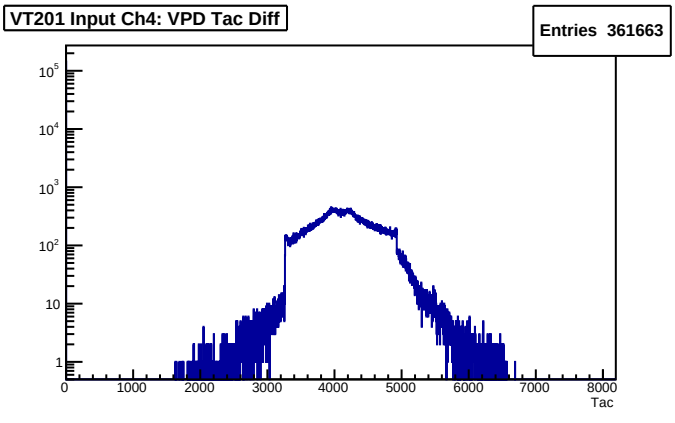

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

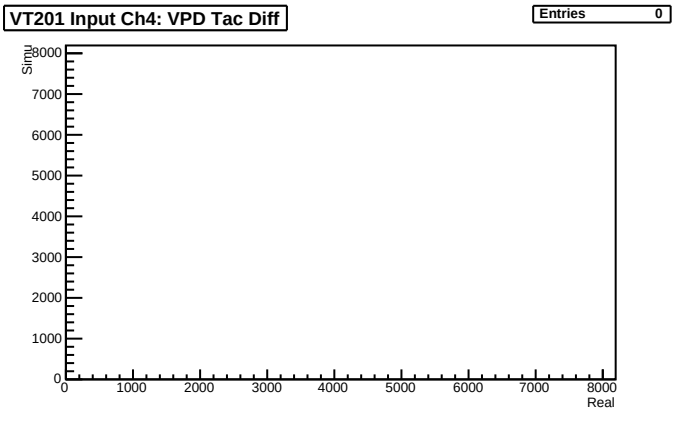

VT201 Input Ch2: ZDC Tac Diff
Entries 361663
Tac

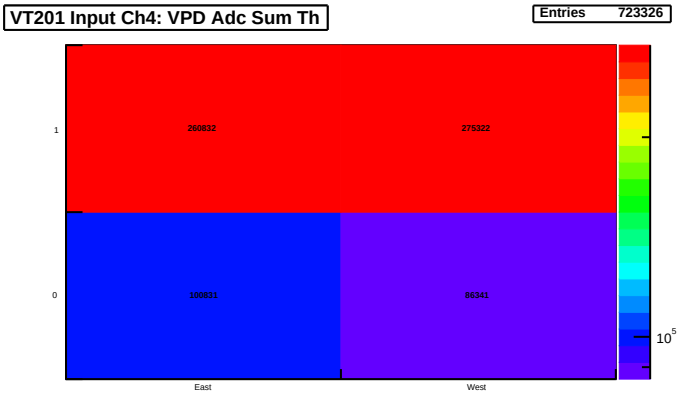

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

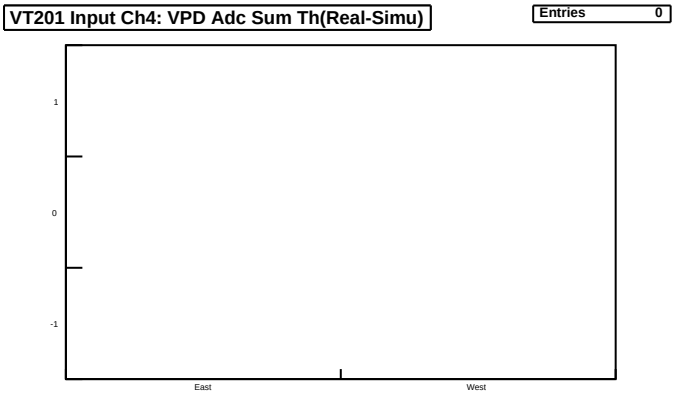

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2893304
12251
3032
18
13
11442
4562
73
59
349412
358631
361645
361650
350221
357101
361590
361604
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

