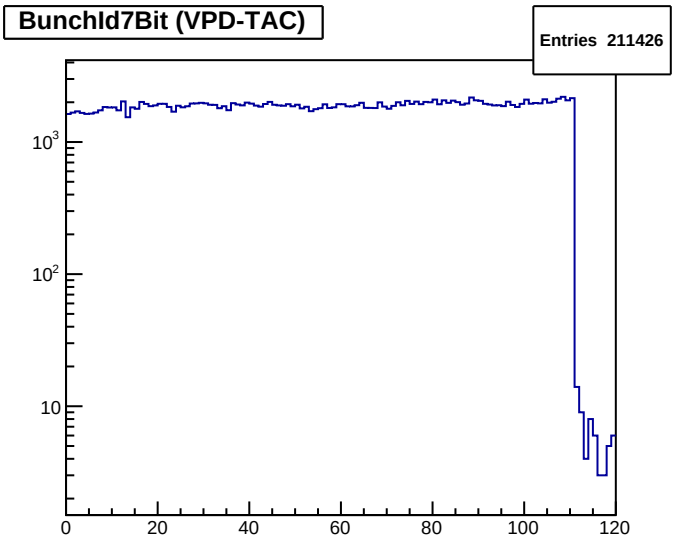
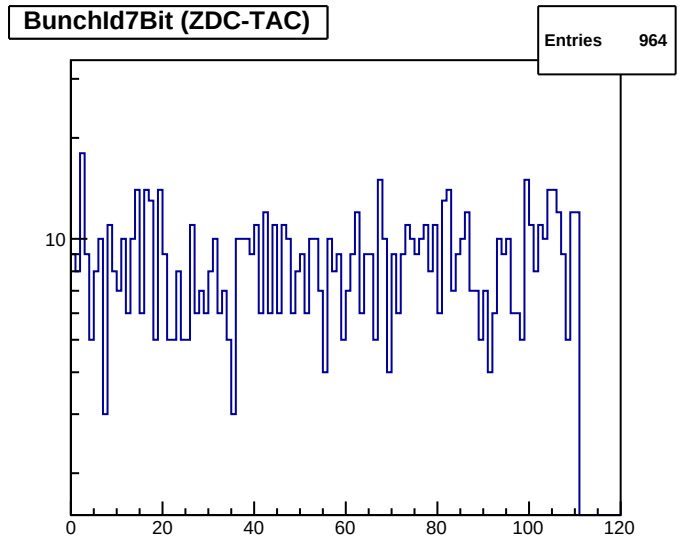
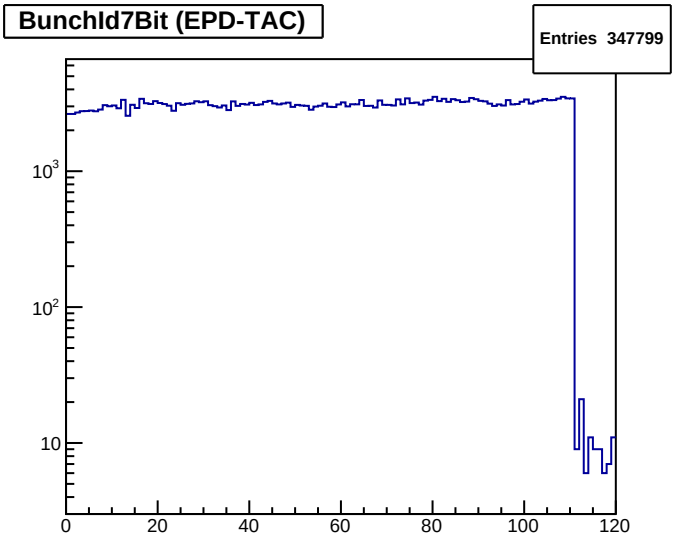
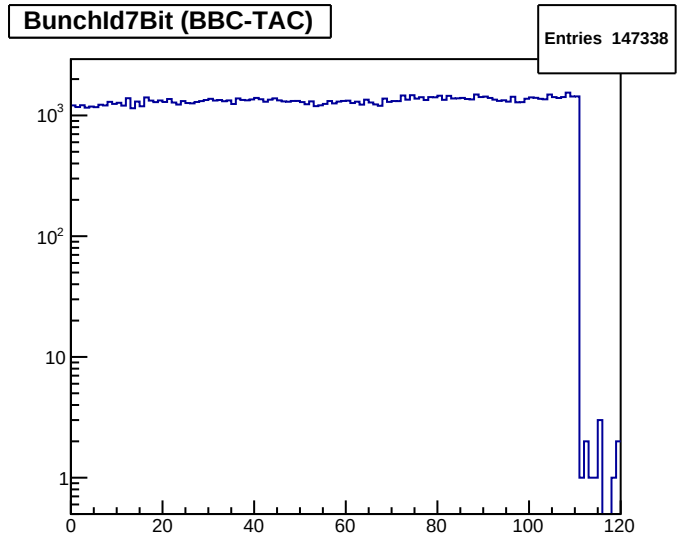
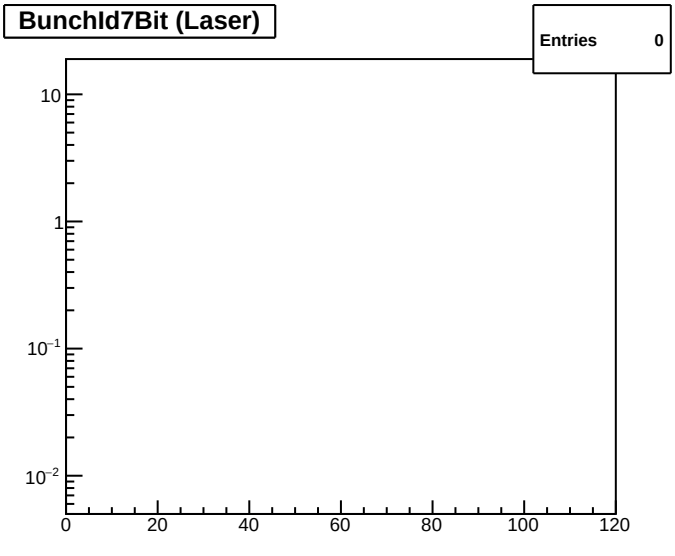
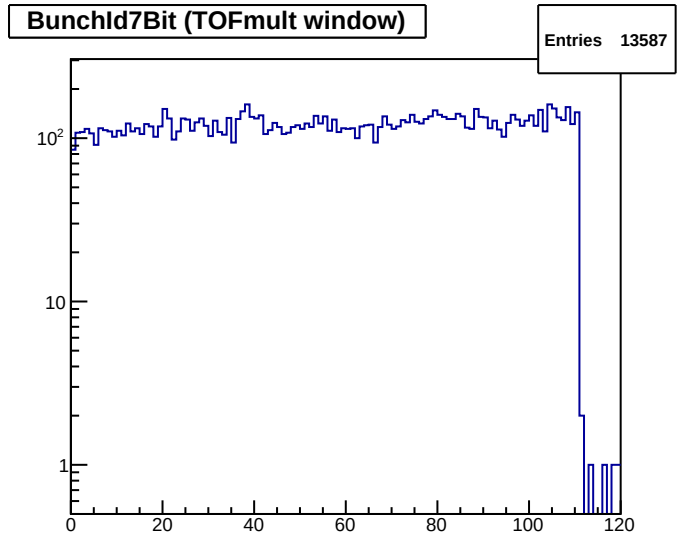