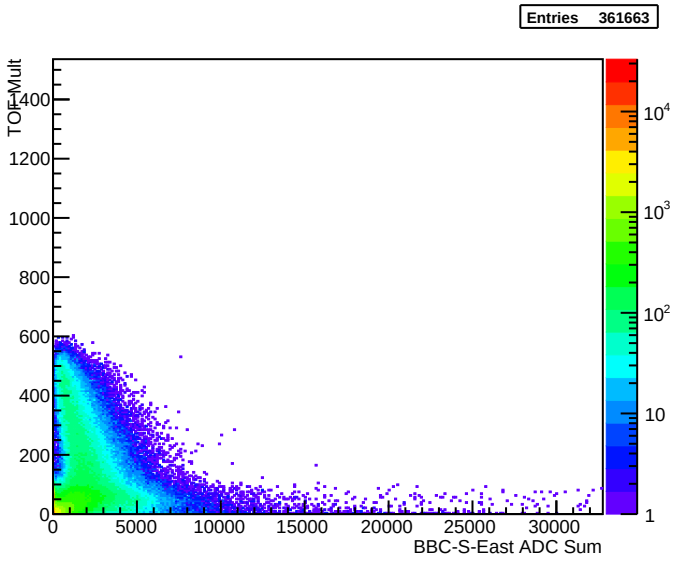

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

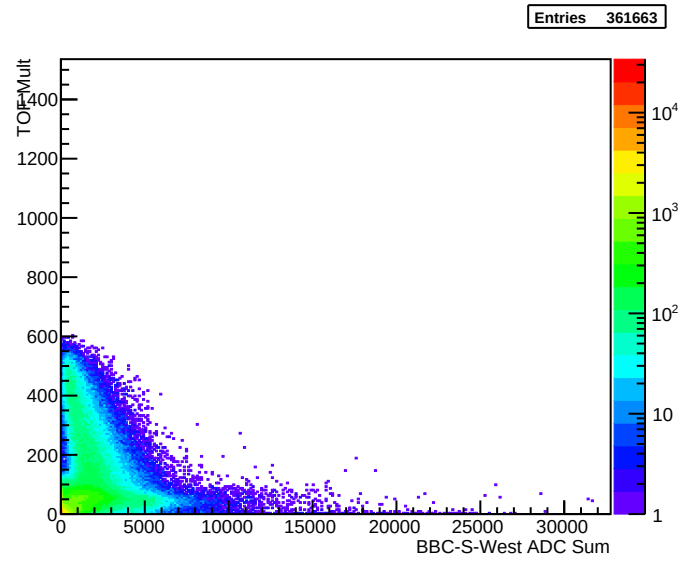

VT201 Input Ch4: VPD Tac Diff
Entries 361663
Tac

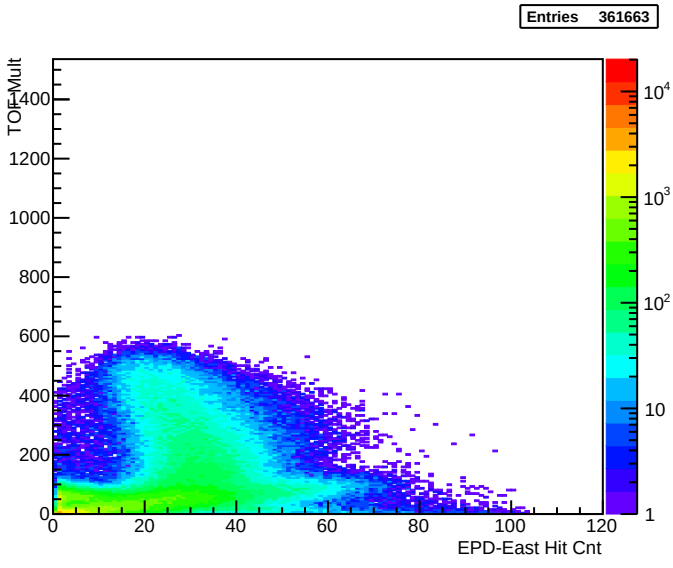

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

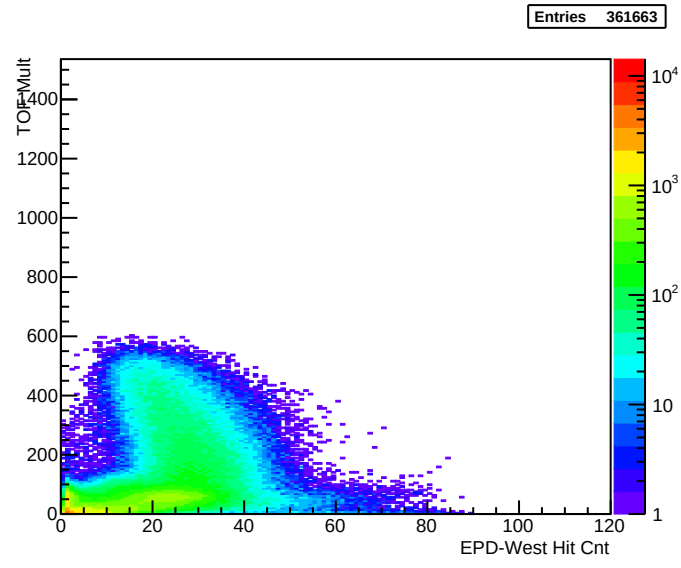

VT201 Input Ch4: VPD Adc Sum Th
Entries 723326
260832
275322
100831
86341
East
West