BunchId7Bit (VPD-TAC)
Entries 211426
10^3
10^2
10
0 20 40 60 80 100 120

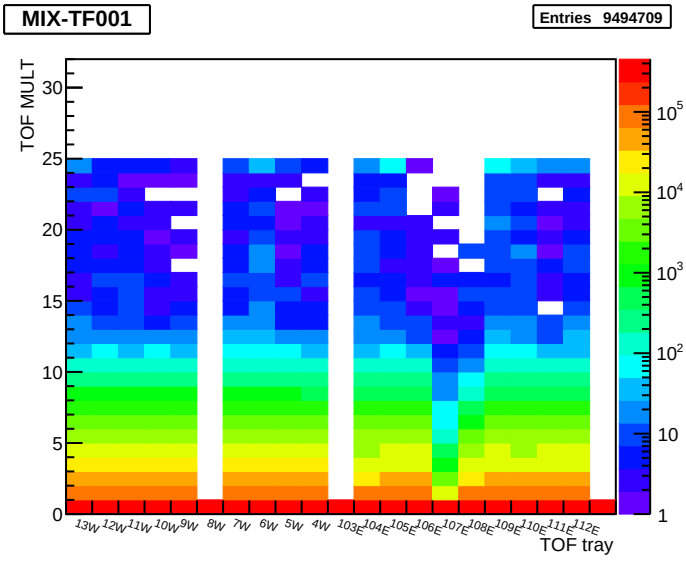

BunchId7Bit (ZDC-TAC)
Entries 964
10
0 20 40 60 80 100 120

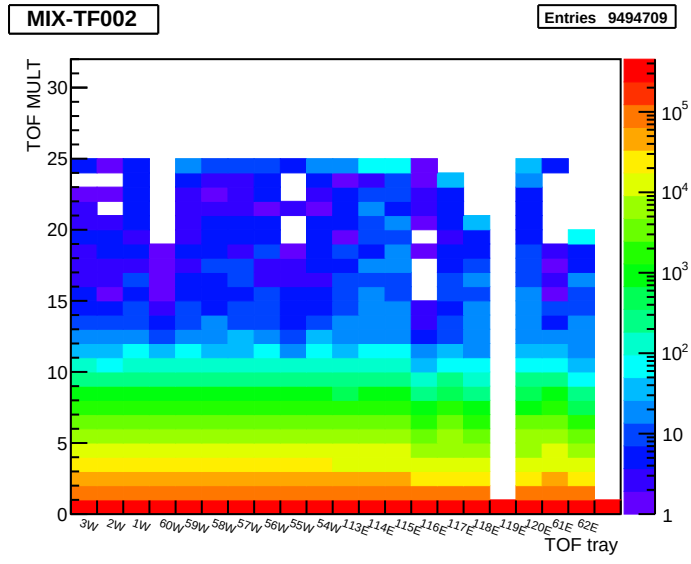

BunchId7Bit (EPD-TAC)
Entries 347799
10^3
10^2
10
0 20 40 60 80 100 120

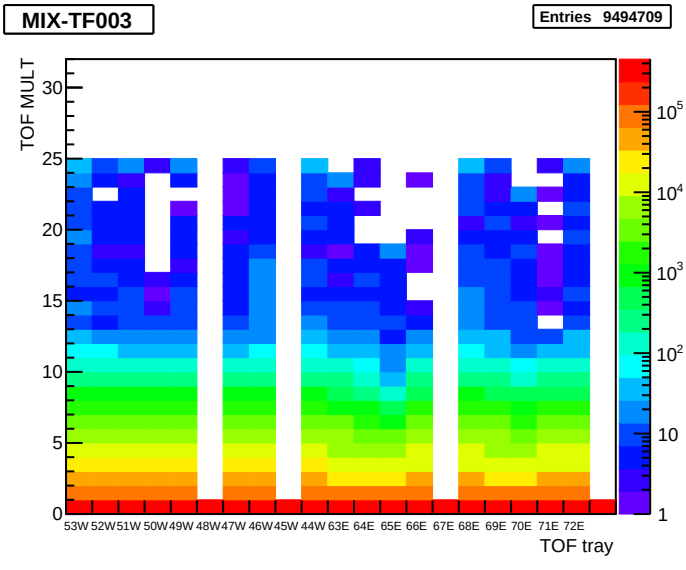

BunchId7Bit (BBC-TAC)
Entries 147338
10^3
10^2
10
1
0 20 40 60 80 100 120

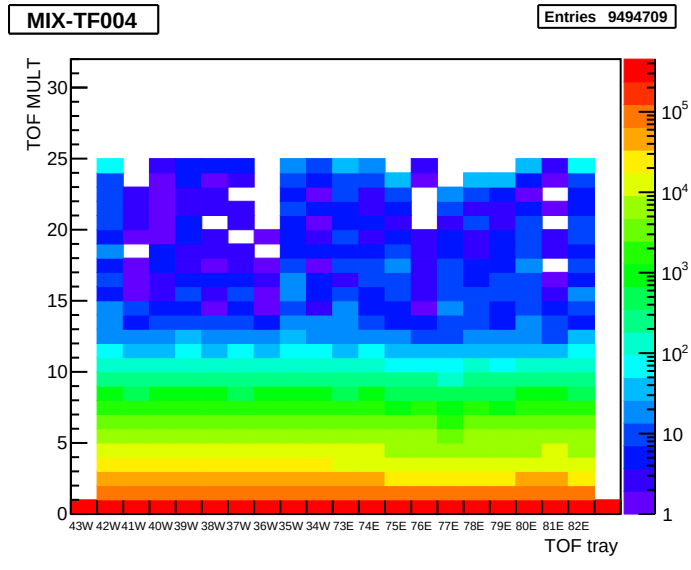

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

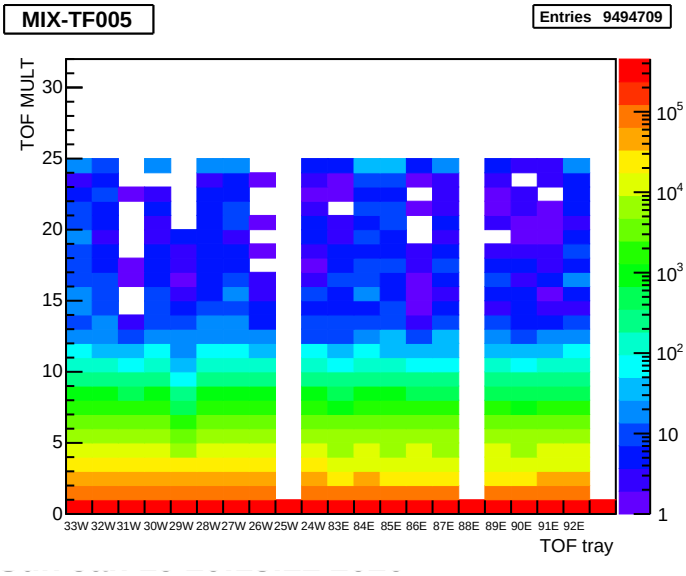

BunchId7Bit (TOFmult window)
Entries 13587
10^2
10
1
0 20 40 60 80 100 120

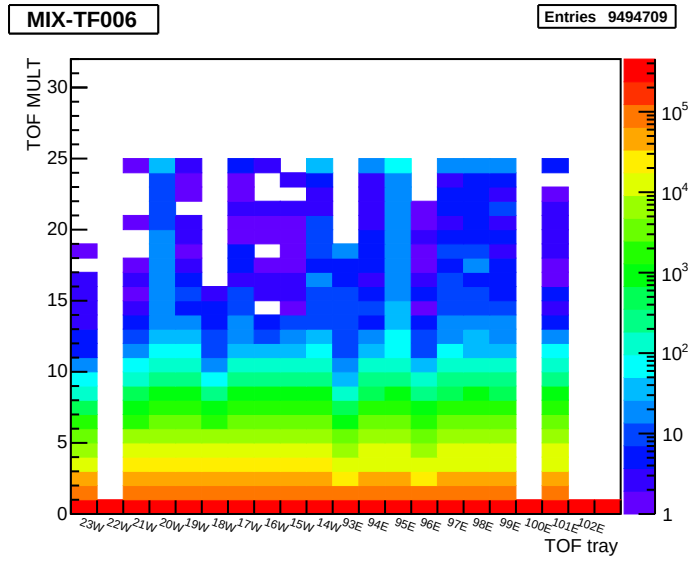

MIX-TF001
Entries 9494709
TOF MULT
TOF tray

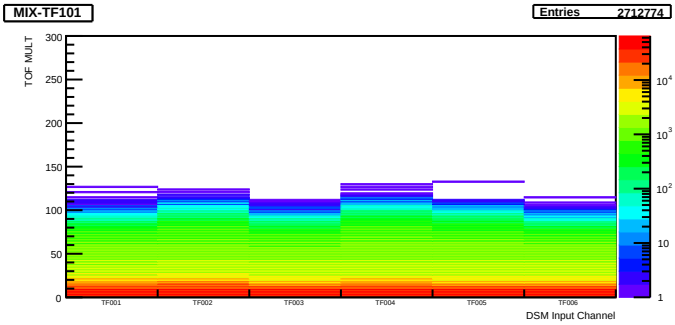

MIX-TF002
Entries 9494709
TOF MULT
TOF tray

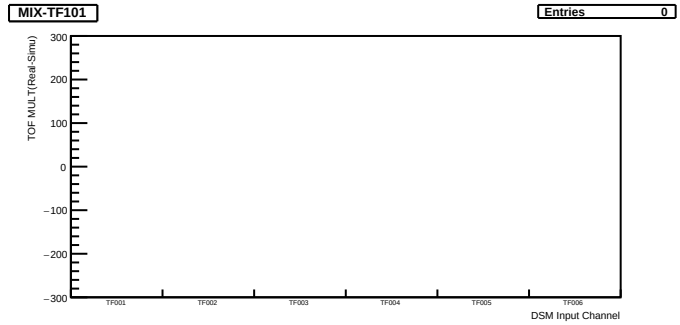

MIX-TF003
Entries 9494709
TOF MULT
TOF tray

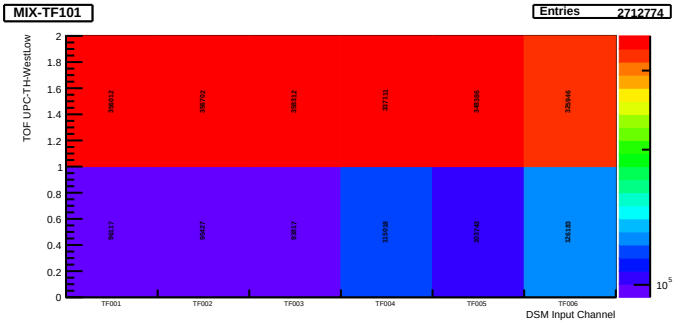

MIX-TF004
Entries 9494709
TOF MULT
TOF tray

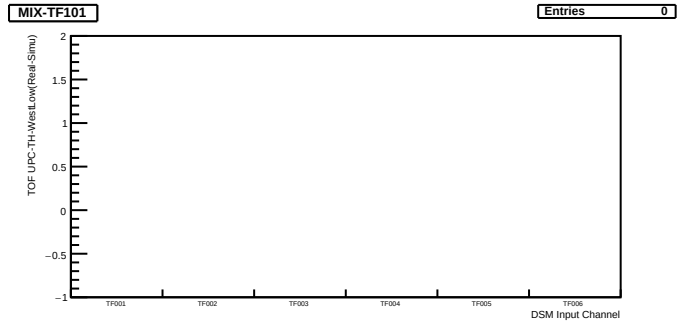

MIX-TF005
Entries 9494709
TOF MULT
TOF tray

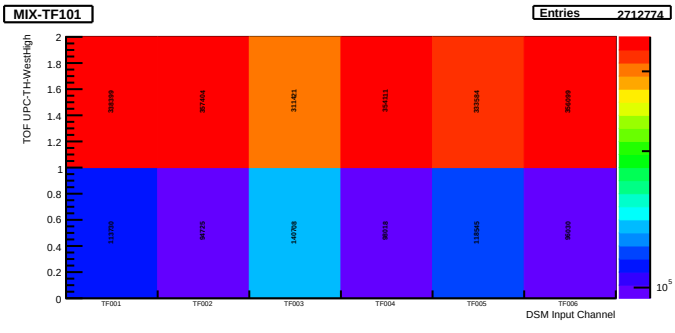

MIX-TF006
Entries 9494709
TOF MULT
TOF tray

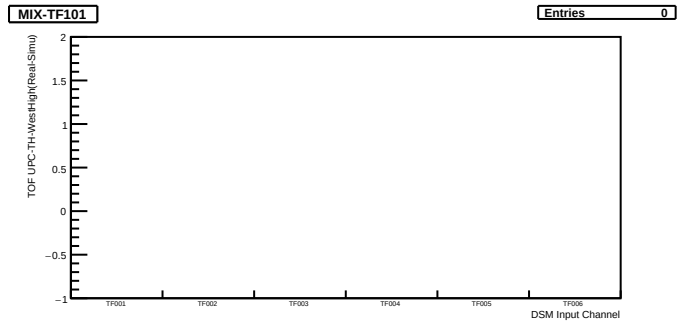

MIX-TF101
Entries 2712774
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

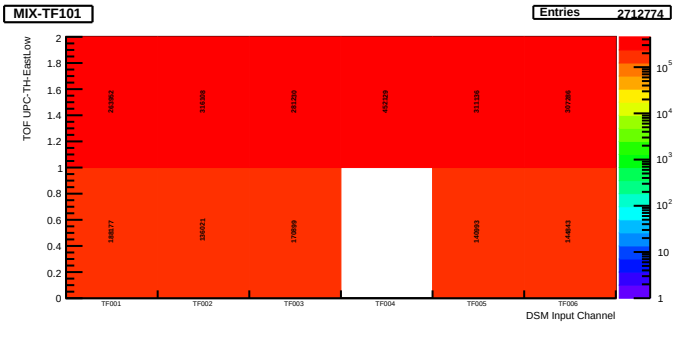

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

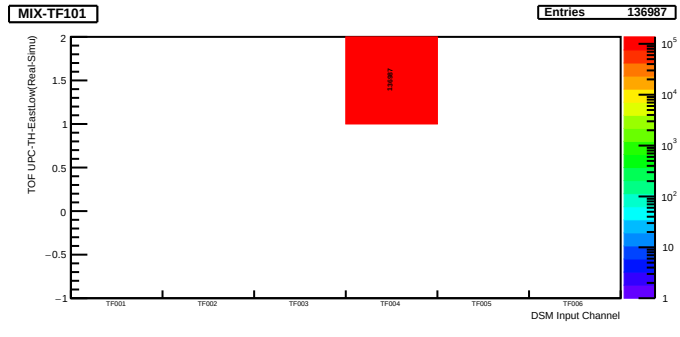

MIX-TF101
Entries 2712774
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

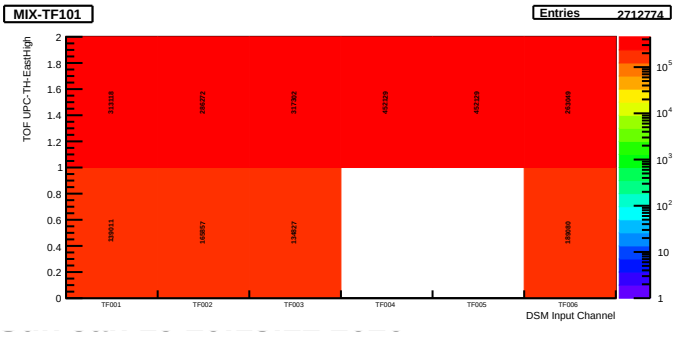

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

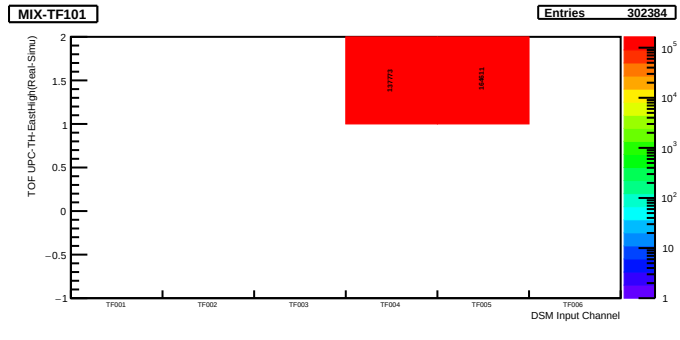

MIX-TF101
Entries 2712774
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

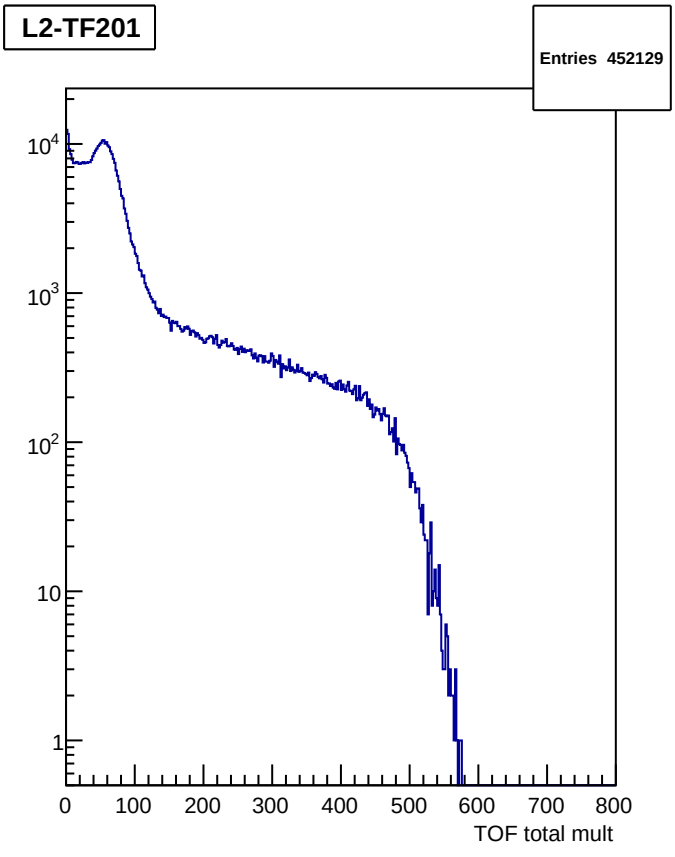

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

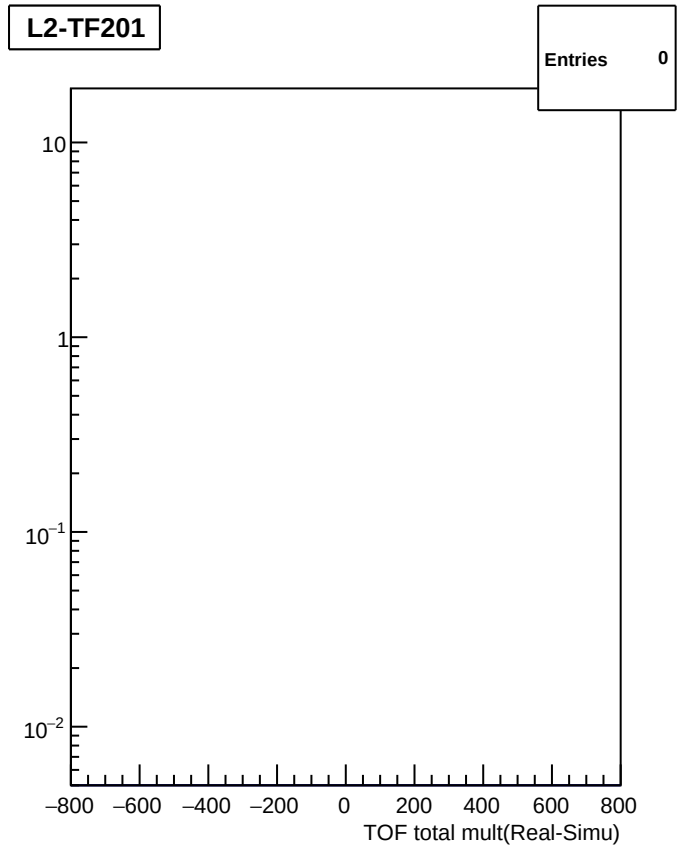

MIX-TF101
Entries 2712774
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

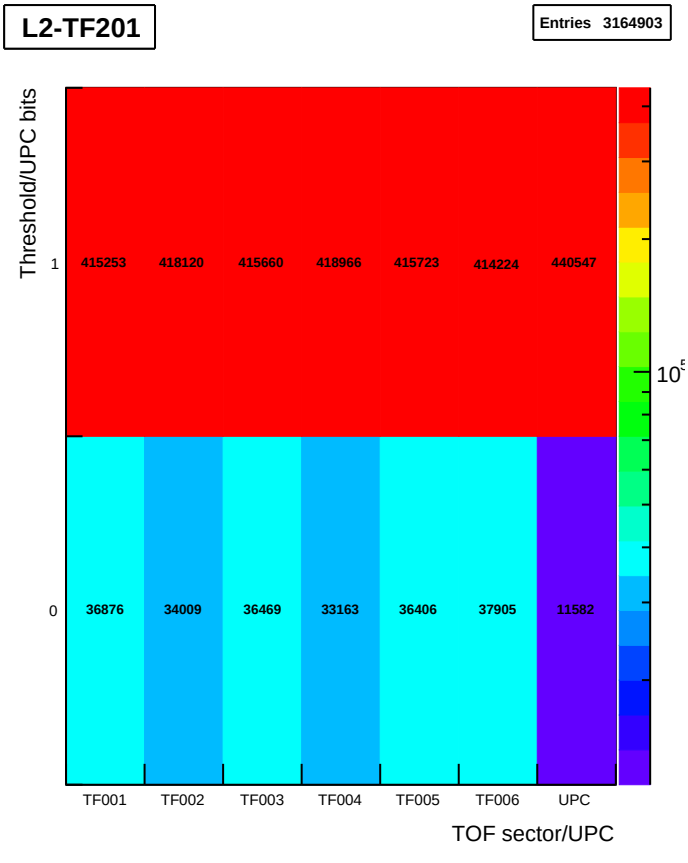

MIX-TF101
Entries 136987
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

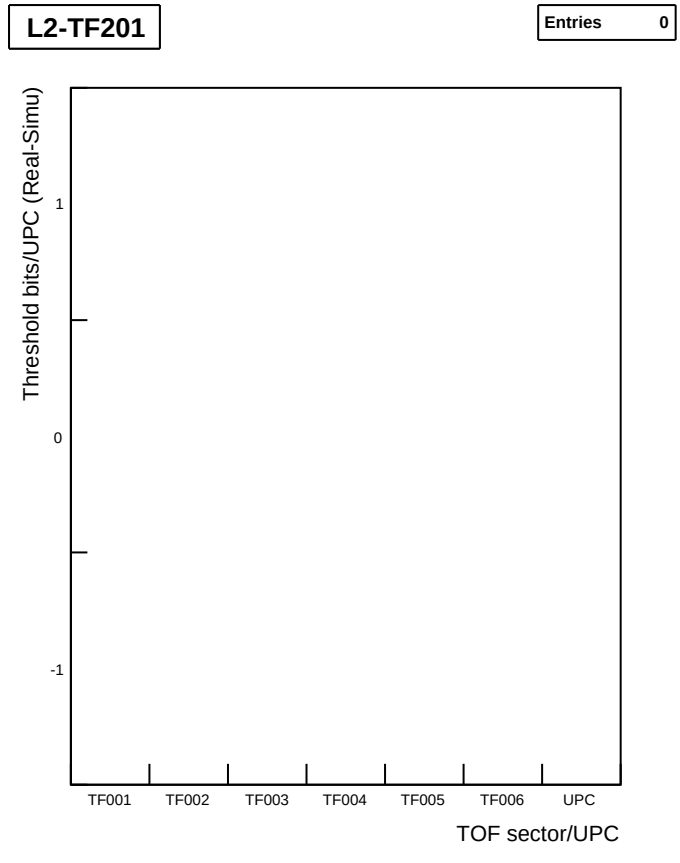

MIX-TF101
Entries 2712774
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

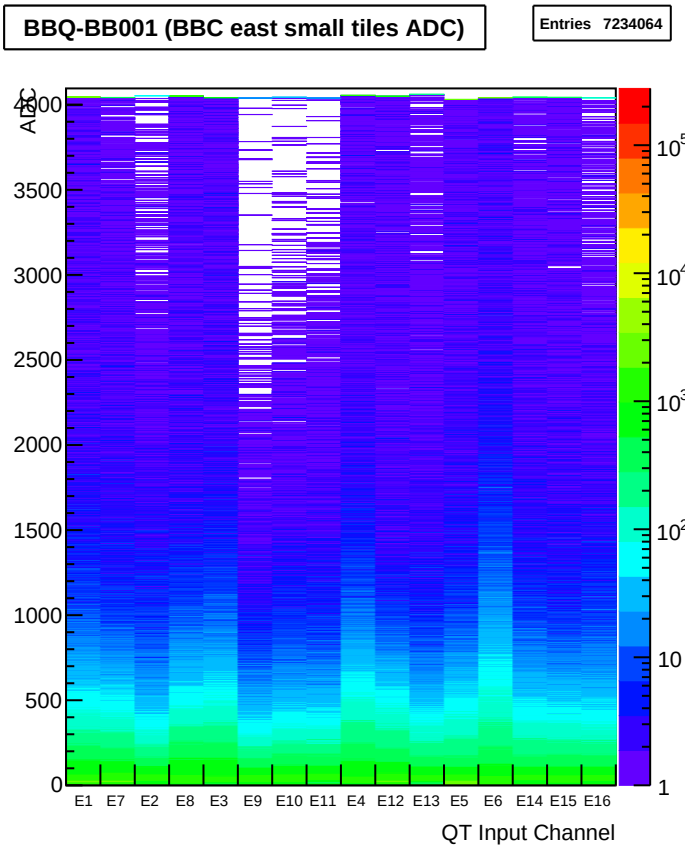

MIX-TF101
Entries 302384
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

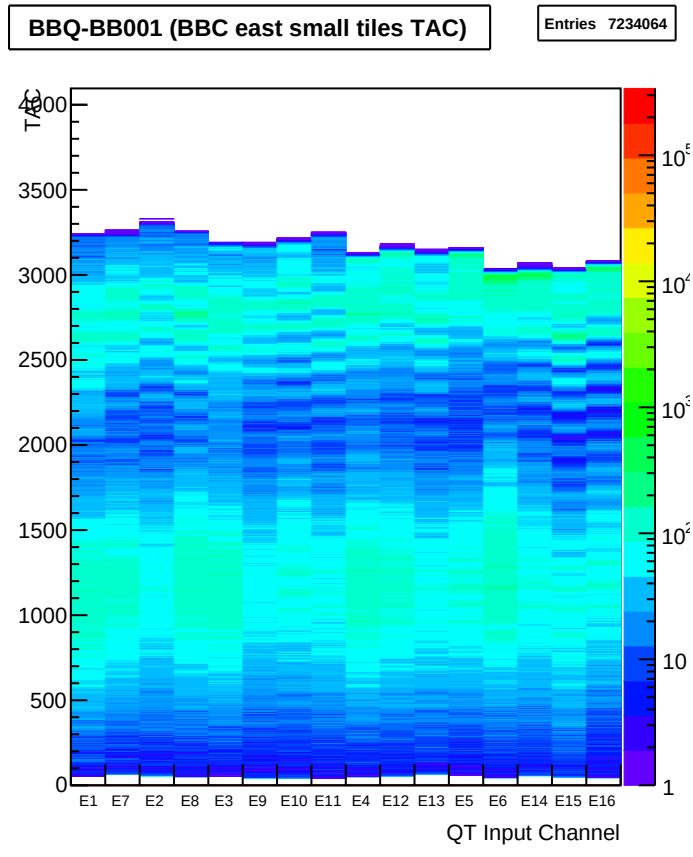

L2-TF201
Entries 452129
TOF total mult

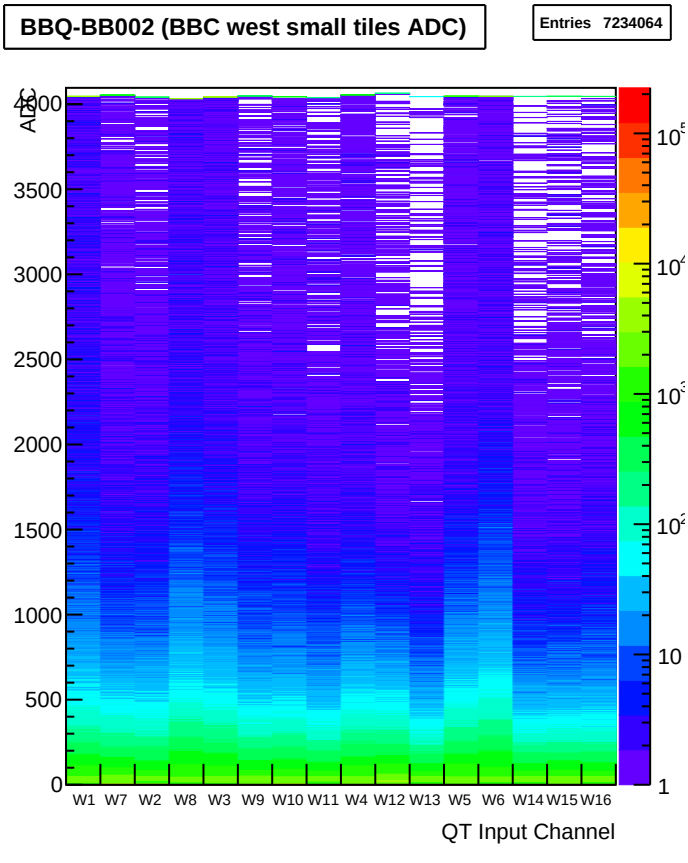

L2-TF201
Entries 0
TOF total mult(Real-Simu)

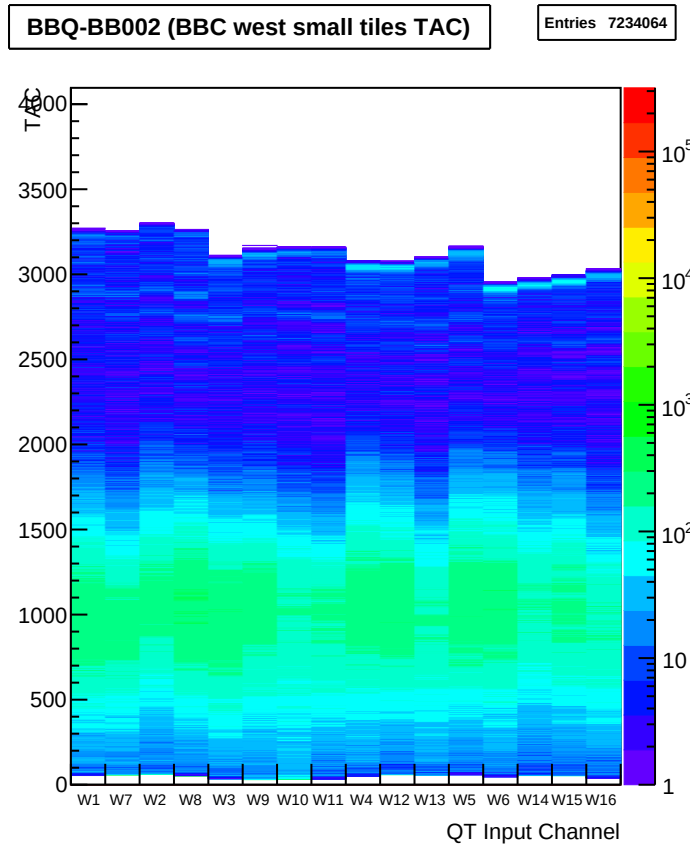

L2-TF201
Entries 3164903
Threshold/UPC bits
415253
418120
415660
418966
415723
414224
440547
36876
34009
36469
33163
36406
37905
11582
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

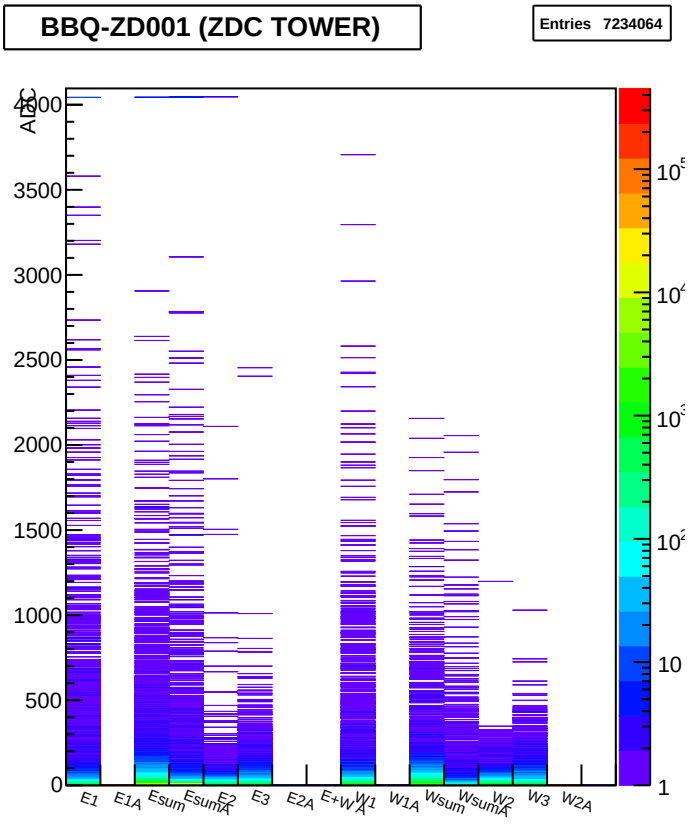

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

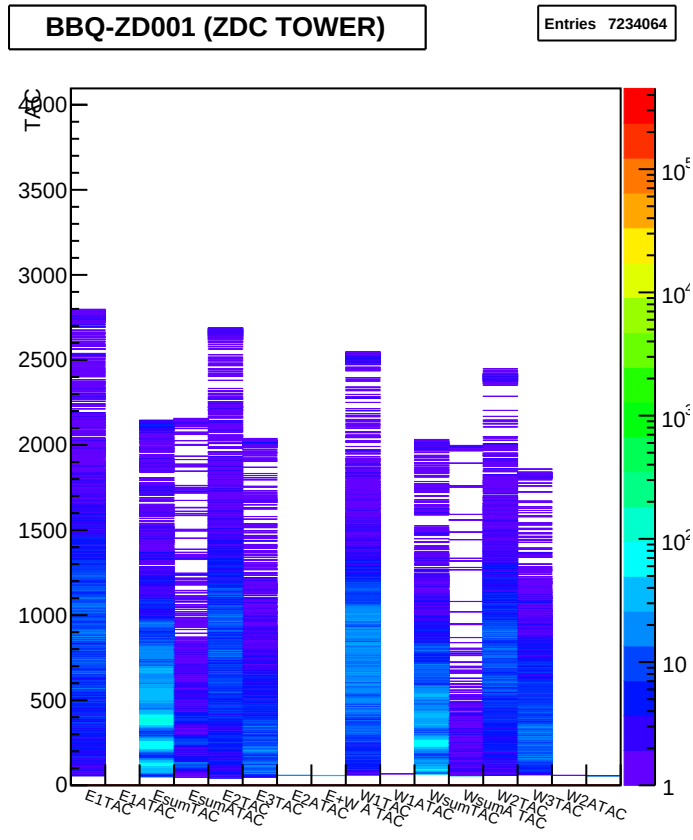

BBQ-BB001 (BBC east small tiles ADC)
Entries 7234064
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

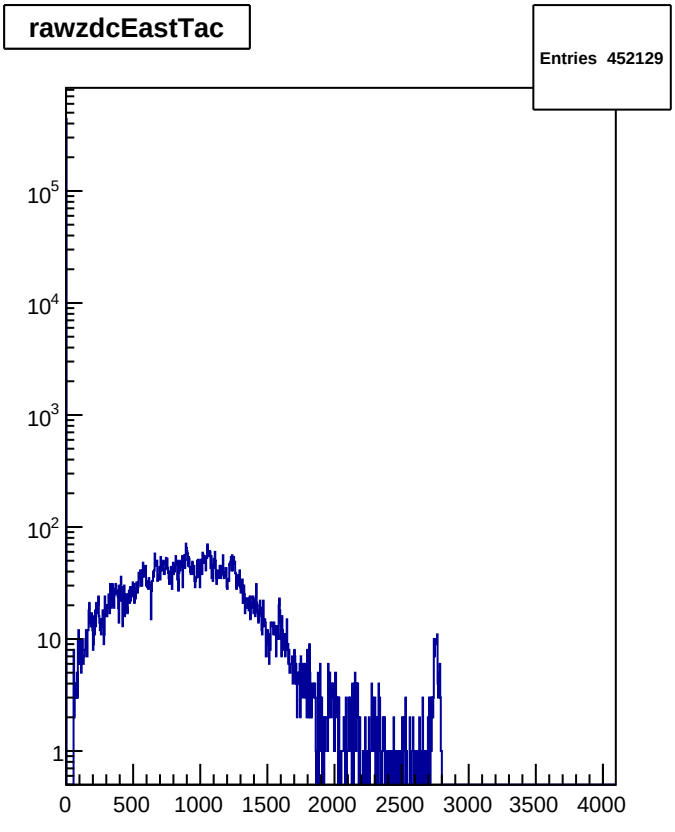

BBQ-BB001 (BBC east small tiles TAC)
Entries 7234064
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

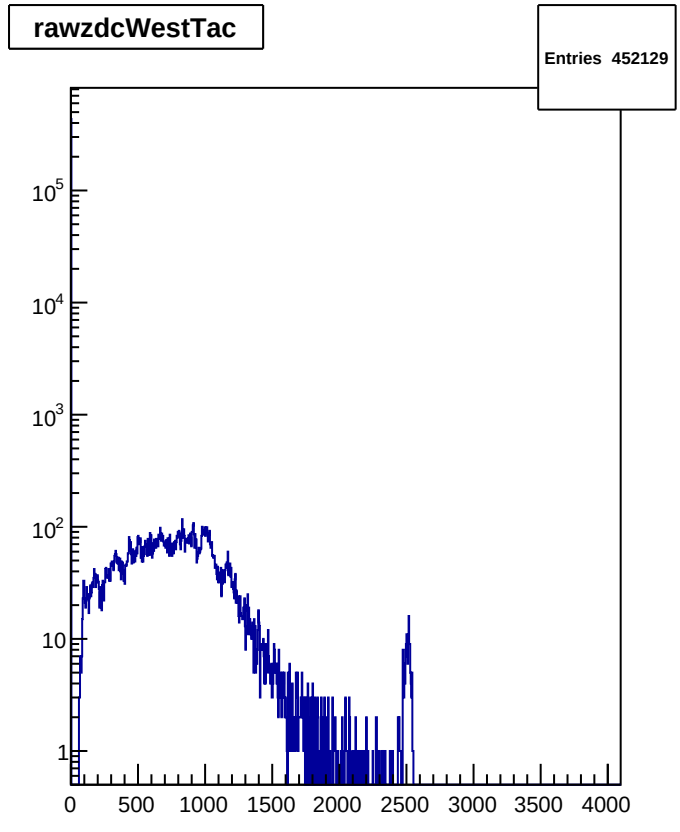

BBQ-BB002 (BBC west small tiles ADC)
Entries 7234064
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

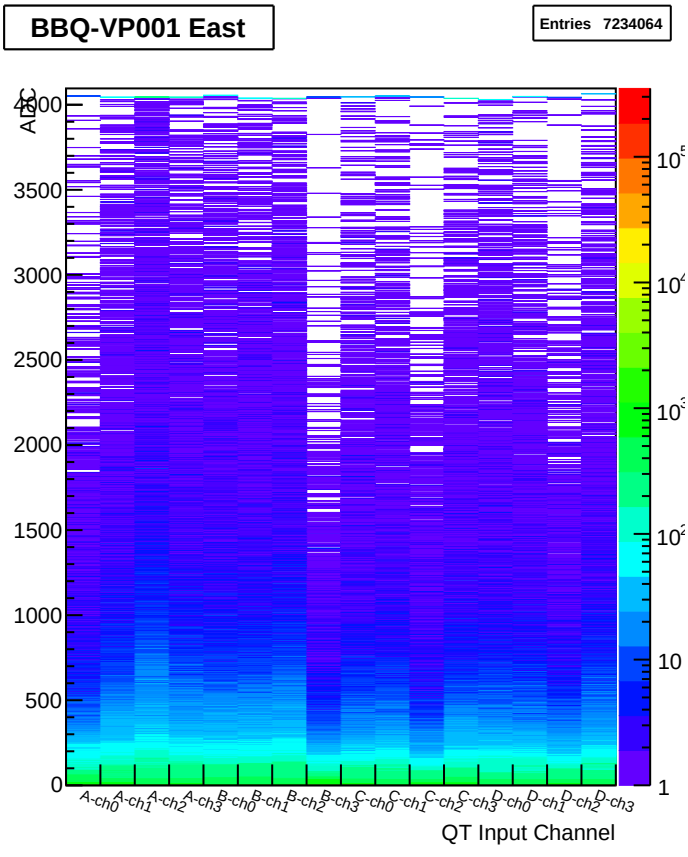

BBQ-BB002 (BBC west small tiles TAC)
Entries 7234064
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

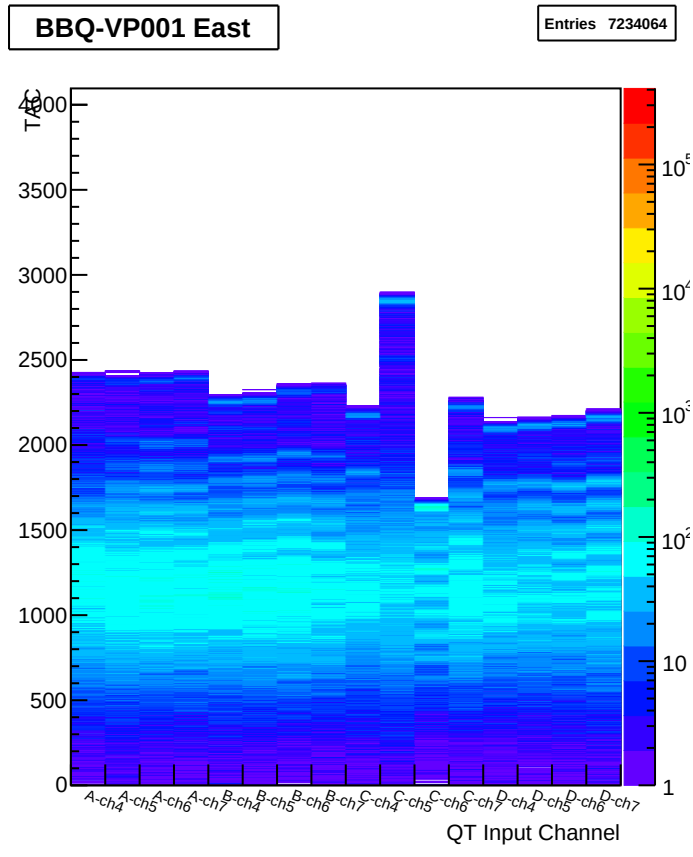

BBQ-ZD001 (ZDC TOWER)
Entries 7234064
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

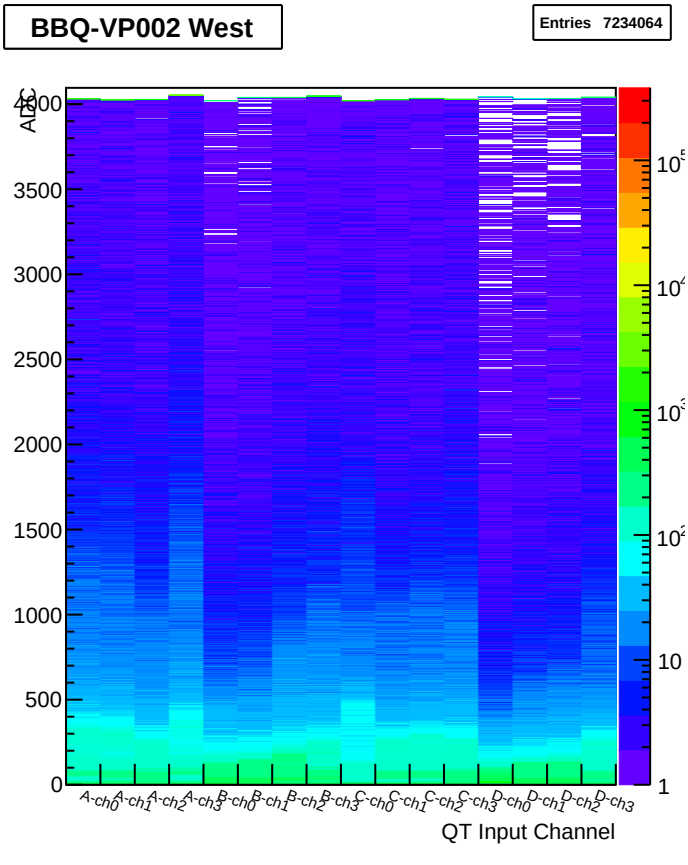

BBQ-ZD001 (ZDC TOWER)
Entries 7234064
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