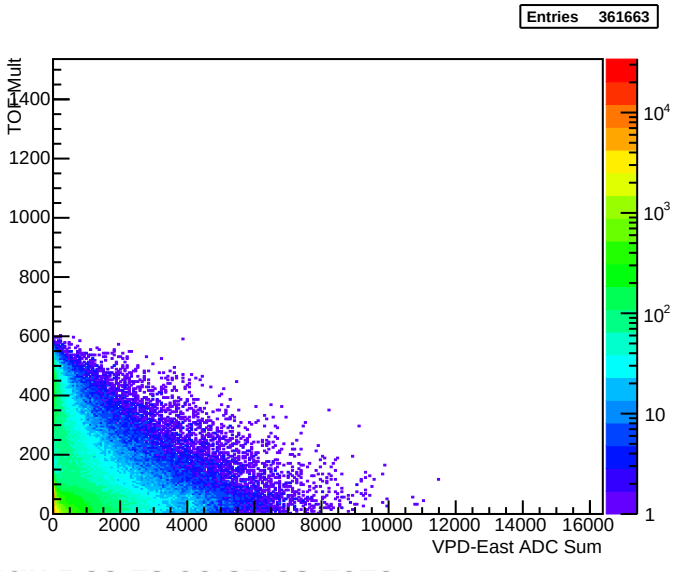

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

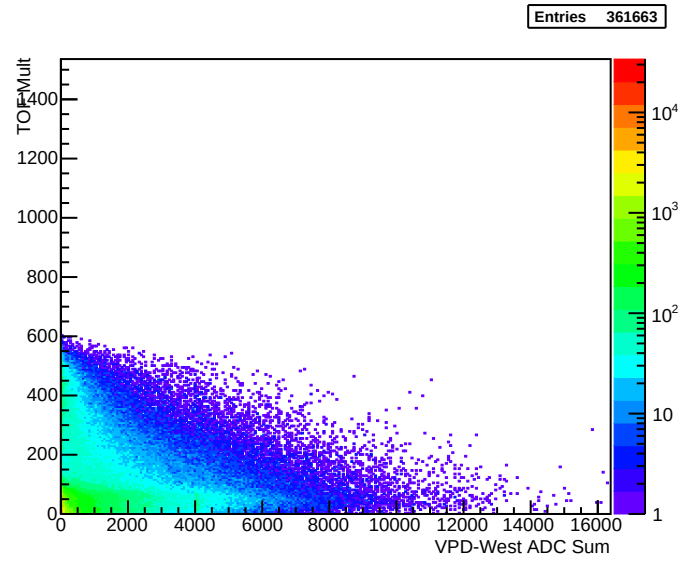

Entries 361663
TOF-Mult
BBC-S-East ADC Sum

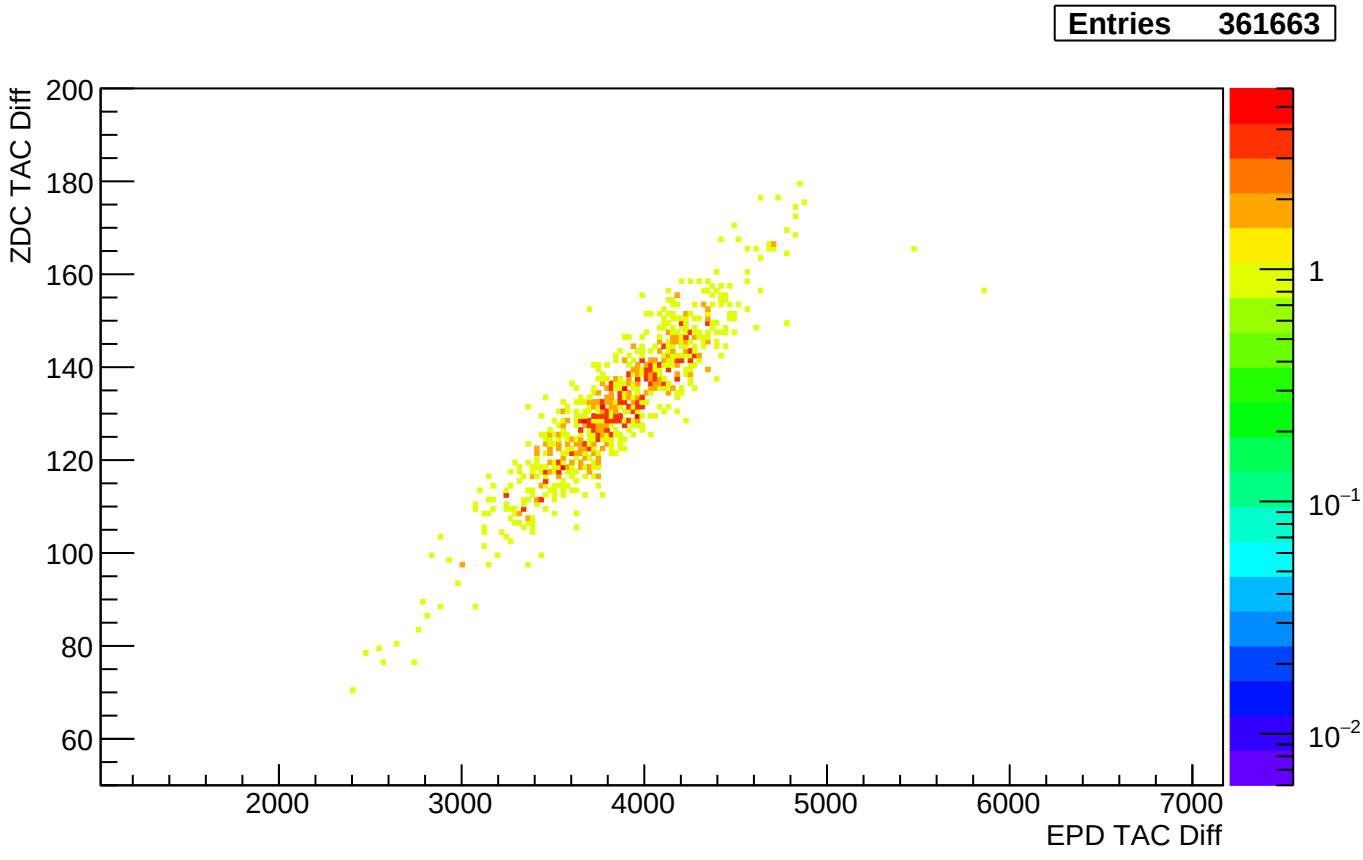

Entries 361663
TOF-Mult
BBC-S-West ADC Sum

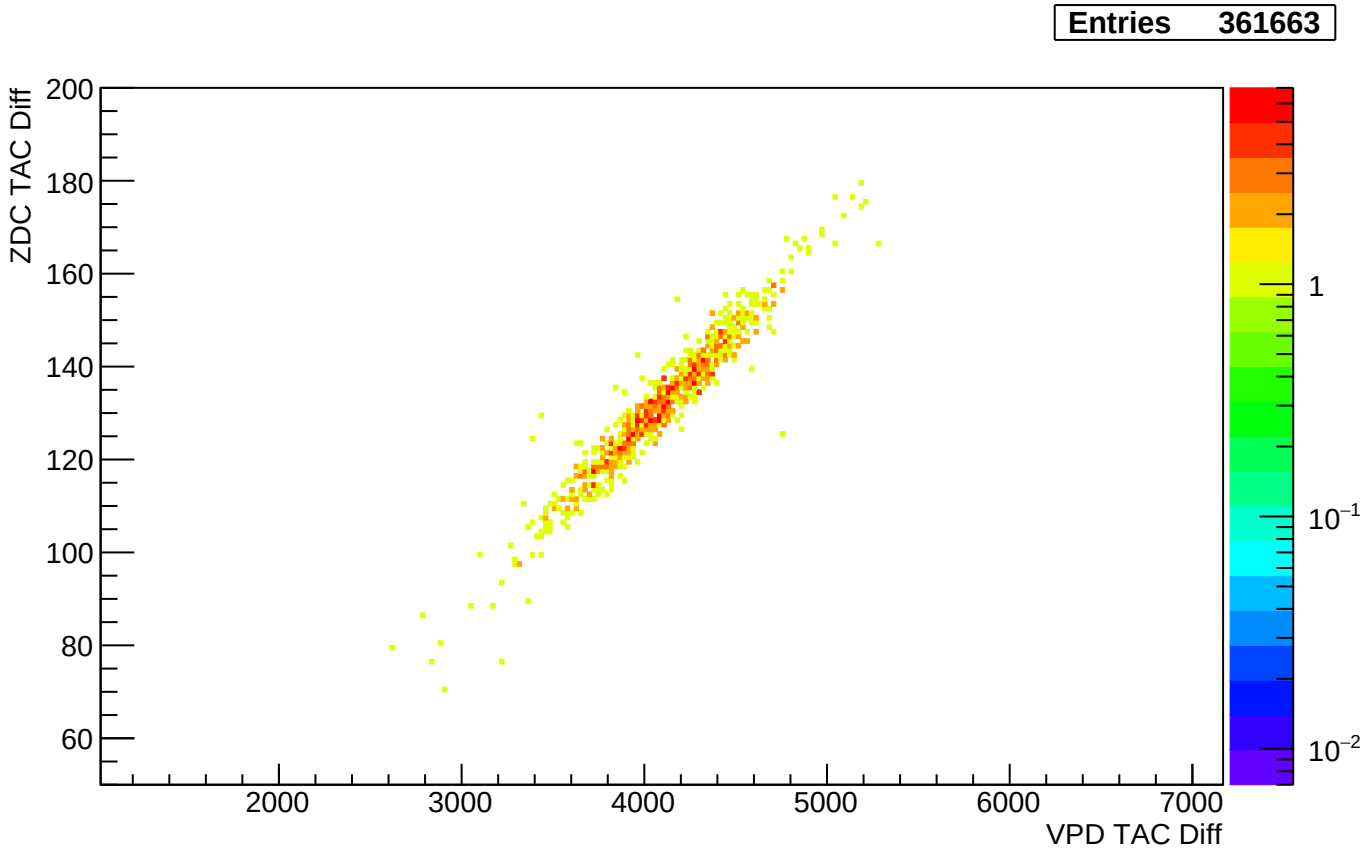

Entries 361663
TOF-Mult
EPD-East Hit Cnt

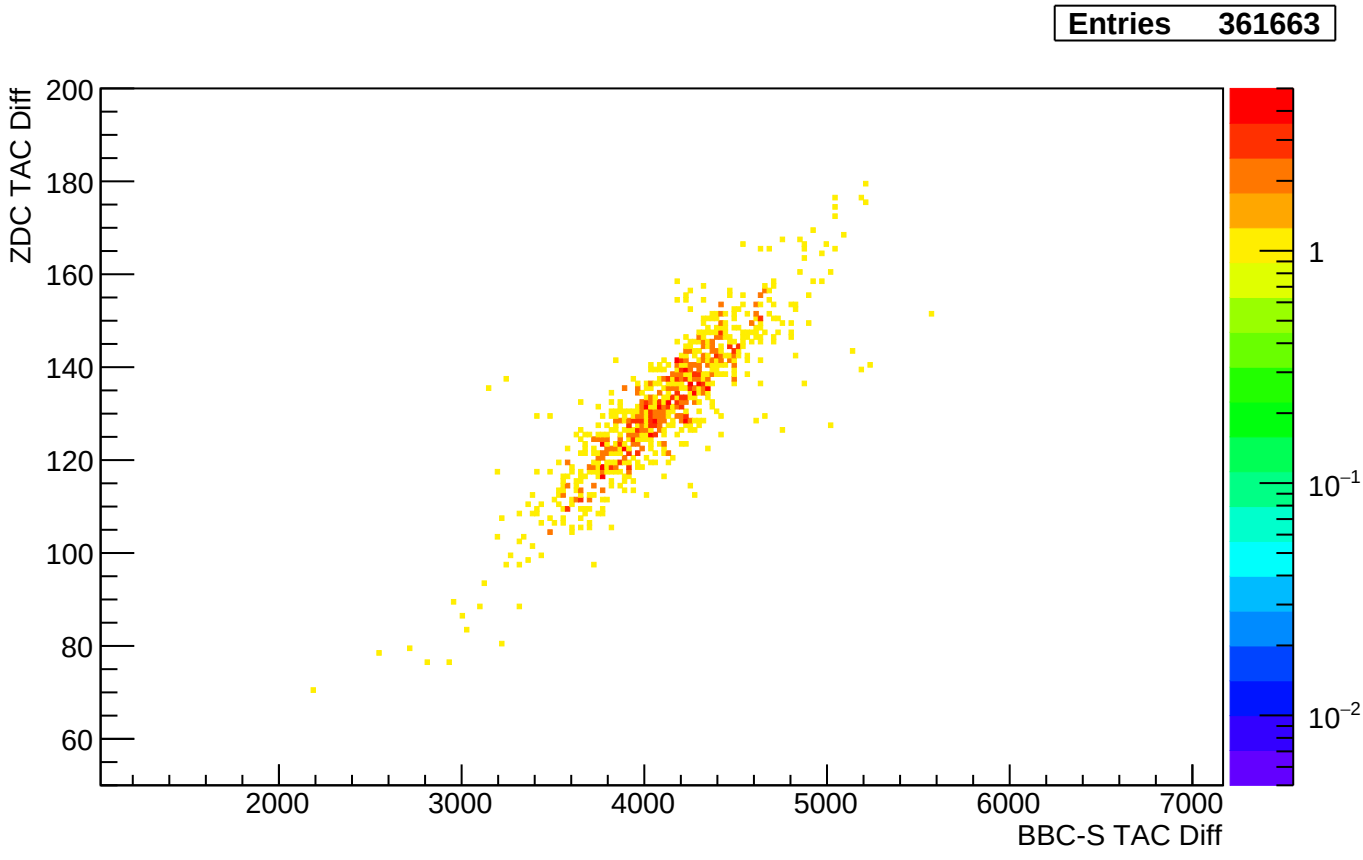