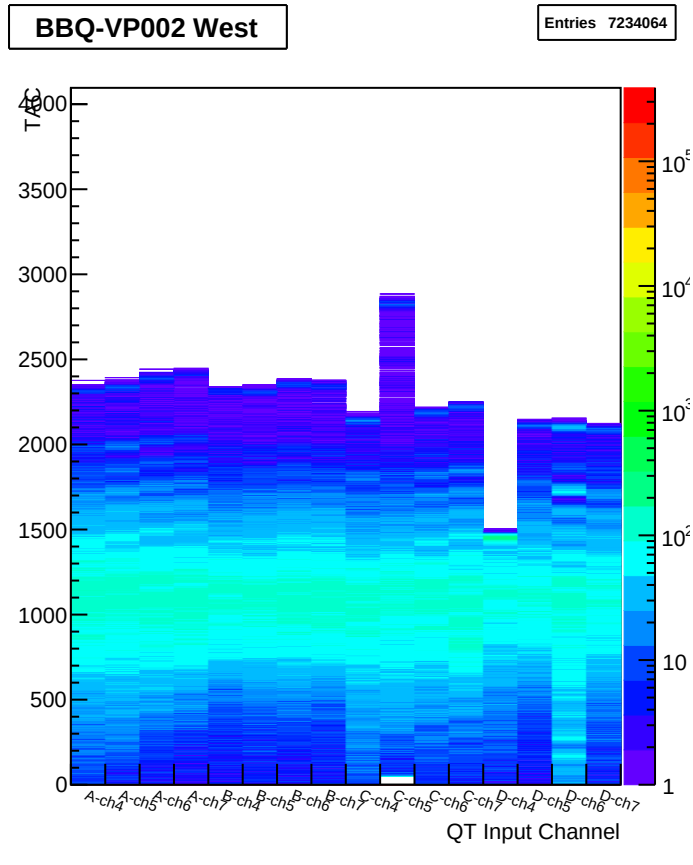

rawzdcEastTac
Entries 452129

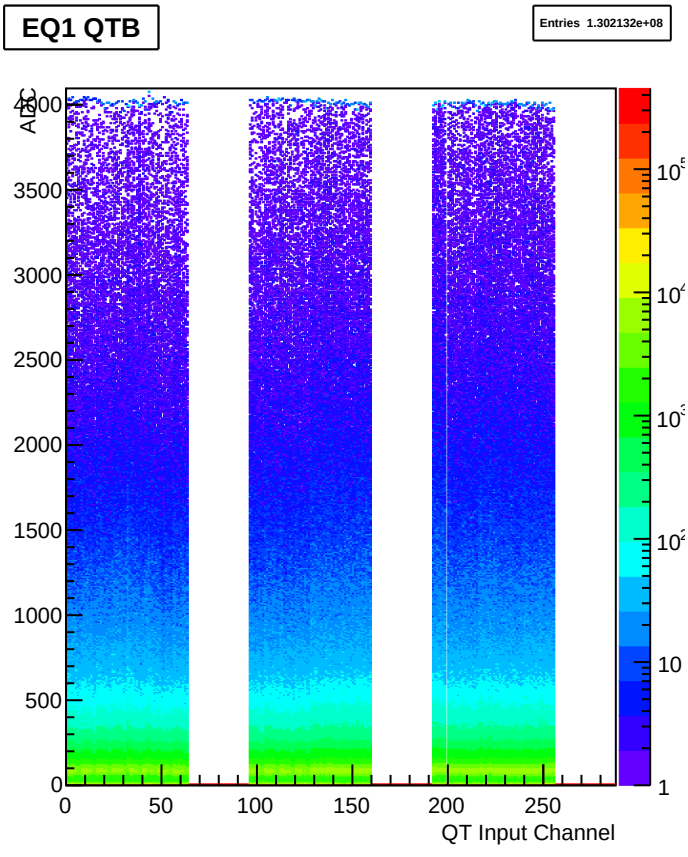

rawzdcWestTac
Entries 452129

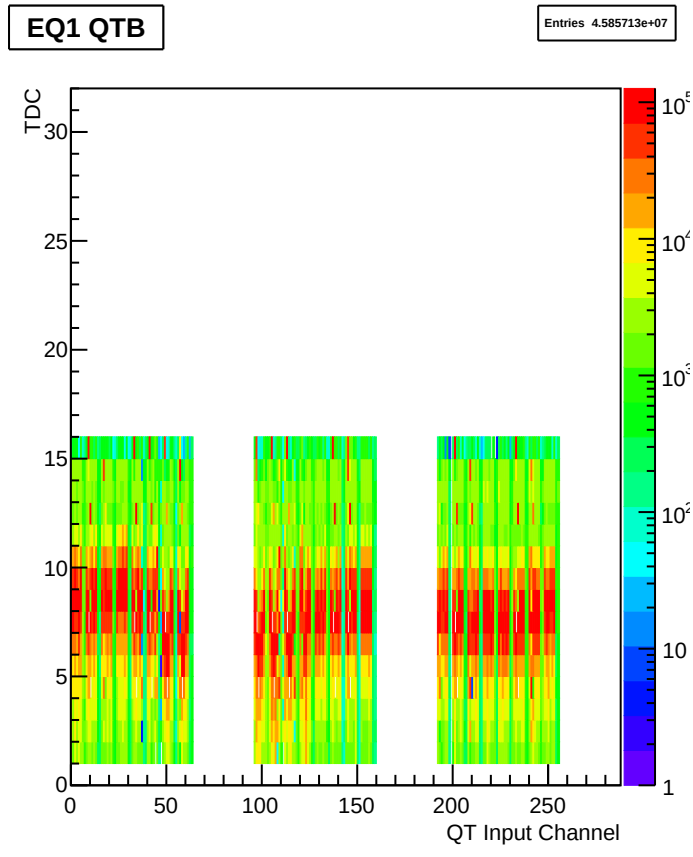

BBQ-VP001 East
Entries 7234064
ADC
QT Input Channel

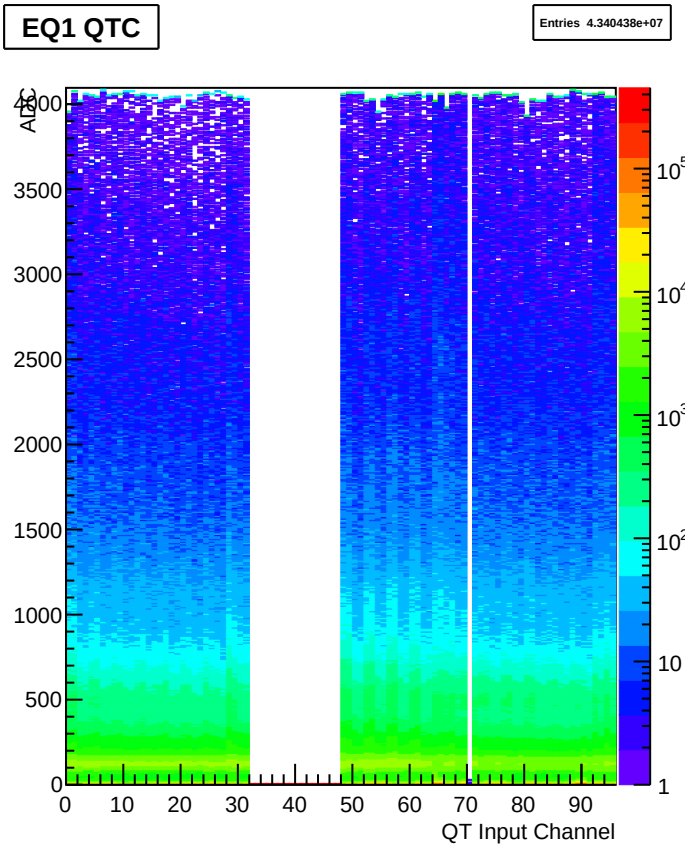

BBQ-VP001 East
Entries 7234064
TADC
QT Input Channel

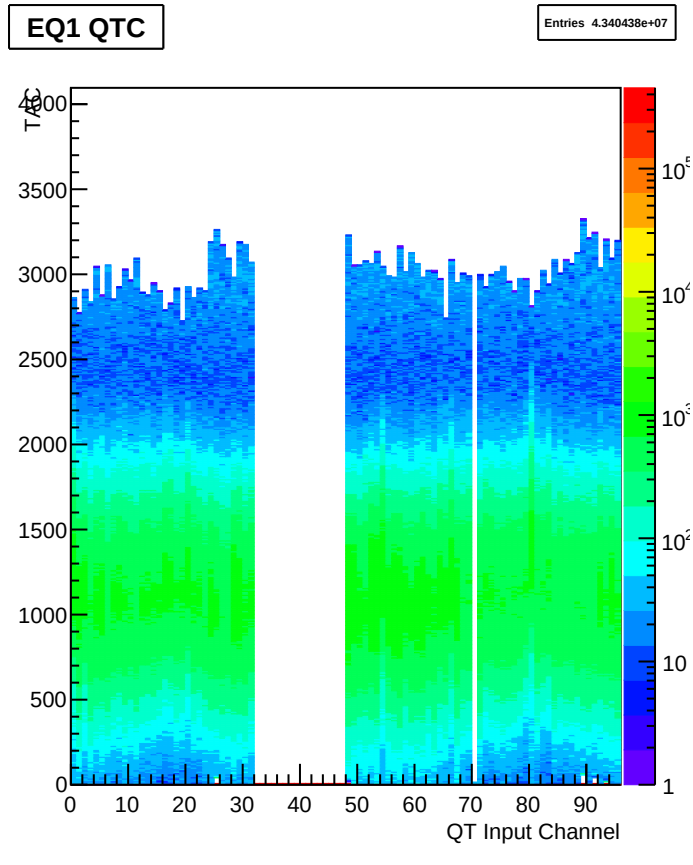

BBQ-VP002 West
Entries 7234064
ADC
QT Input Channel

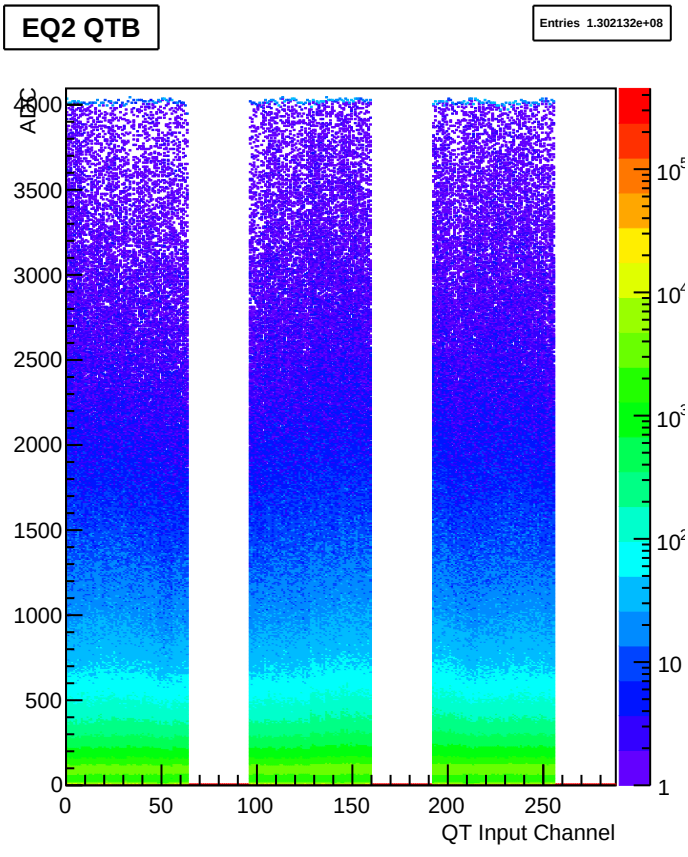

BBQ-VP002 West
Entries 7234064
TADC
QT Input Channel

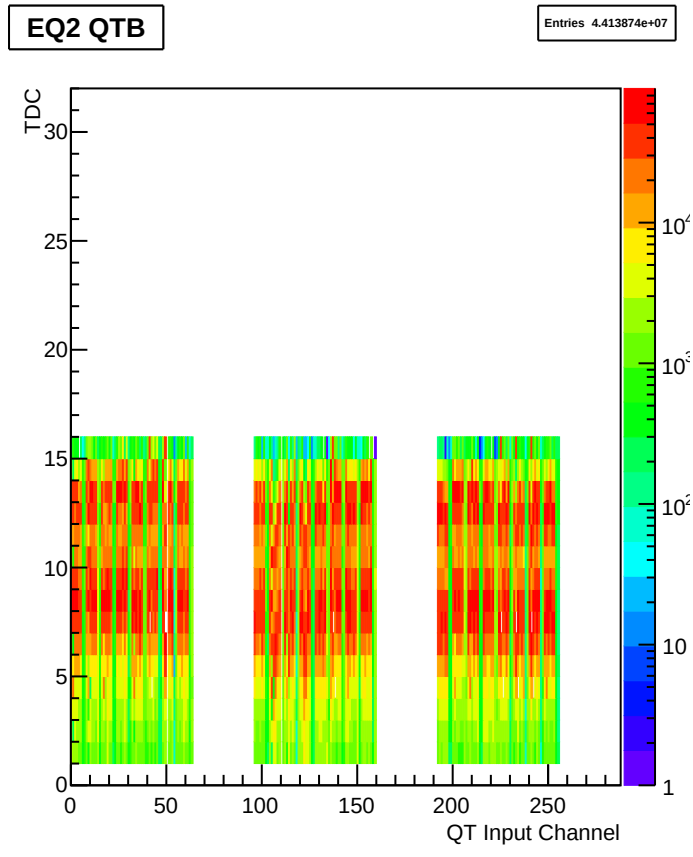

EQ1 QTB
Entries 1.302132e+08
ADC
QT Input Channel

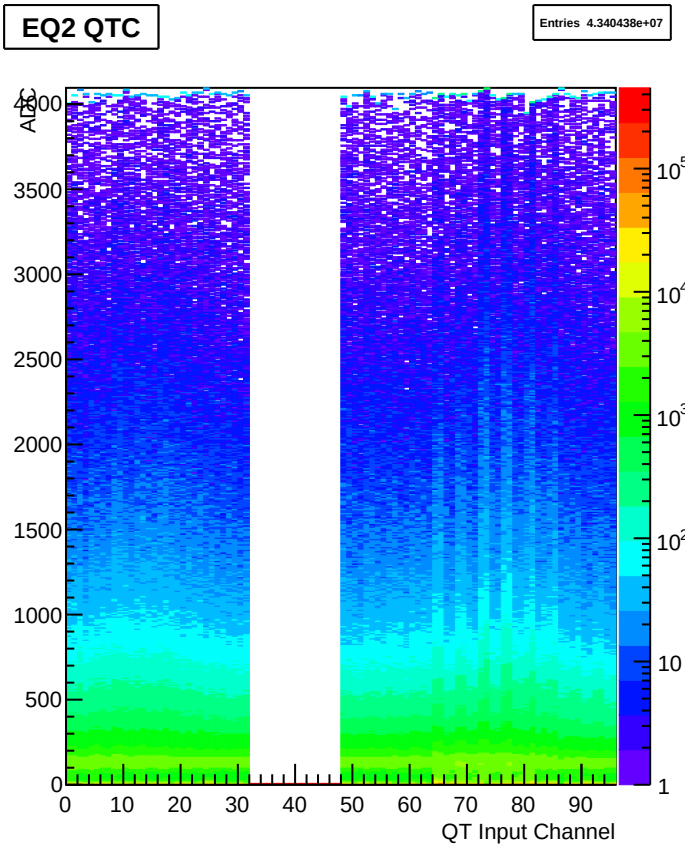

EQ1 QTB
Entries 4.585713e+07
TDC
QT Input Channel

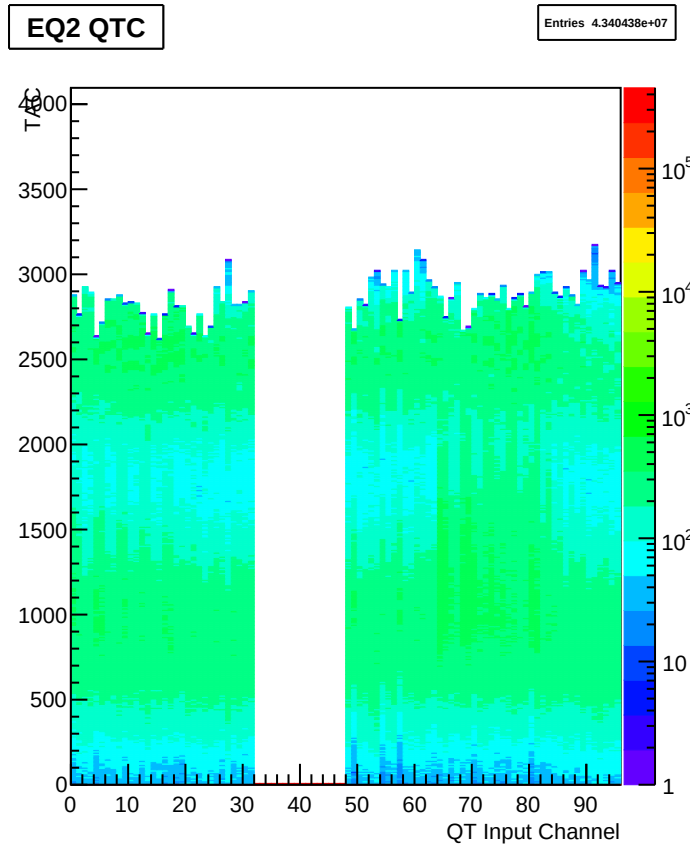

EQ1 QTC
Entries 4.340438e+07
ADC
QT Input Channel

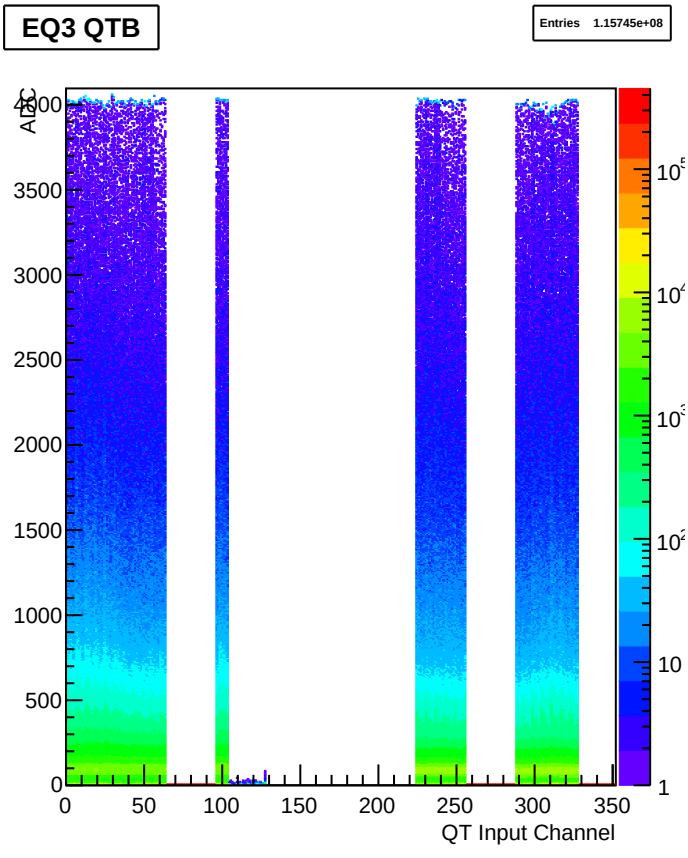

EQ1 QTC
Entries 4.340438e+07
TADC
QT Input Channel

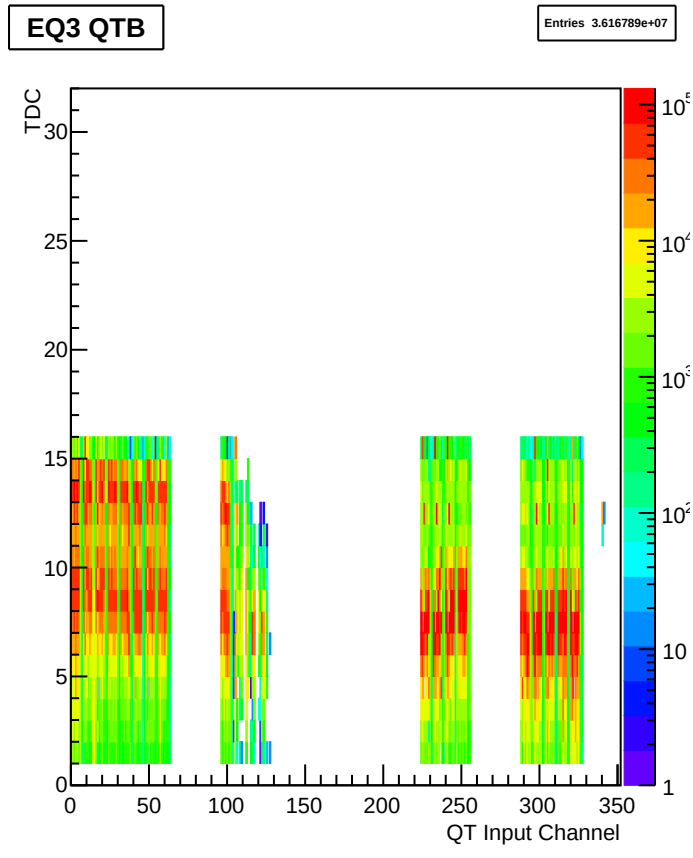

EQ2 QTB
Entries 1.302132e+08
ADC
QT Input Channel

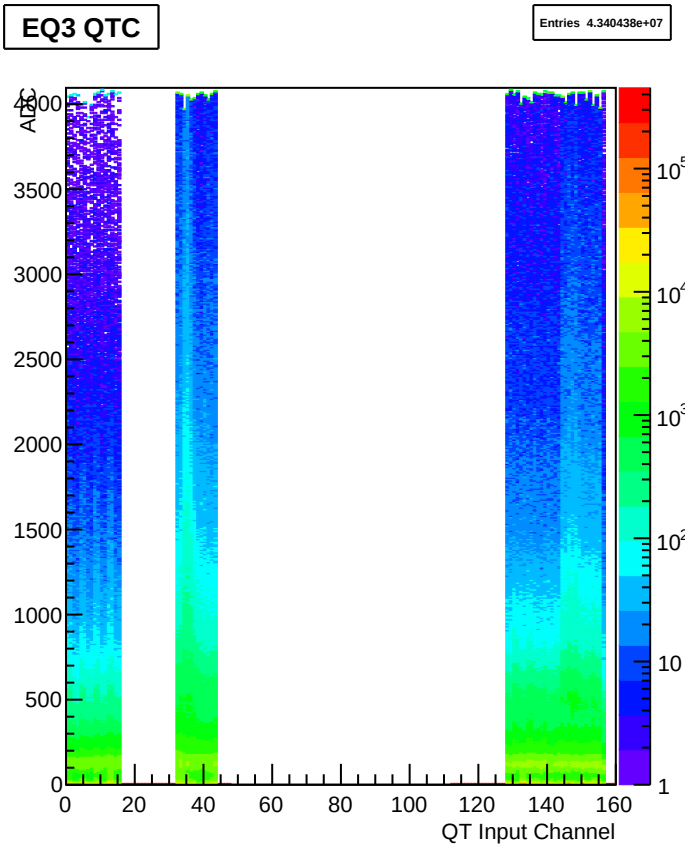

EQ2 QTB
Entries 4.413874e+07
TDC
QT Input Channel

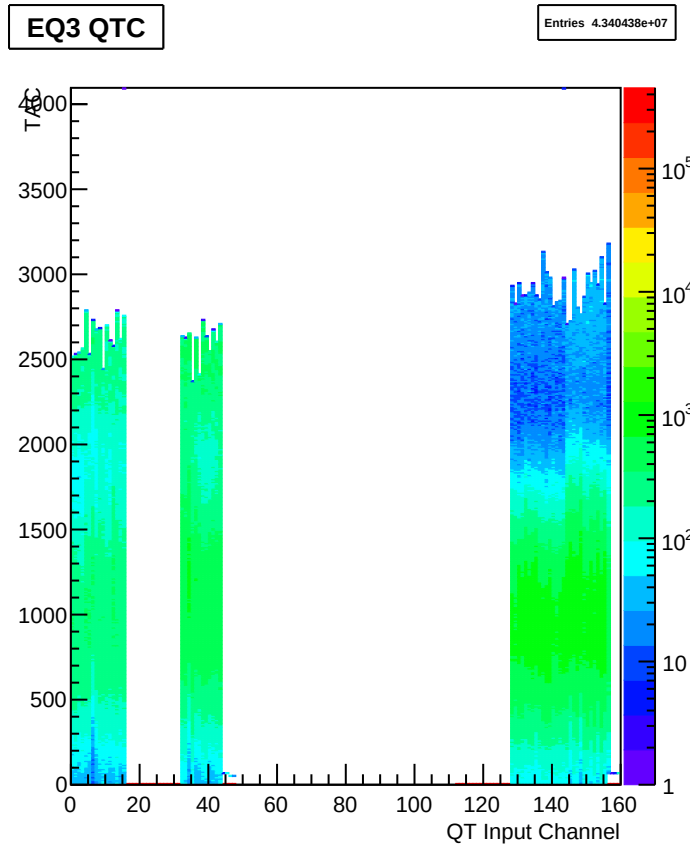

EQ2 QTC
Entries 4.340438e+07
ADC
QT Input Channel

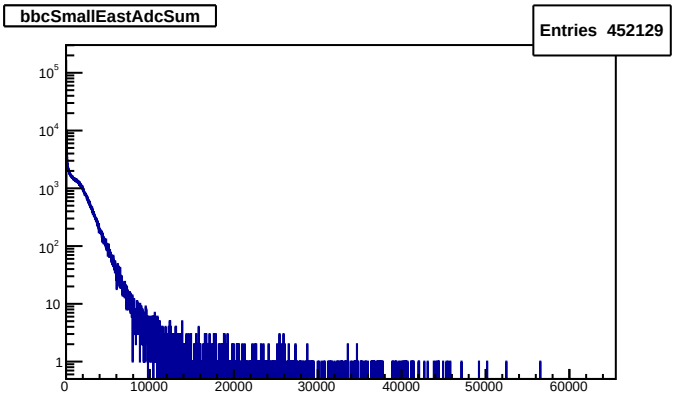

EQ2 QTC
Entries 4.340438e+07
TADC
QT Input Channel

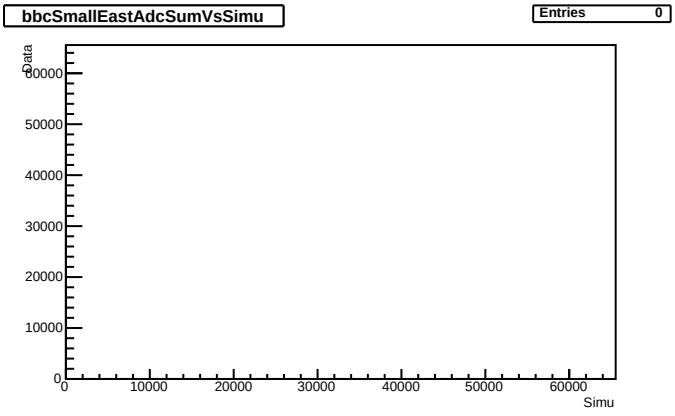

EQ3 QTB
Entries 1.15745e+08
ADC
QT Input Channel

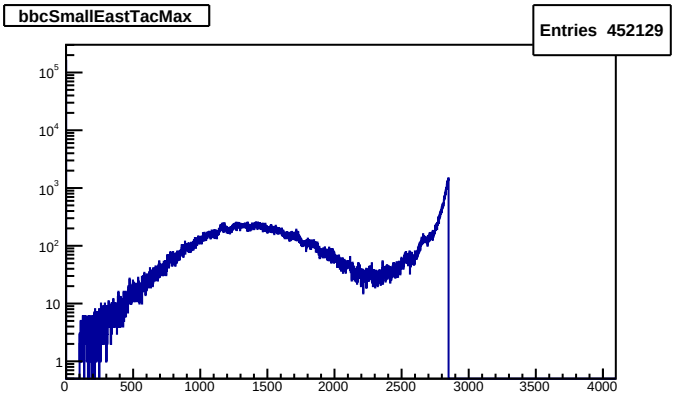

EQ3 QTB
Entries 3.616789e+07
TDC
QT Input Channel

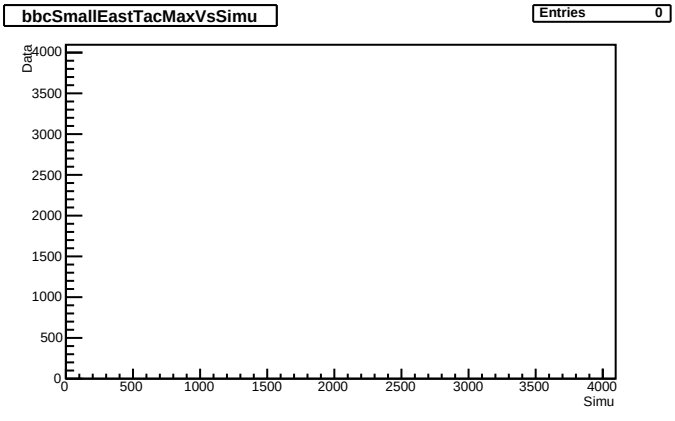

EQ3 QTC
Entries 4.340438e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.340438e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 452129


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 452129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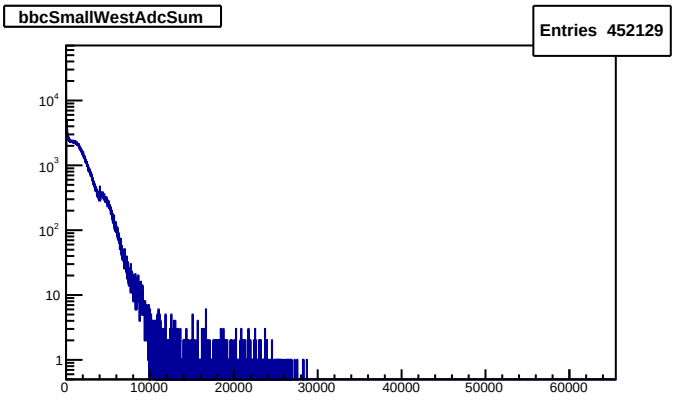
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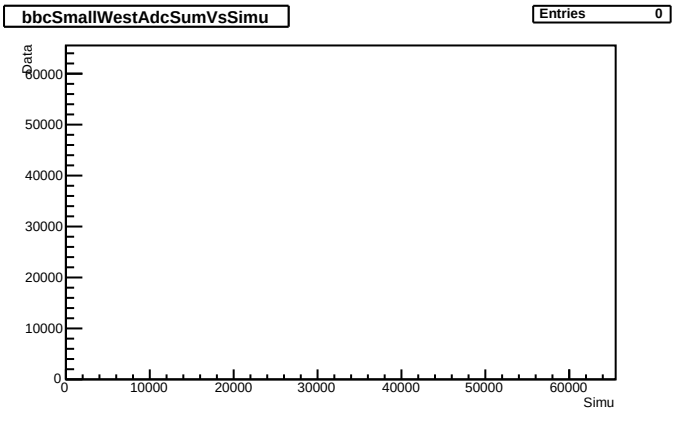
Entries 452129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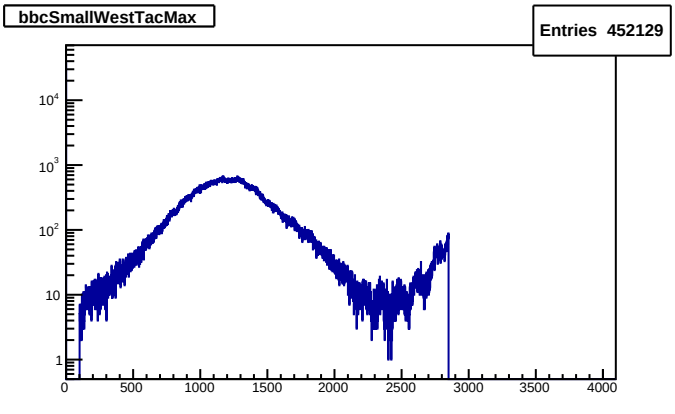
Simu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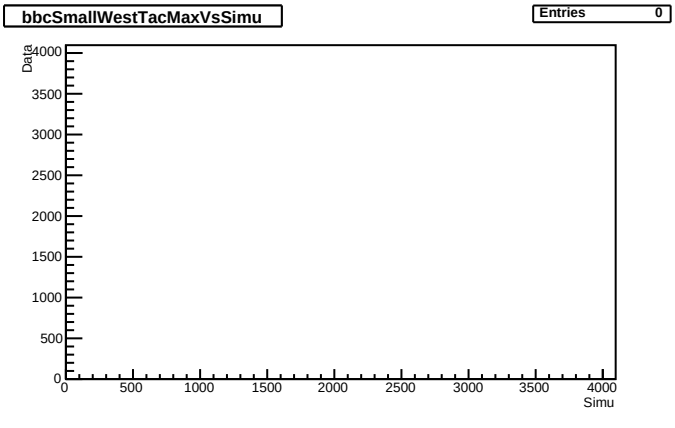
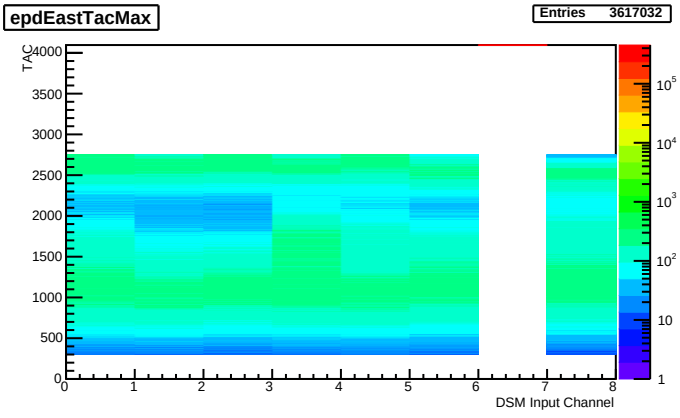
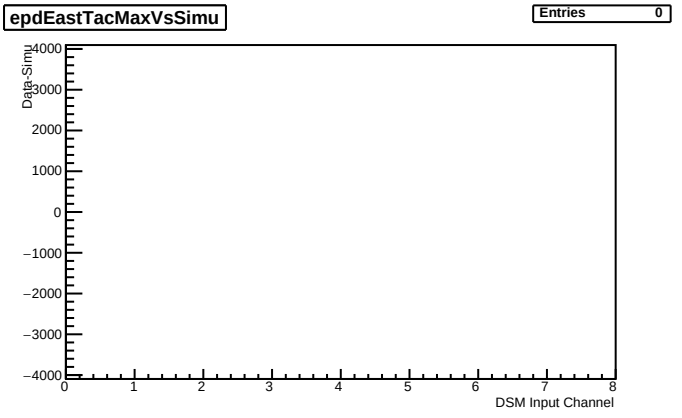
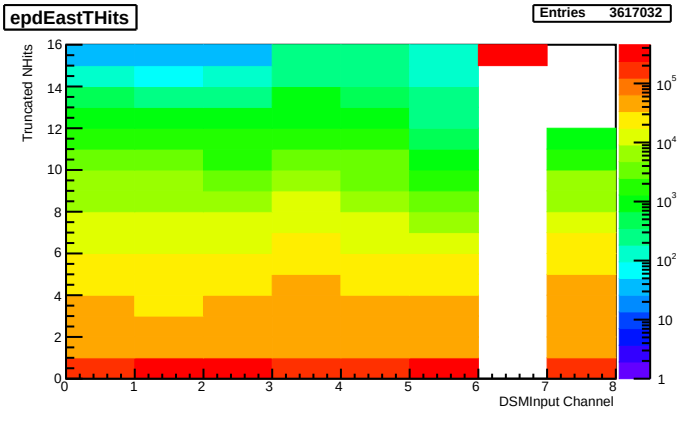
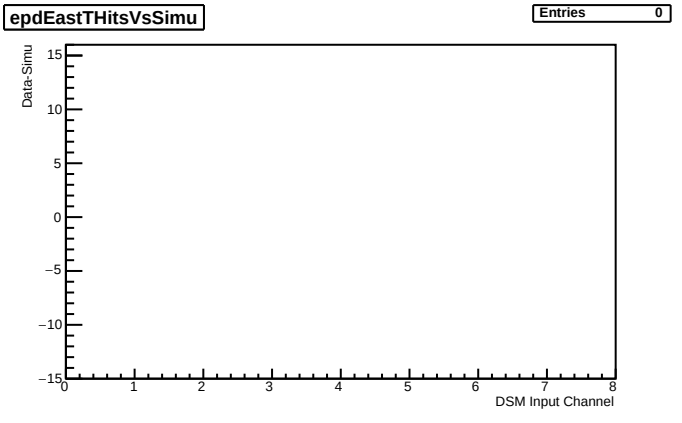
Entries 452129


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3617032
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3617032
Truncated NHits
DSMInput Channel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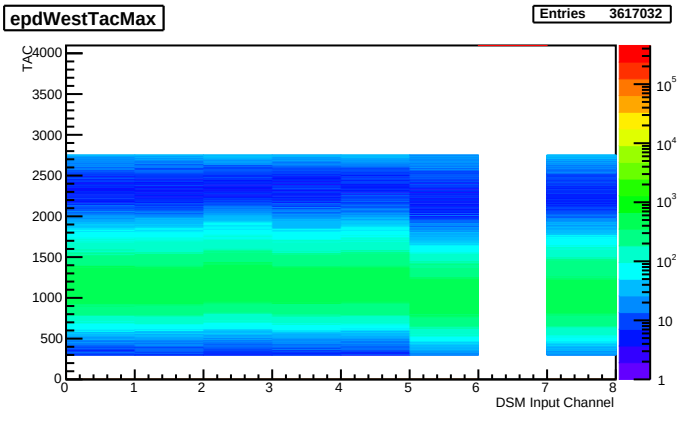
Data-Simu
DSM Input Channel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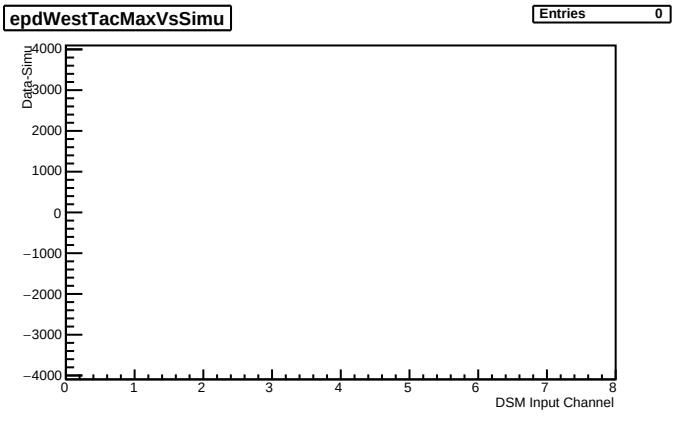
Entries 3617032
TAC
DSM Input Channel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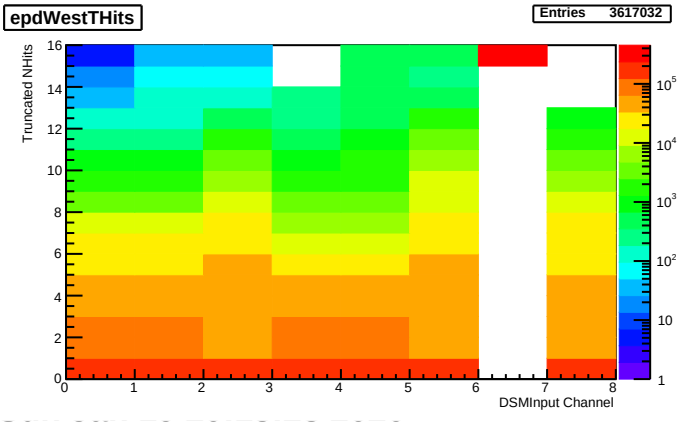
Entries 0
Data-Simu
DSM Input Channel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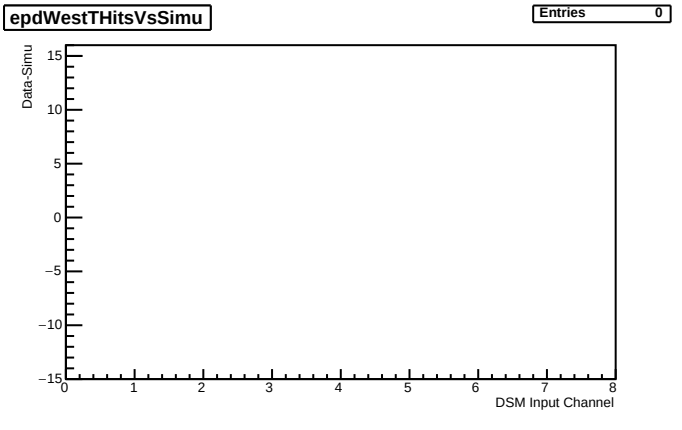
Entries 3617032
Truncated NHits
DSMInput Channel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Entries 0
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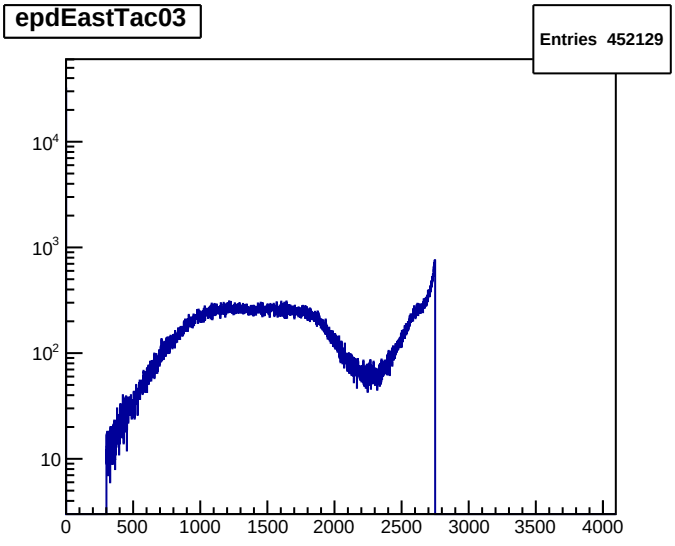
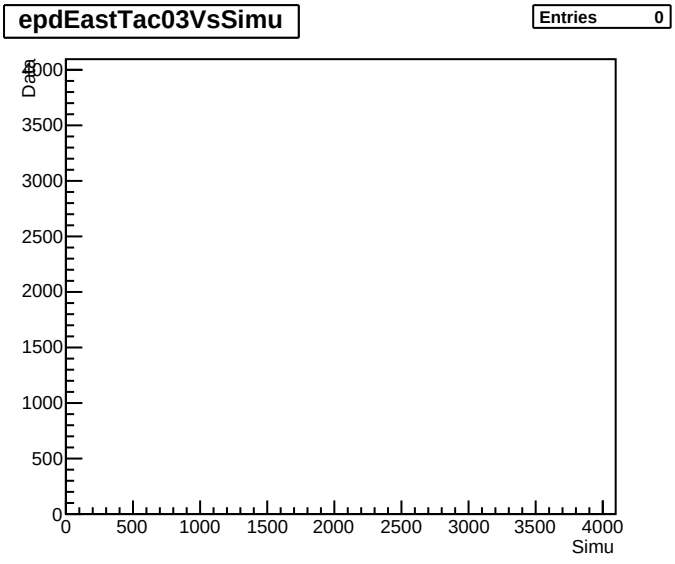
DSM Input Channel


epdEastTac03
Entries 452129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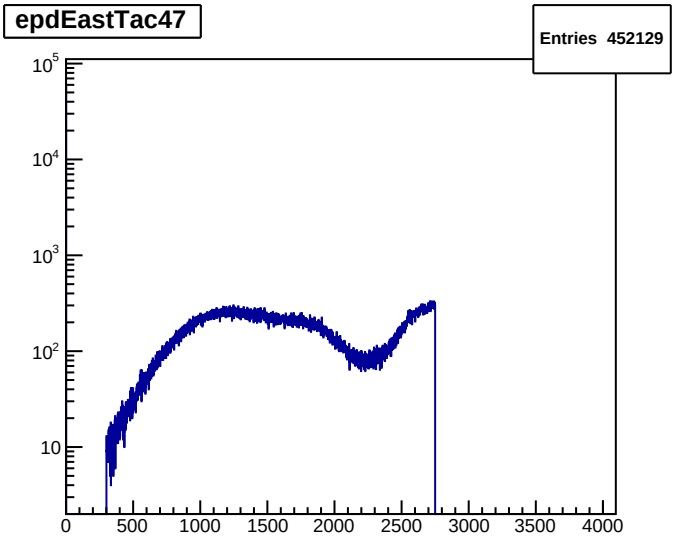
Entries 0
Data
Simu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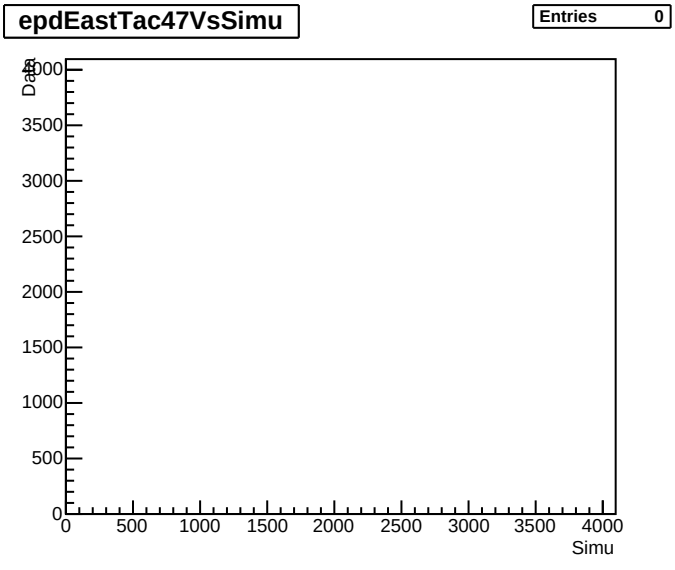
Entries 452129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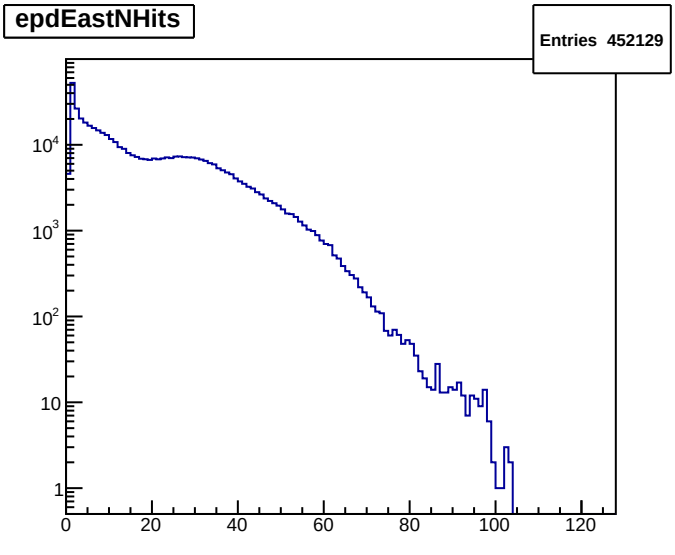
Entries 0
Data
Simu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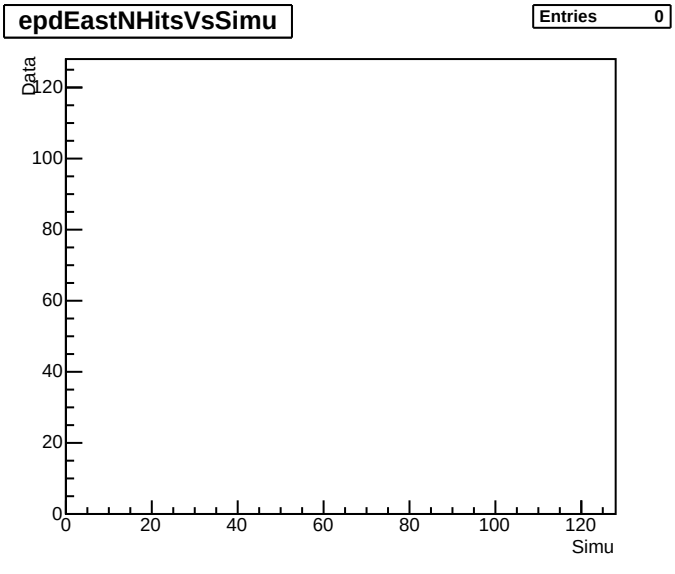
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Entries 0
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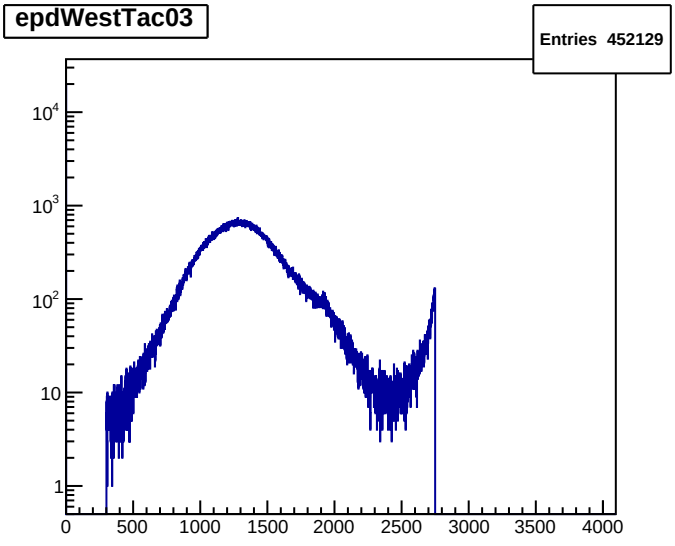
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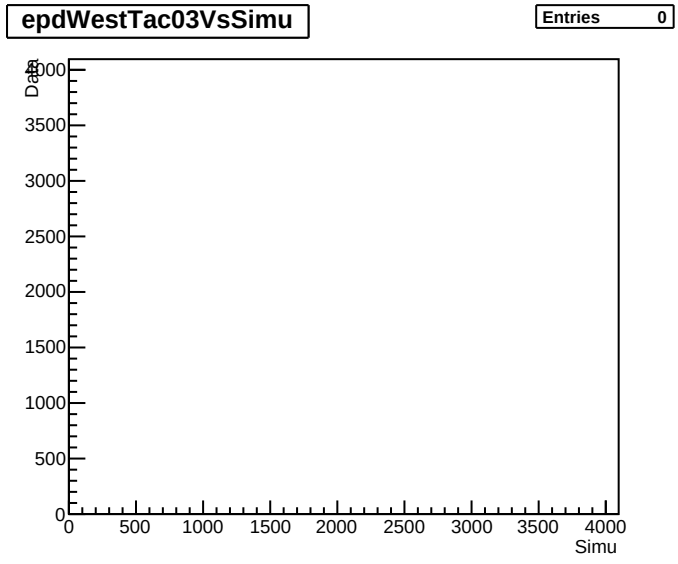
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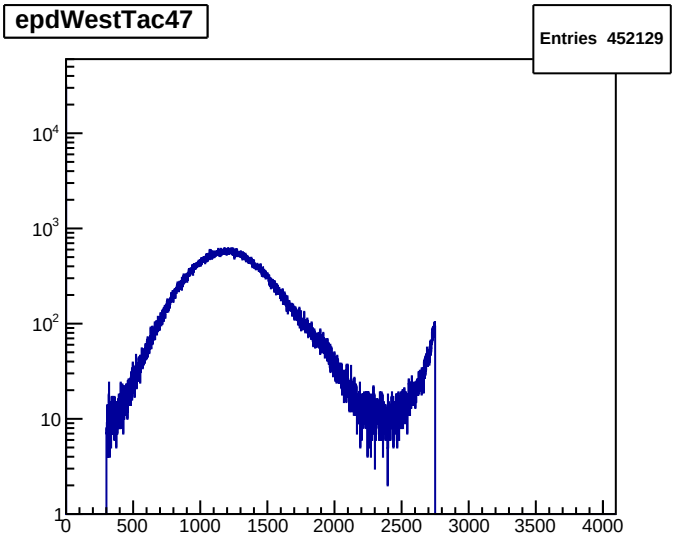
Entries 0
Data
Simu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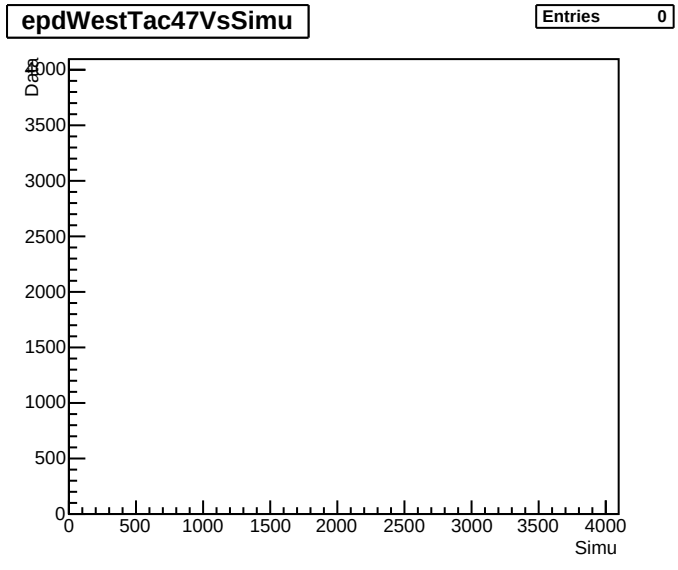
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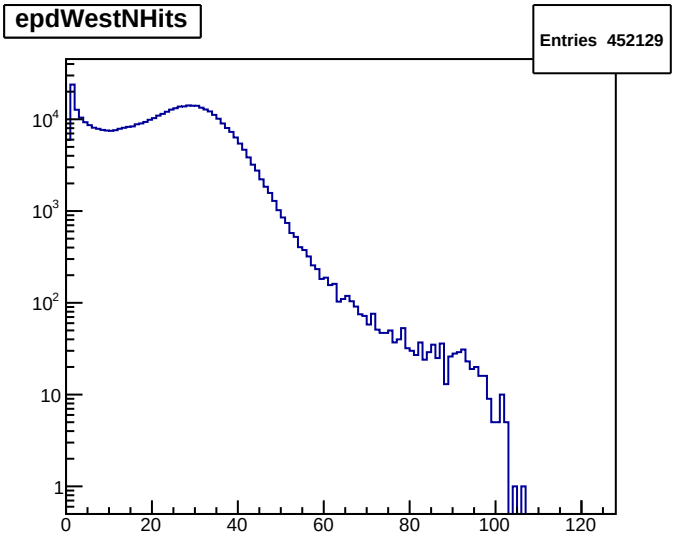
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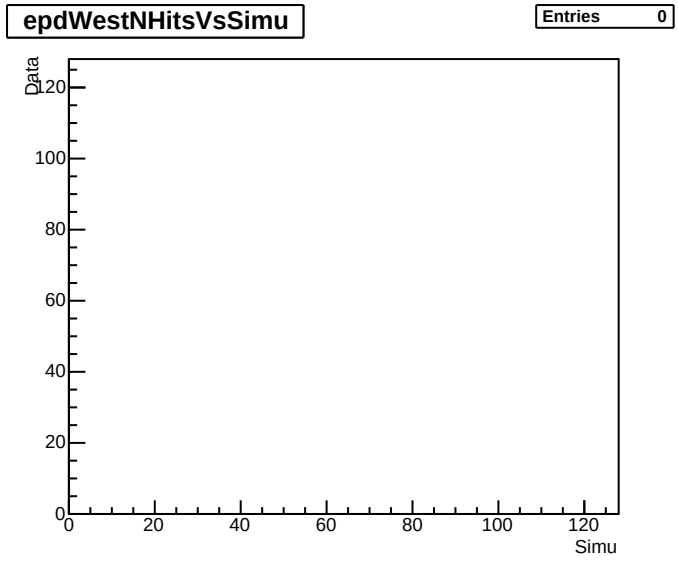
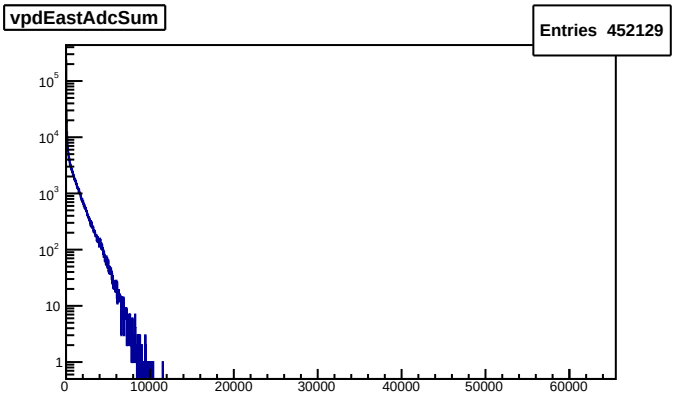
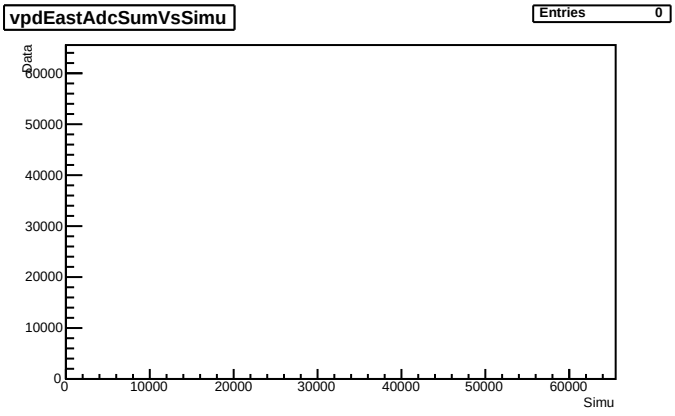
Entries 452129