Entries 361663
TOF-Mult
EPD-West Hit Cnt

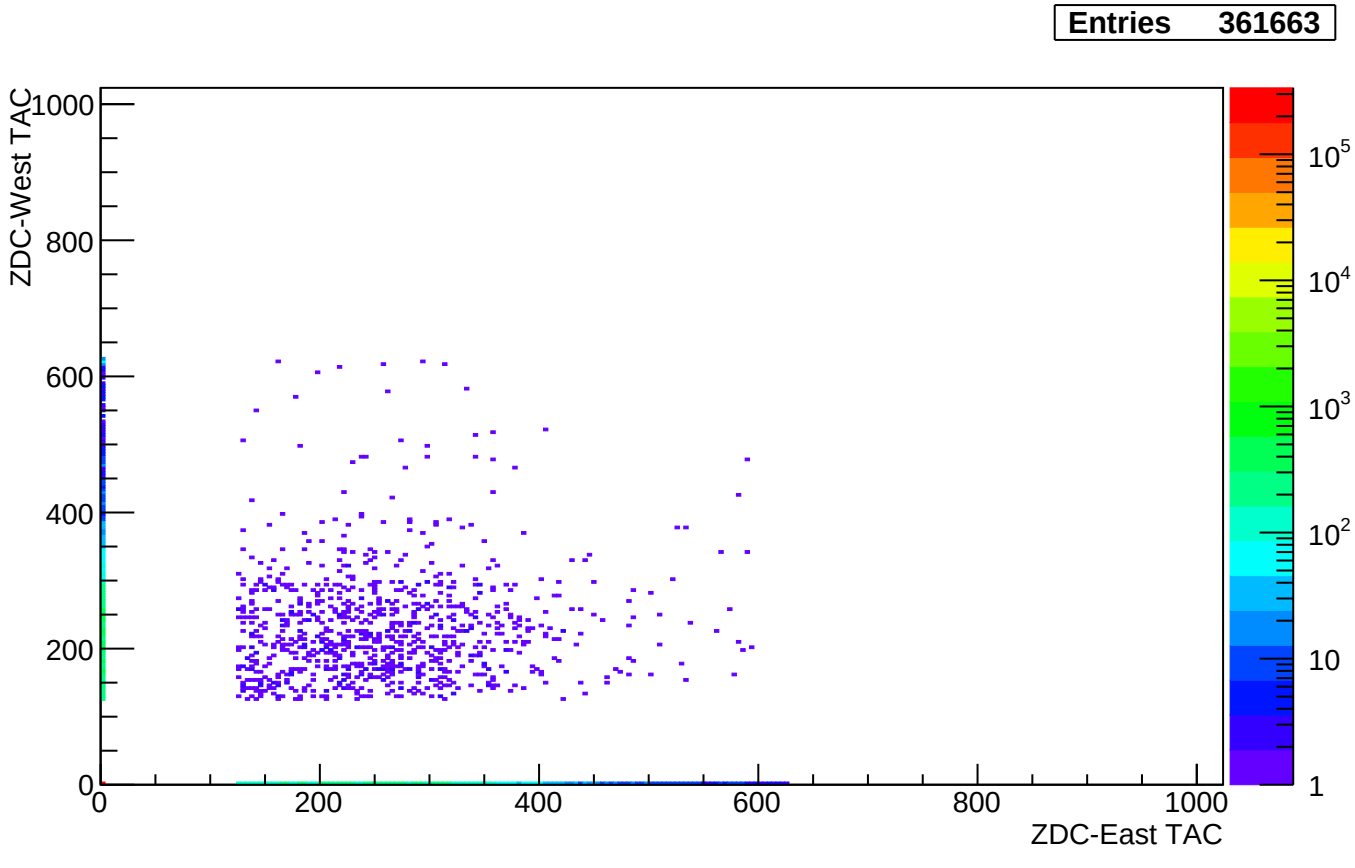

Entries 361663
TOF-Mult
VPD-East ADC Sum

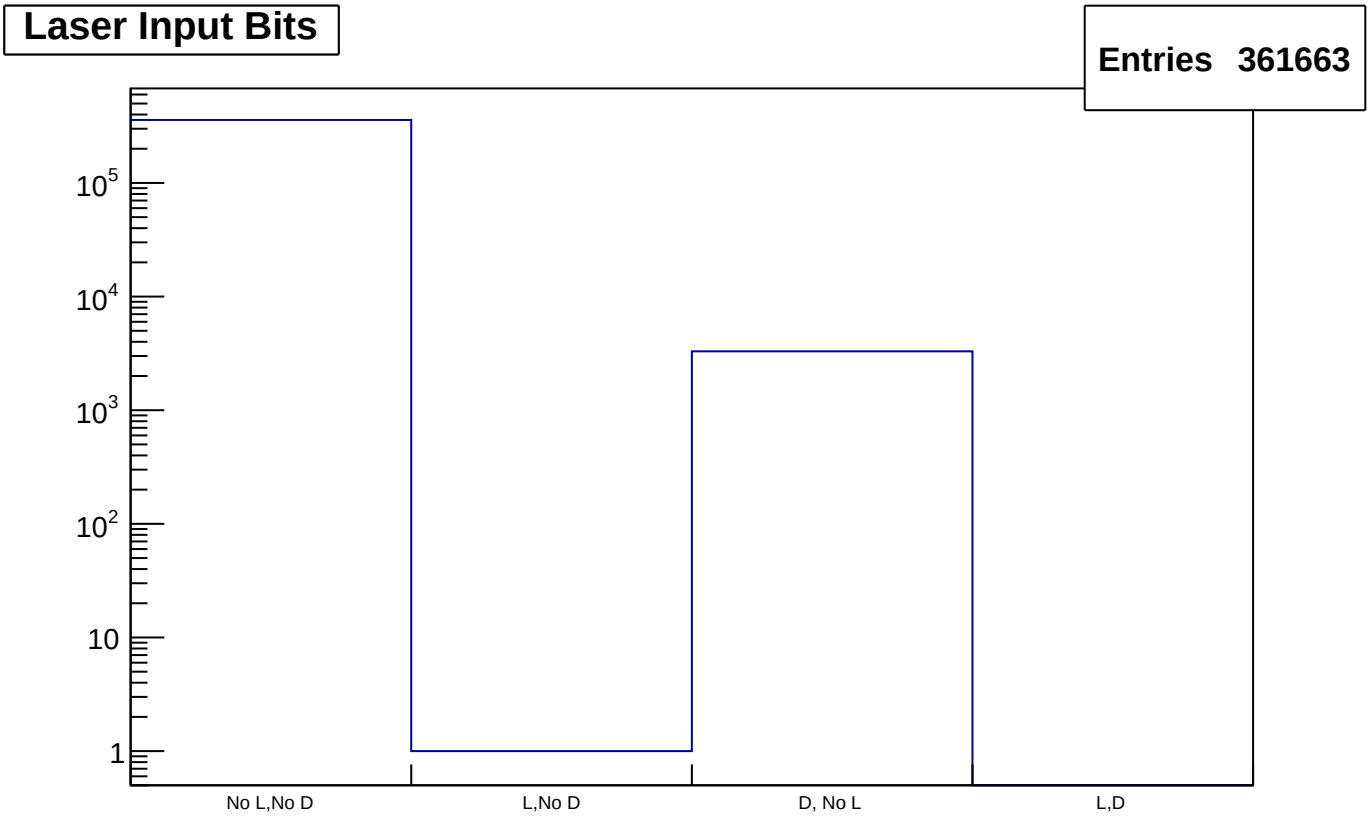

Entries 361663
TOF-Mult
VPD-West ADC Sum

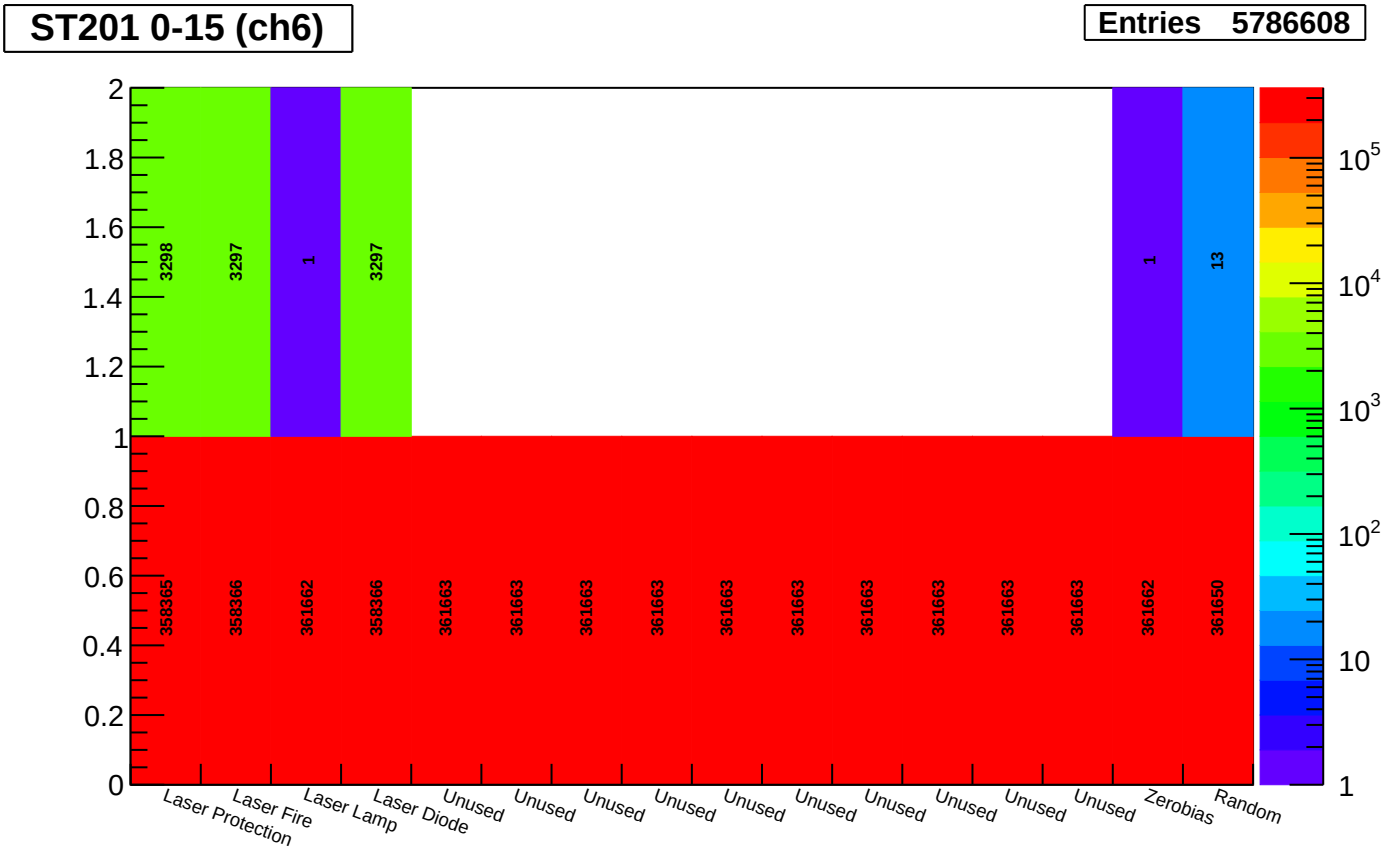

Entries 361663
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

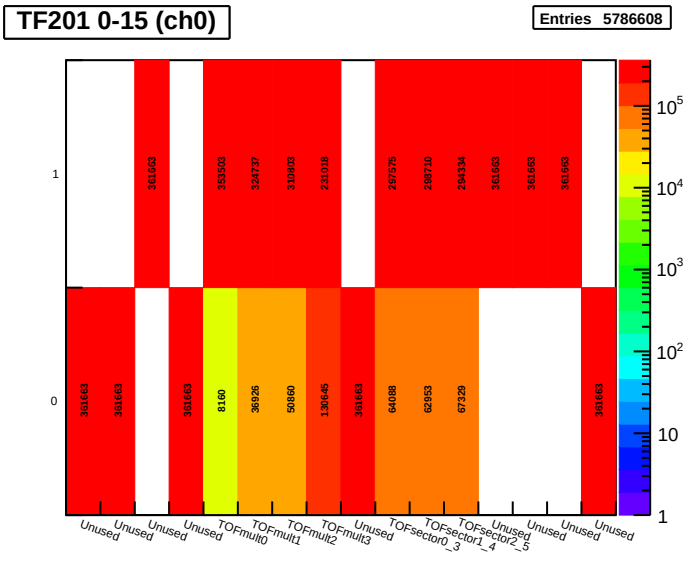

Entries 361663