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 452129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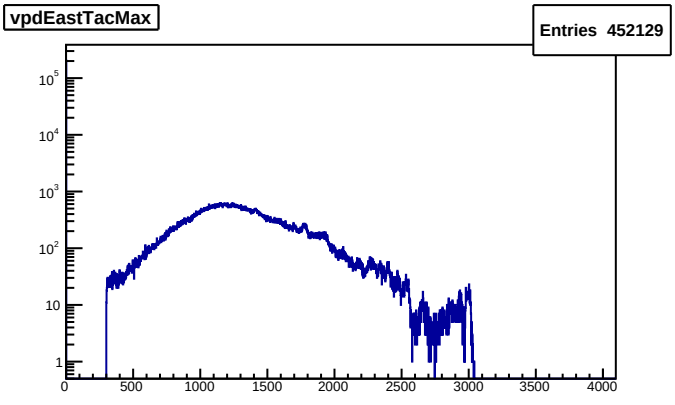
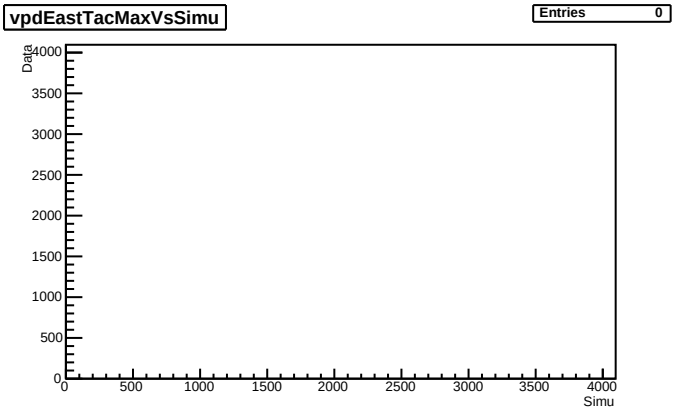
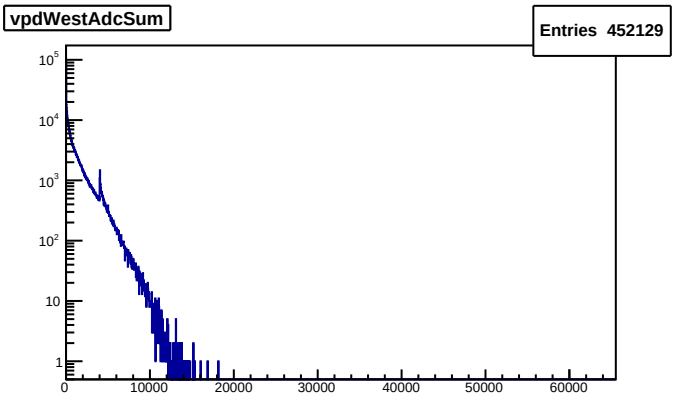
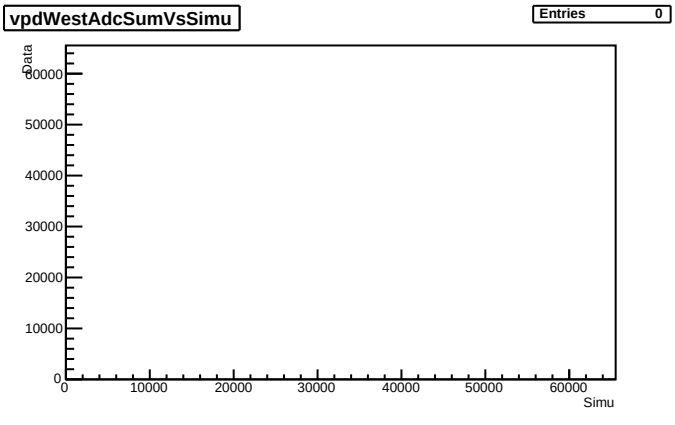
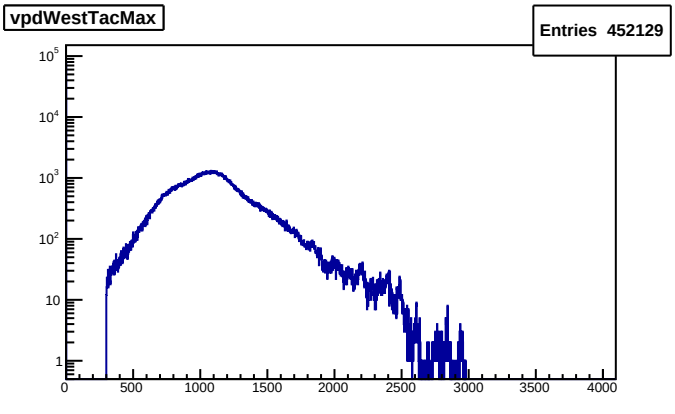
Entries 0
Data
Simu

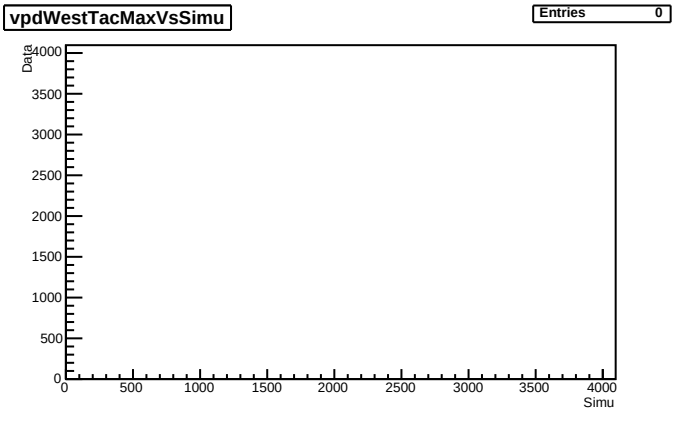

vpdEastTacMax
Entries 452129

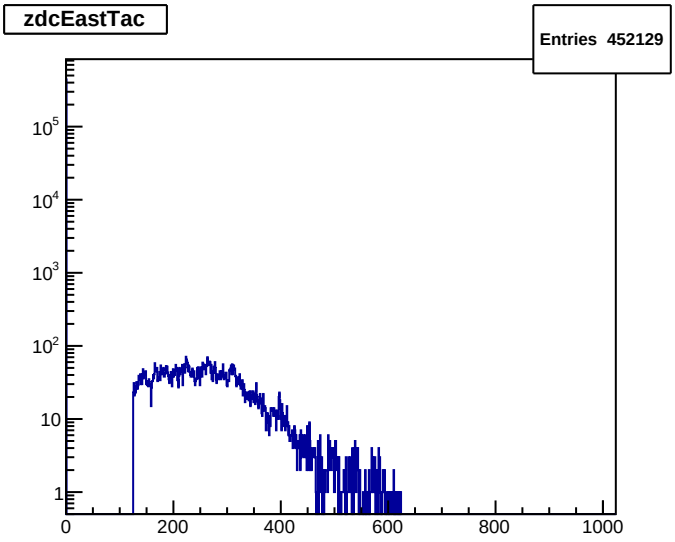

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

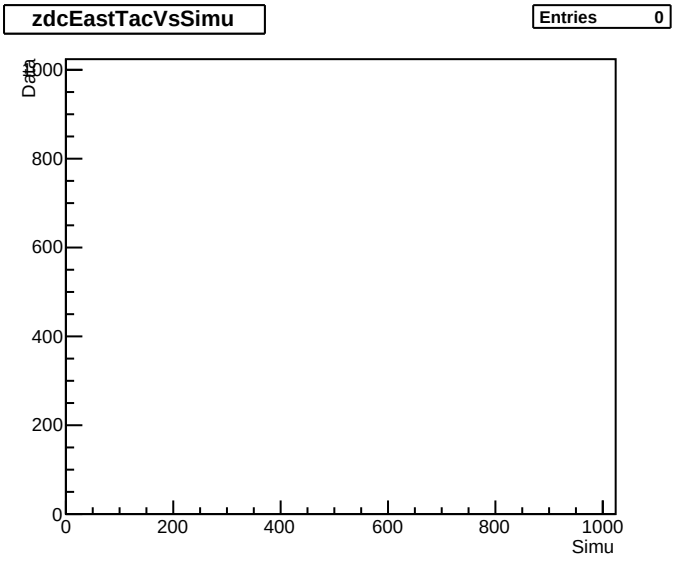

vpdWestAdcSum
Entries 452129

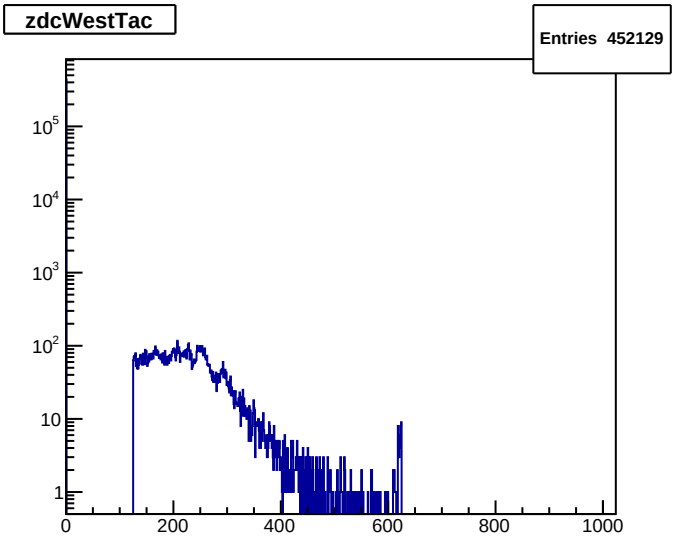

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

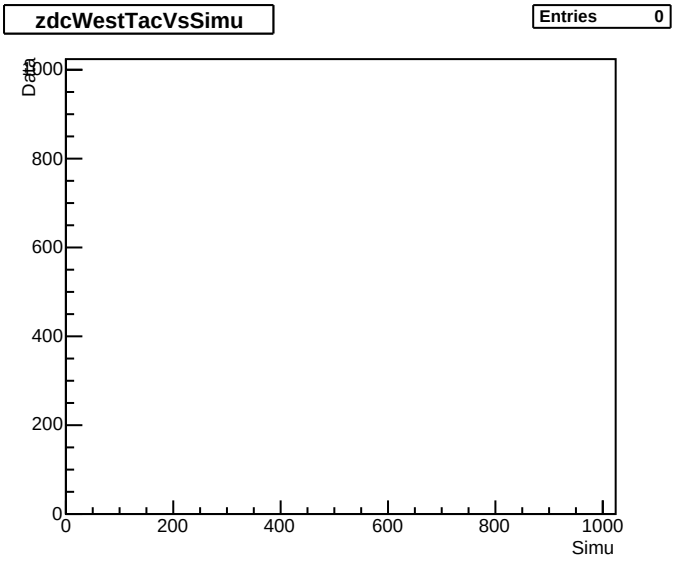

vpdWestTacMax
Entries 452129

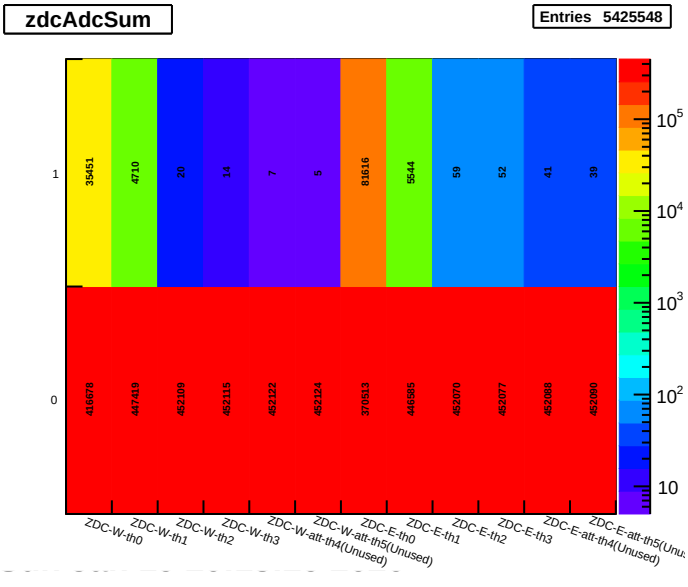

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

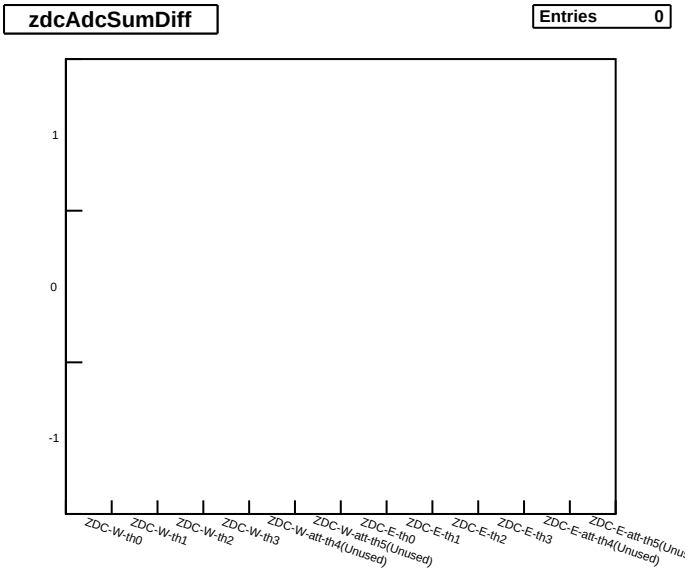

zdcEastTac
Entries 452129


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 452129


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 5425548
35451
4710
20
14
7
5
81616
5544
59
52
41
39
416678
447419
452109
452115
452122
452124
370513
446585
452070
452077
452088
452080
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
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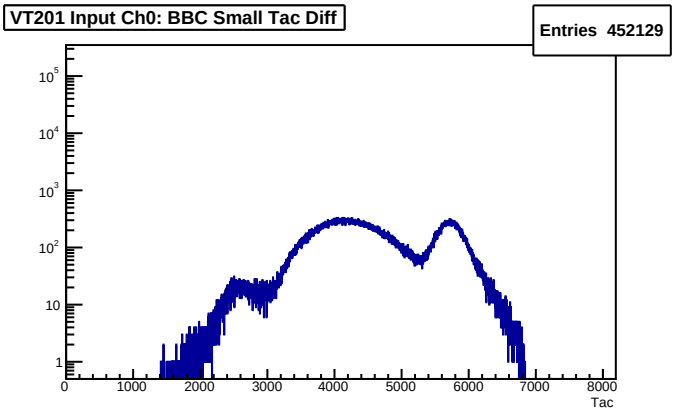
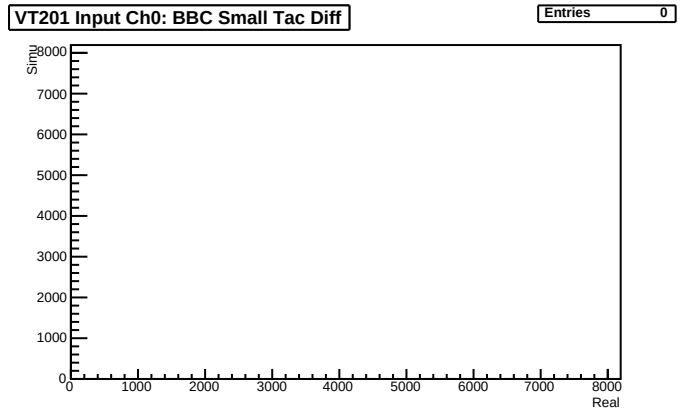
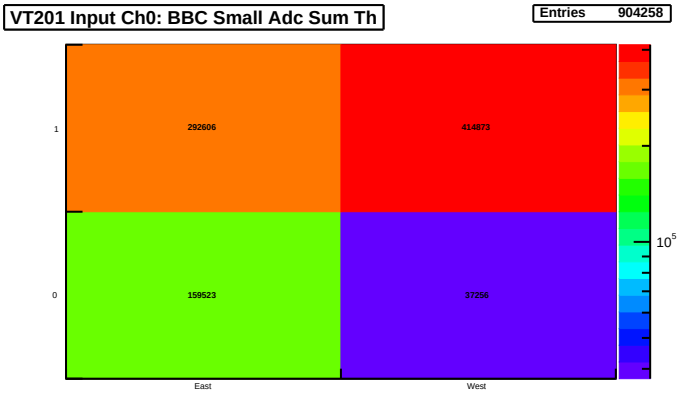
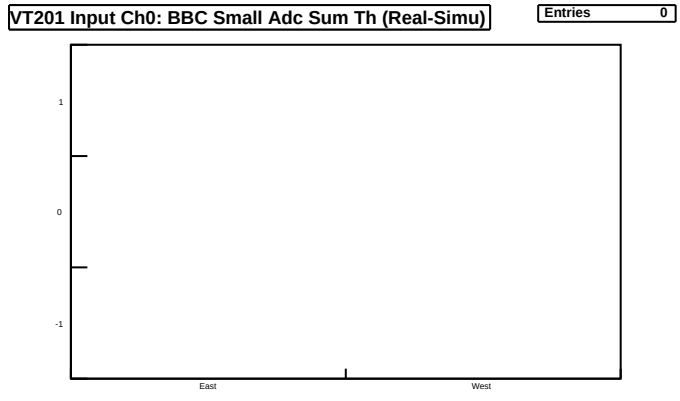
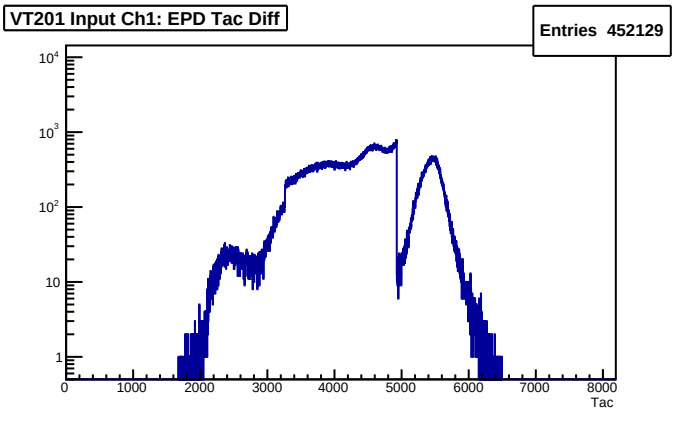
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

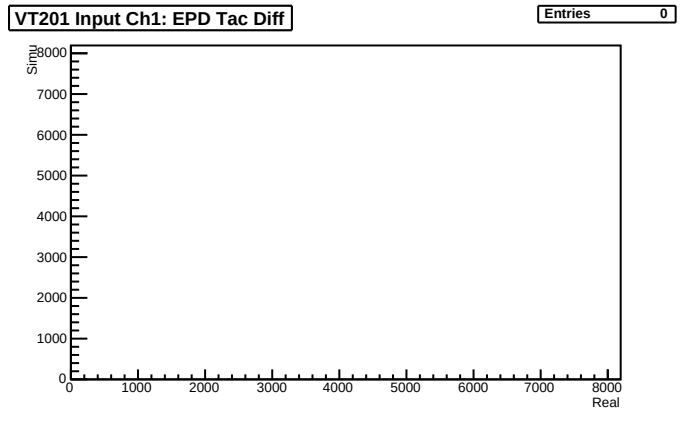

VT201 Input Ch0: BBC Small Tac Diff
Entries 452129
Tac

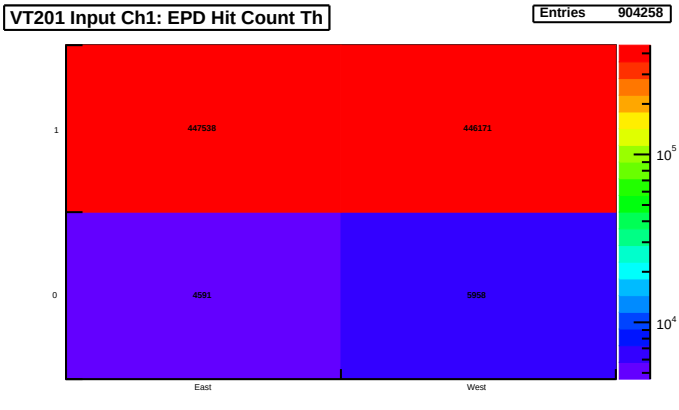

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

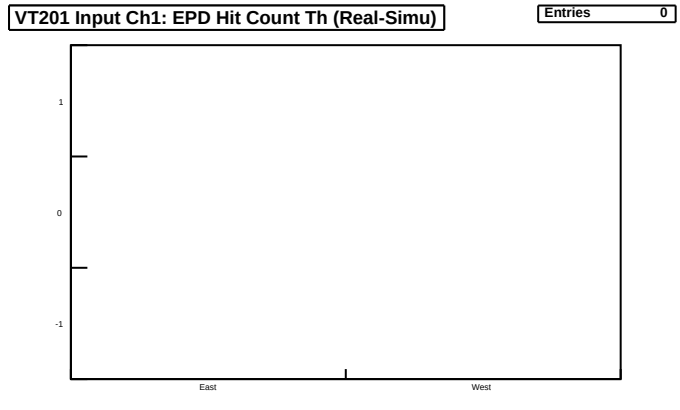

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 904258
292606
414873
159523
37256
East
West

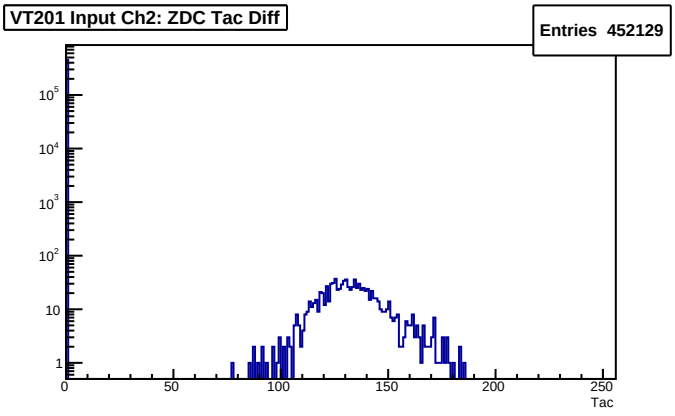

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

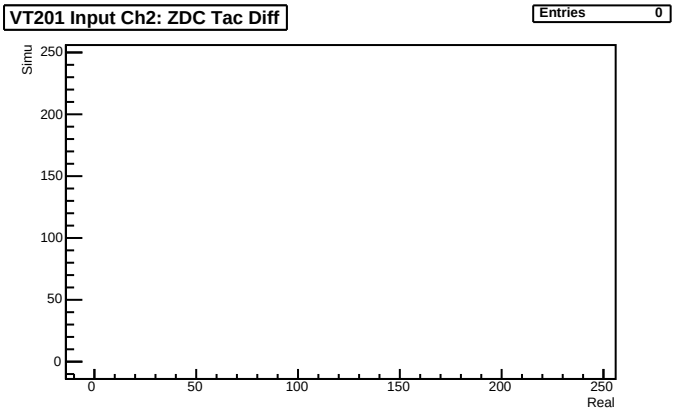

VT201 Input Ch1: EPD Tac Diff
Entries 452129
Tac

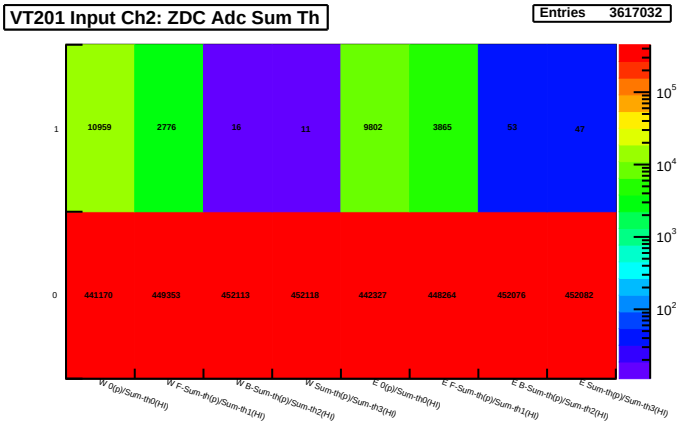

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

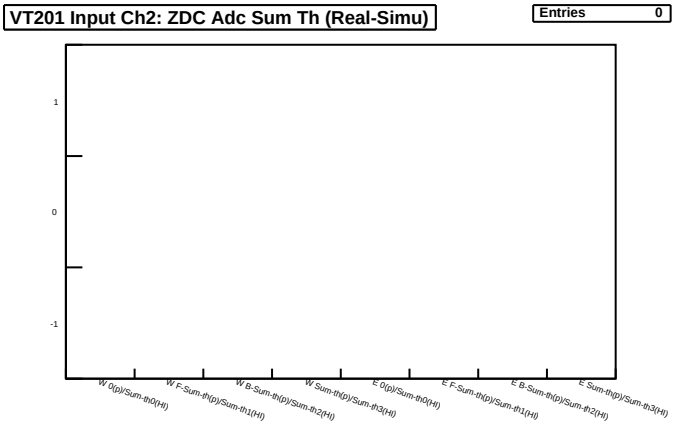

VT201 Input Ch1: EPD Hit Count Th
Entries 904258
447538
446171
4591
5958
East
West

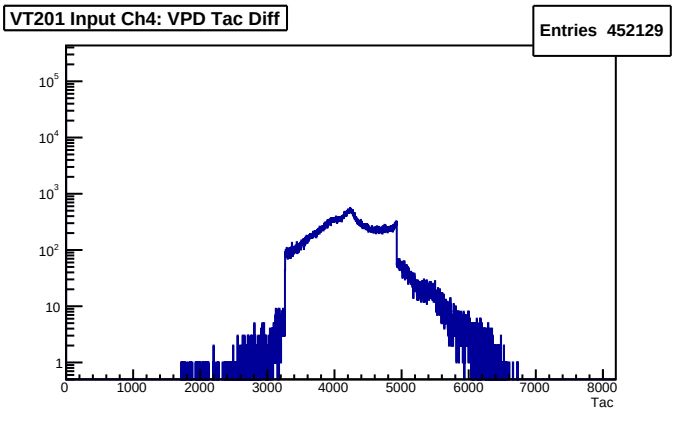

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

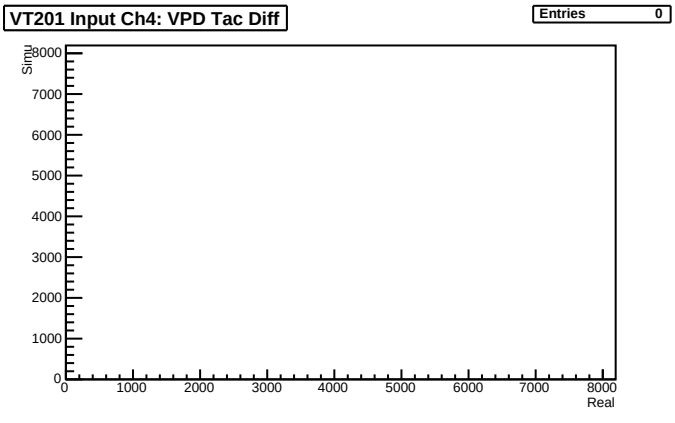

VT201 Input Ch2: ZDC Tac Diff
Entries 452129
Tac

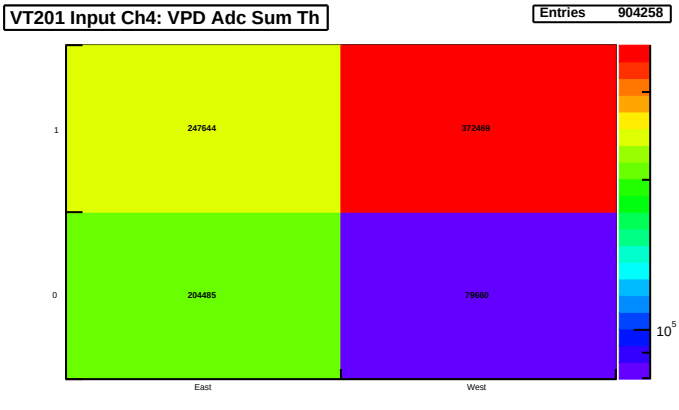

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

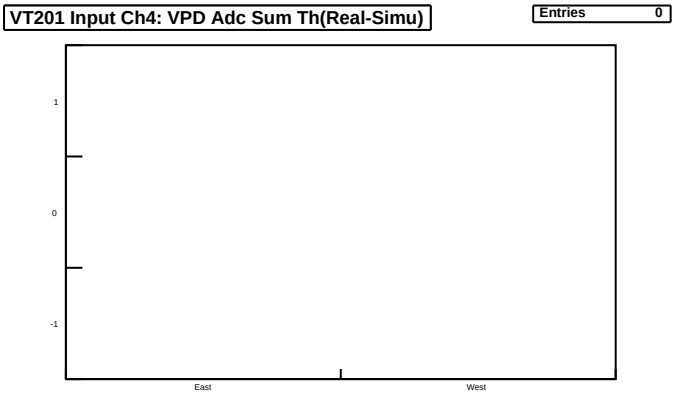

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3617032
10959
2776
16
11
9802
3865
53
47
441170
449353
452113
452118
442327
448264
452076
452082
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

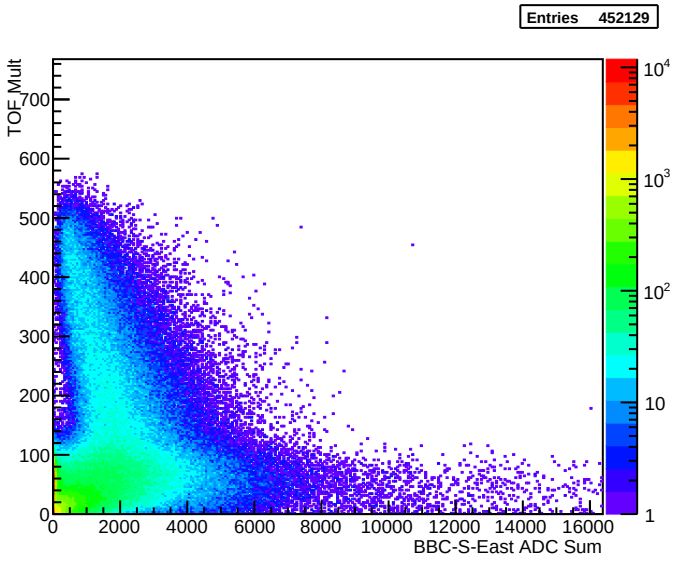

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

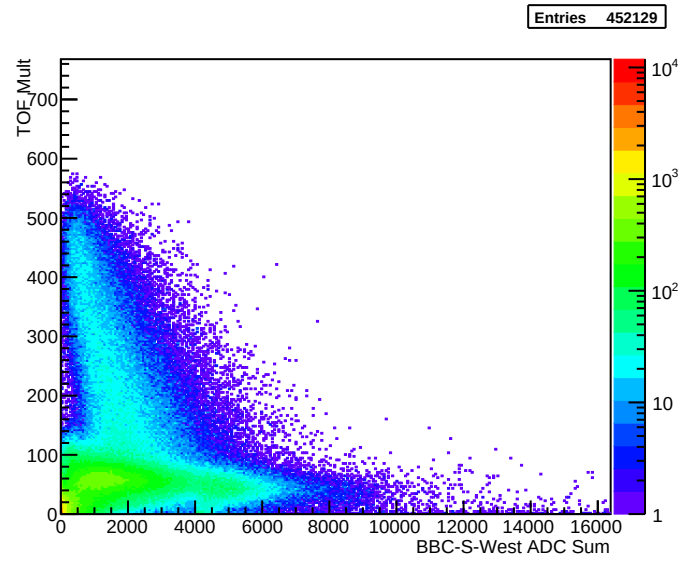

VT201 Input Ch4: VPD Tac Diff
Entries 452129
Tac

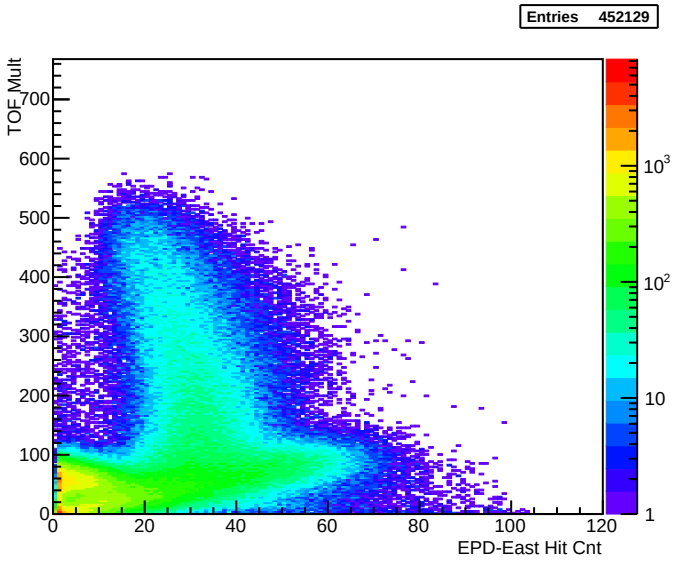

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

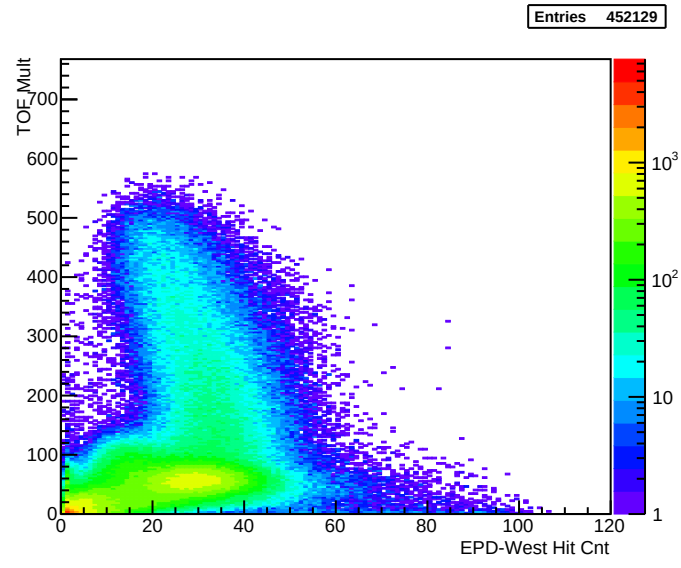

VT201 Input Ch4: VPD Adc Sum Th
Entries 904258
247644
372469
204485
79660
East
West