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

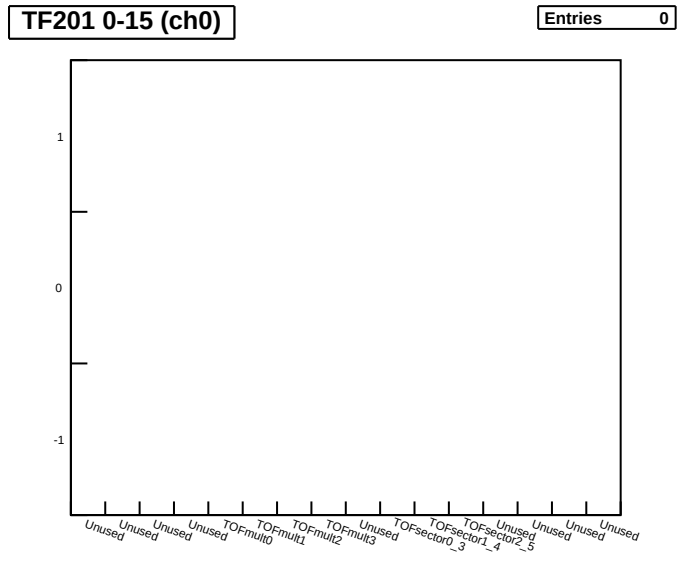

Entries 361663
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

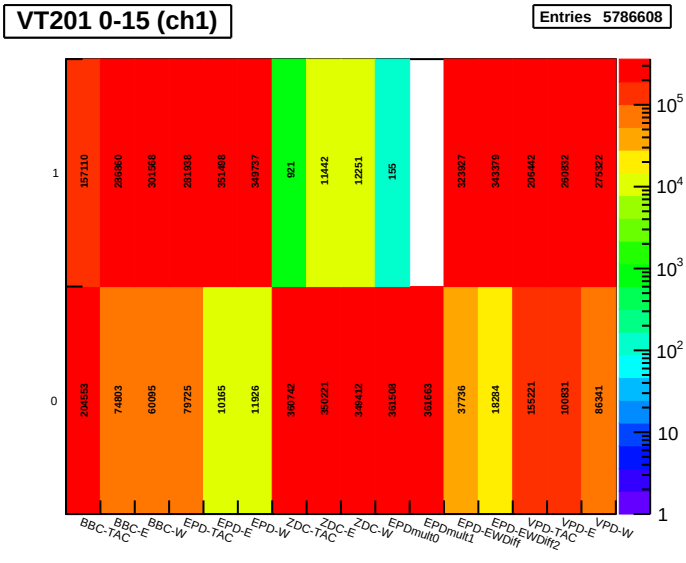

Entries 361663
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

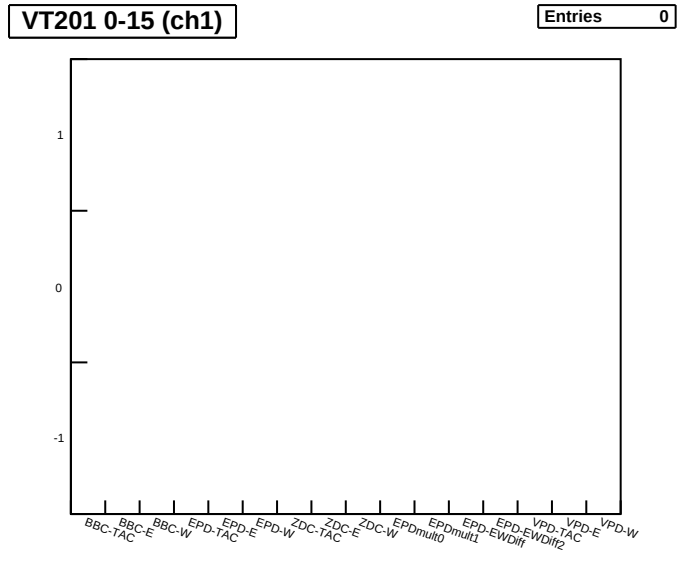

Laser Input Bits
Entries 361663
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

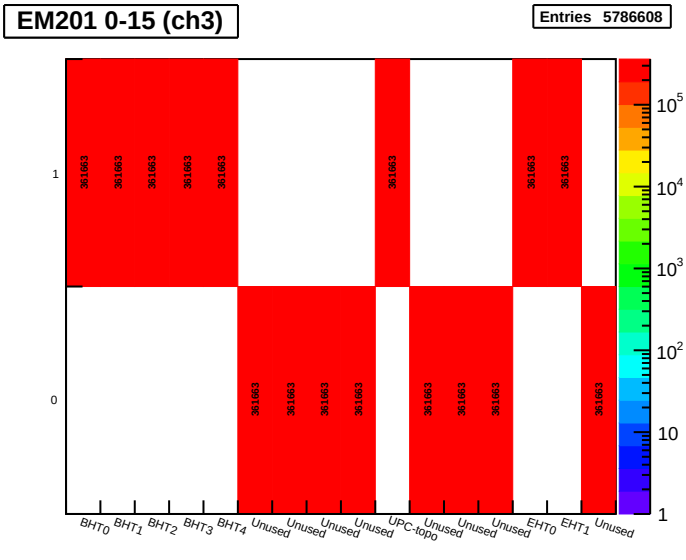

ST201 0-15 (ch6)
Entries 5786608
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3298
3297
1
3297
1
13
358365
358366
361662
358366
361663
361663
361663
361663
361663
361663
361663
361663
361663
361663
361663
361662
361650
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

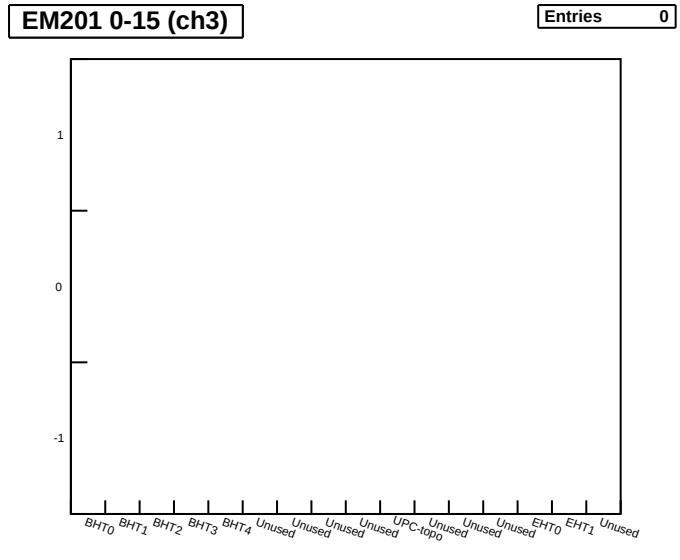

TF201 0-15 (ch0)
Entries 5786608
361663 333503 324737 310803 231018 297575 298710 294334 361663 361663 361663
361663 361663 361663 8160 36926 50860 130645 361663 64088 62953 67329 361663
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 5786608
157110 286850 301568 281938 351488 349737 921 11442 12251 155 323927 343379 206442 260832 275322
204553 74803 60095 79725 10165 11926 360742 350221 349412 361508 361663 37736 18284 155221 100831 86341
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 0
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 5786608
361663 361663 361663 361663 361663 361663 361663 361663
361663 361663 361663 361663 361663 361663 361663 361663
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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