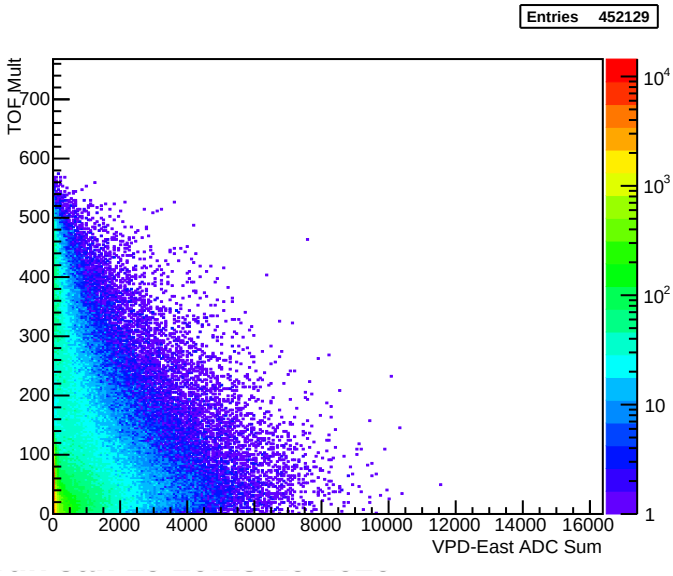

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

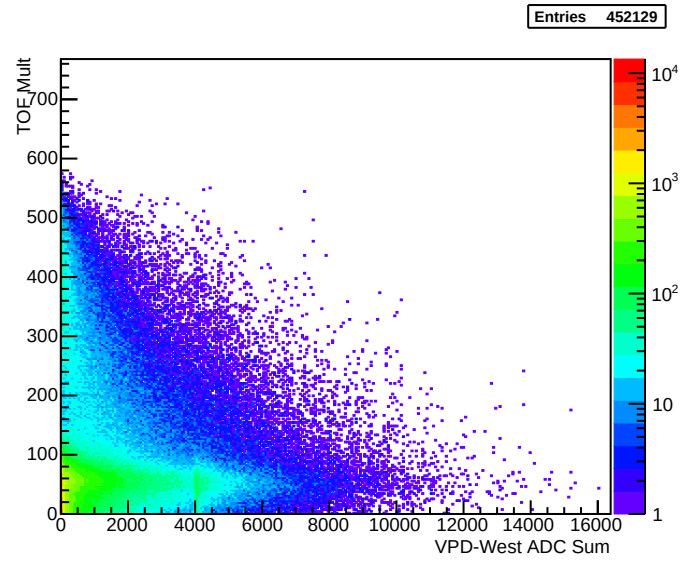

Entries 452129
TOF_Mult
BBC-S-East ADC Sum

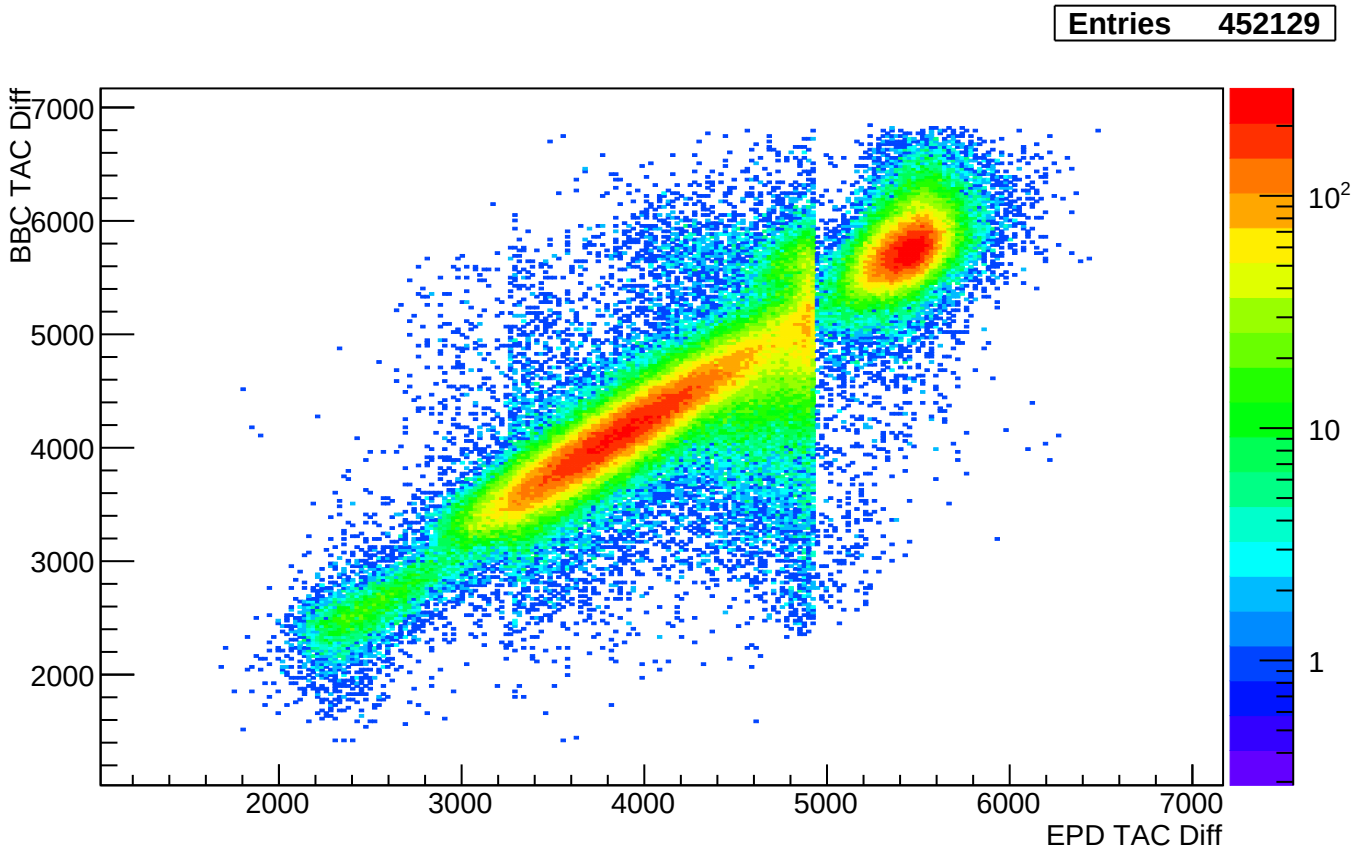

Entries 452129
TOF_Mult
BBC-S-West ADC Sum

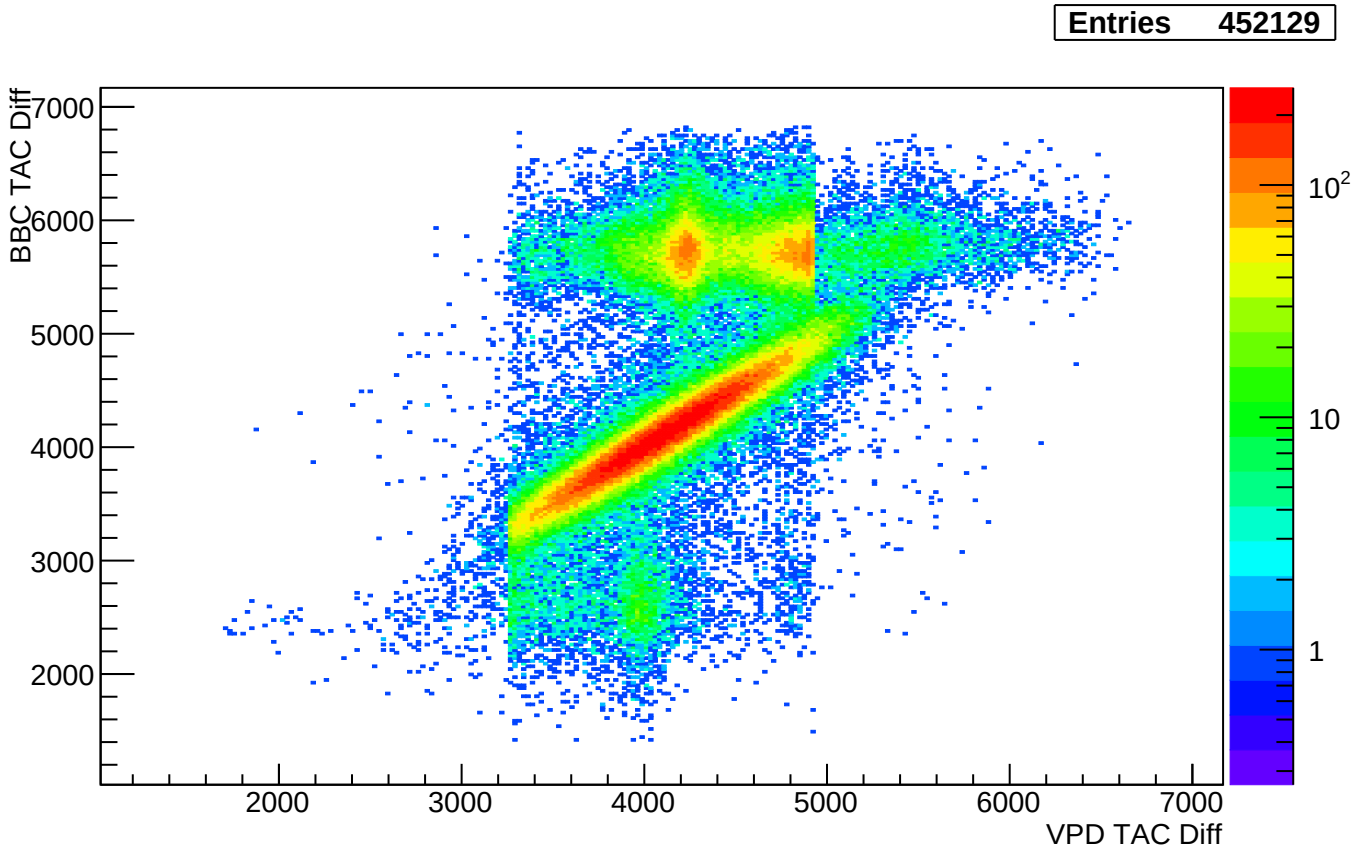

Entries 452129
TOF_Mult
EPD-East Hit Cnt

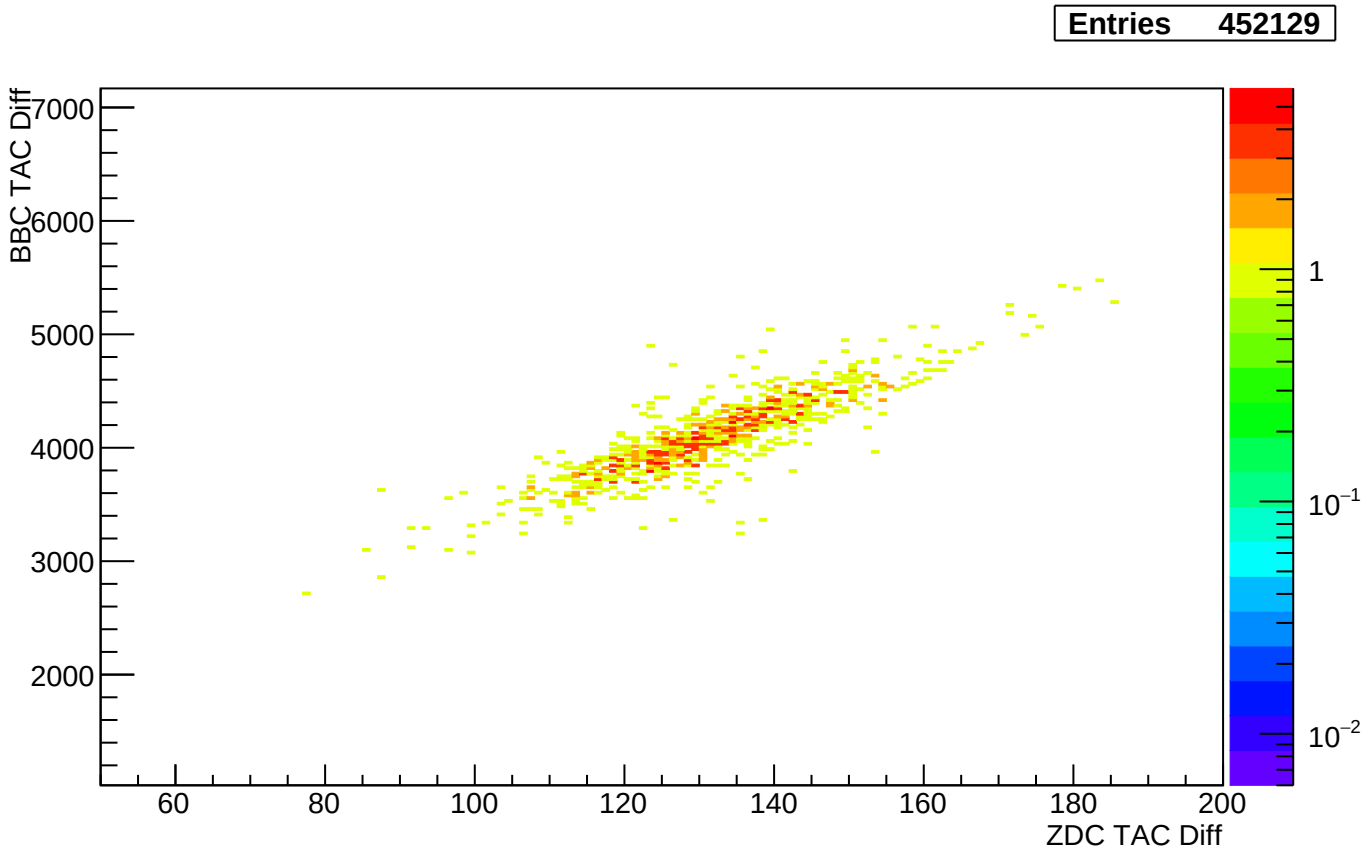

Entries 452129
TOF_Mult
EPD-West Hit Cnt

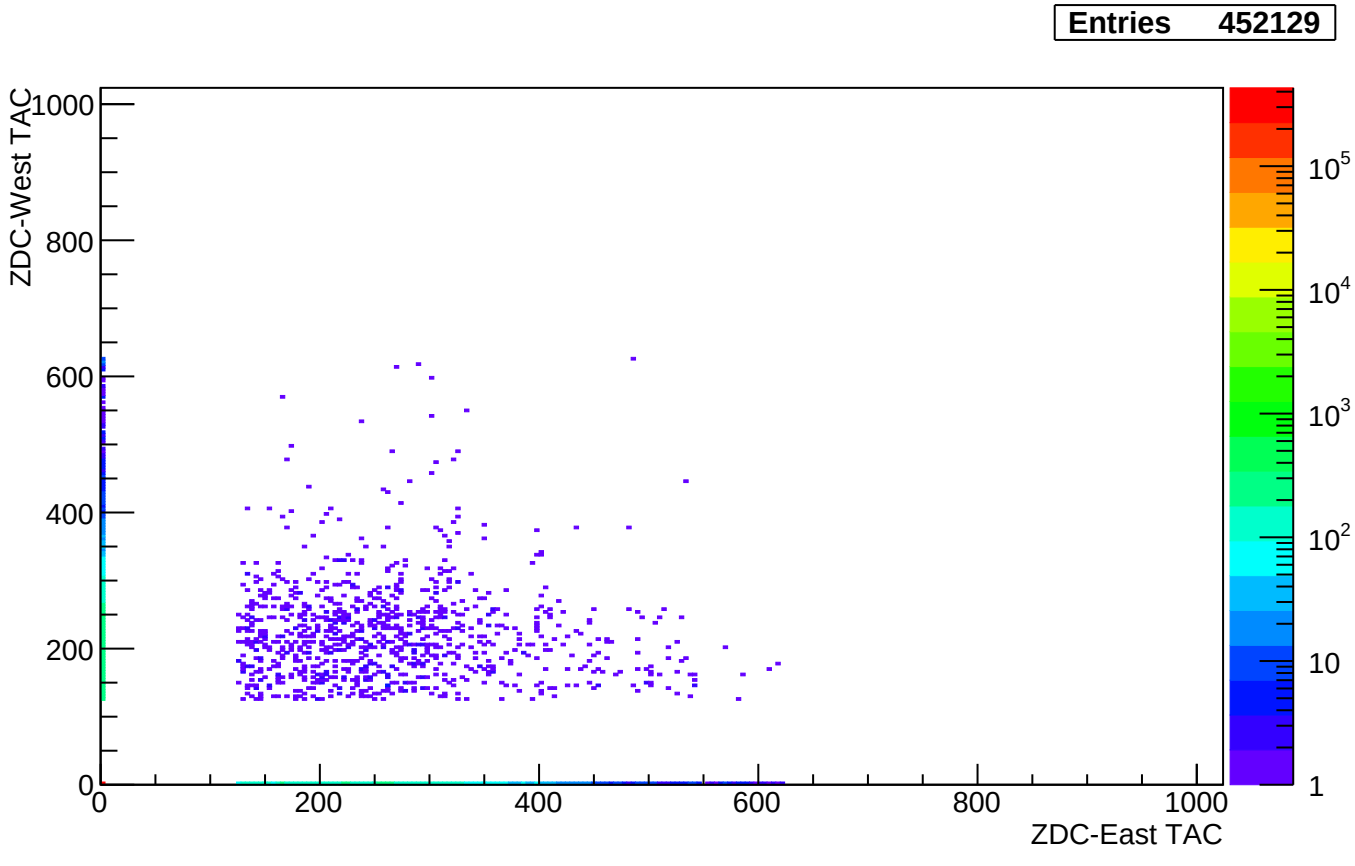

Entries 452129
TOF_Mult
VPD-East ADC Sum

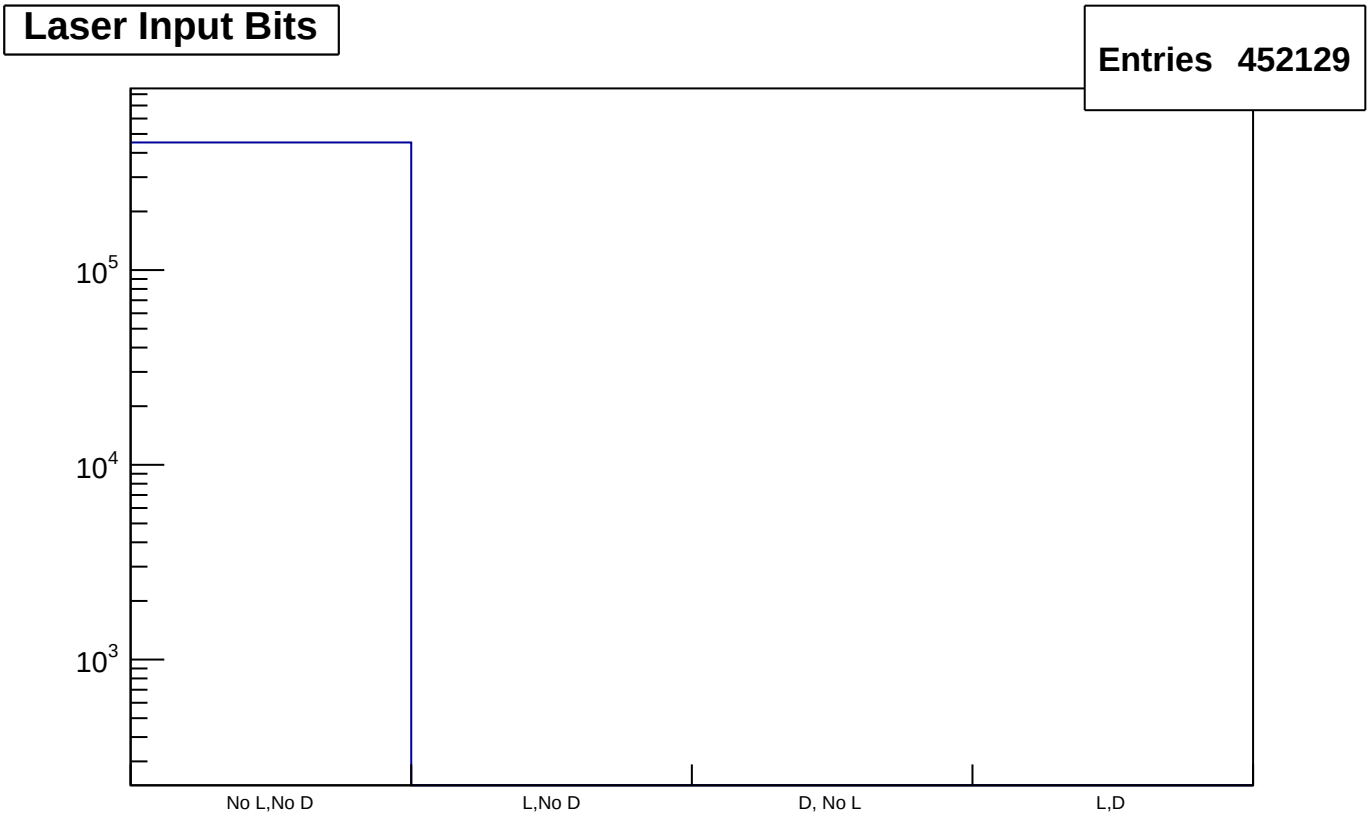

Entries 452129
TOF_Mult
VPD-West ADC Sum

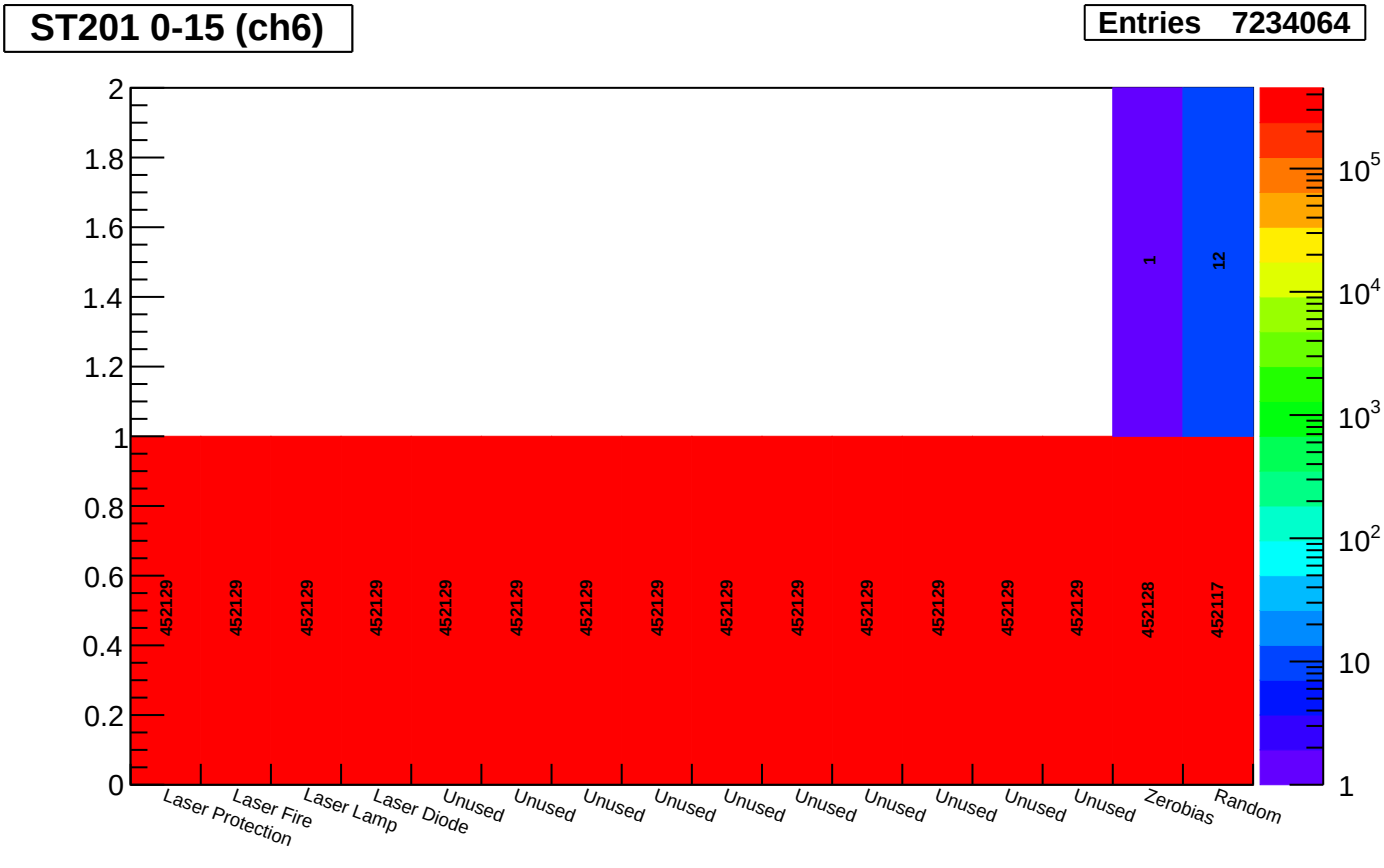

Entries 452129
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

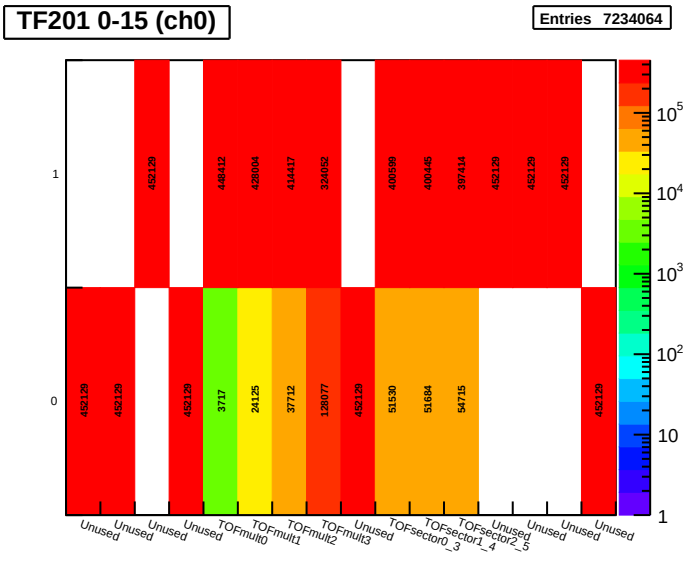

Entries 452129
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

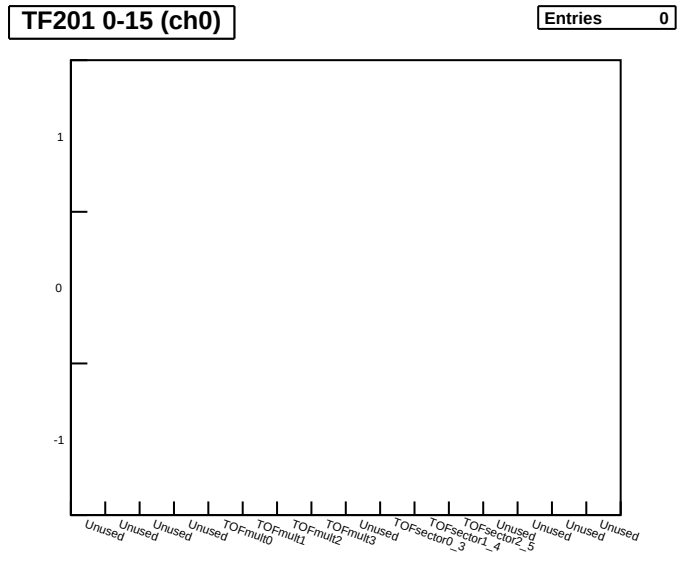

Entries 452129
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

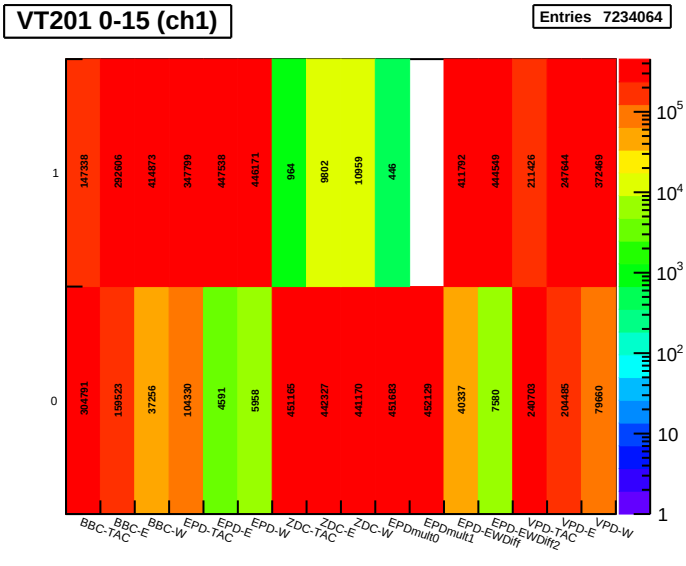

Entries 452129
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

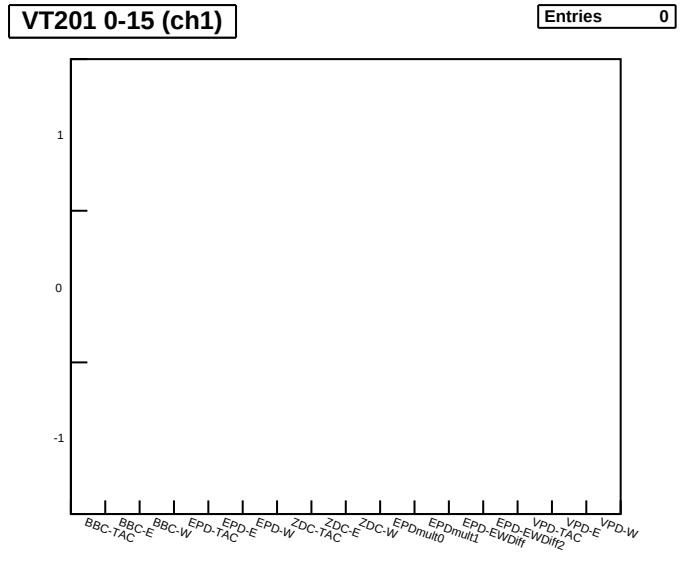

Laser Input Bits
Entries 452129
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

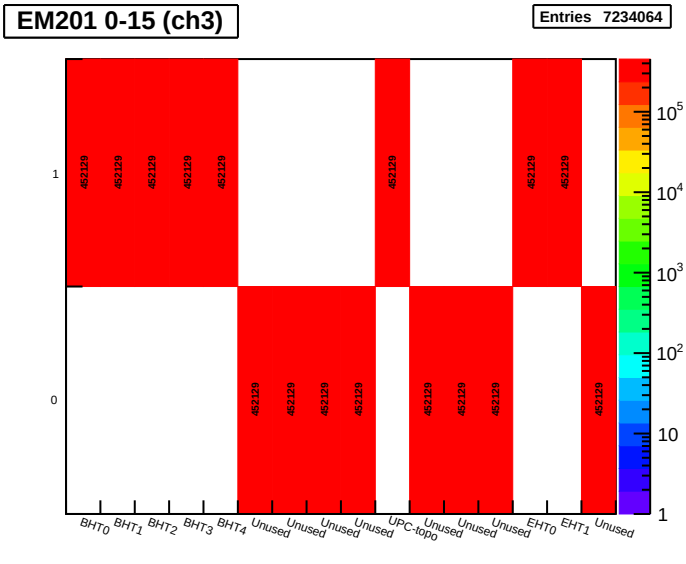

ST201 0-15 (ch6)
Entries 7234064
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
452129
452128
452117
1
12
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

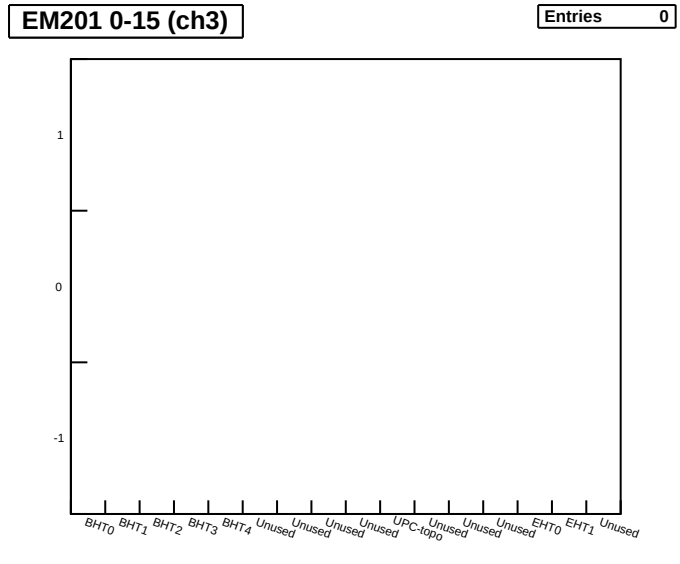

TF201 0-15 (ch0)
Entries 7234064
1
0
452129
448412
428804
414417
324052
400599
400445
397414
452129
452129
452129
452129
452129
3717
24125
37712
128077
452129
51530
51684
54715
452129
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
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 7234064
1
0
147338
292866
414873
347799
447538
446171
964
9802
10959
446
411792
444549
211426
247644
372469
304791
159523
37256
104330
4591
5958
451165
442327
441170
451683
452129
40337
7580
240703
204485
79660
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 7234064
1
0
452129
452129
452129
452129
452129
452129
452129
452129
452129
452129
452129
452129
452129
452129
452129
452129
452129
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