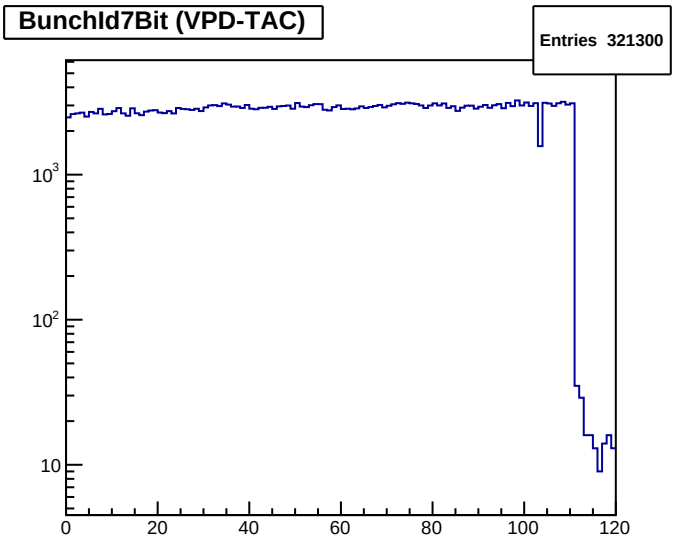
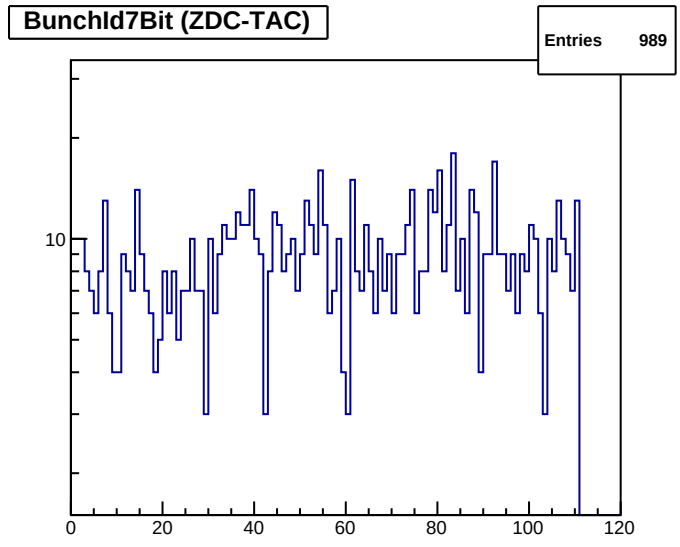
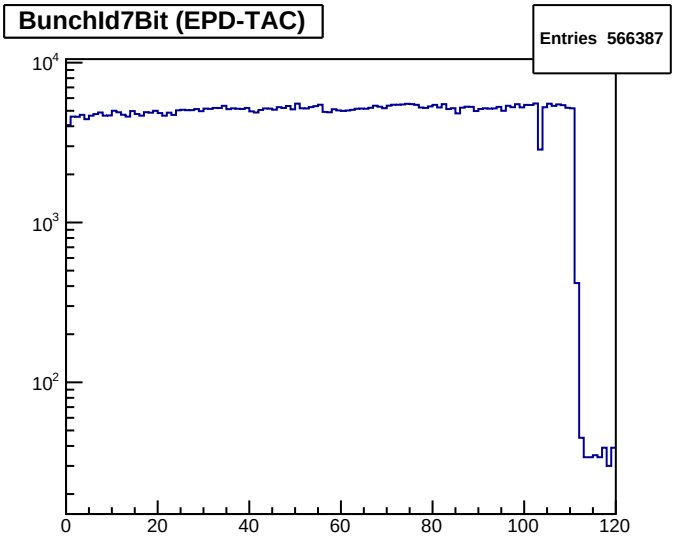
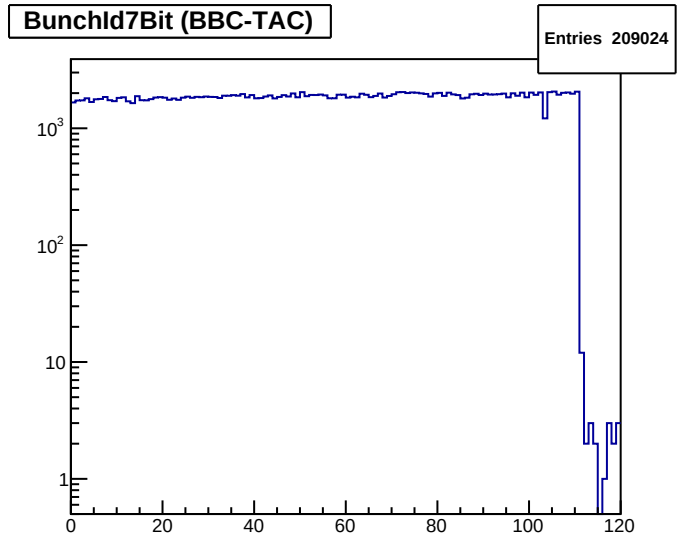
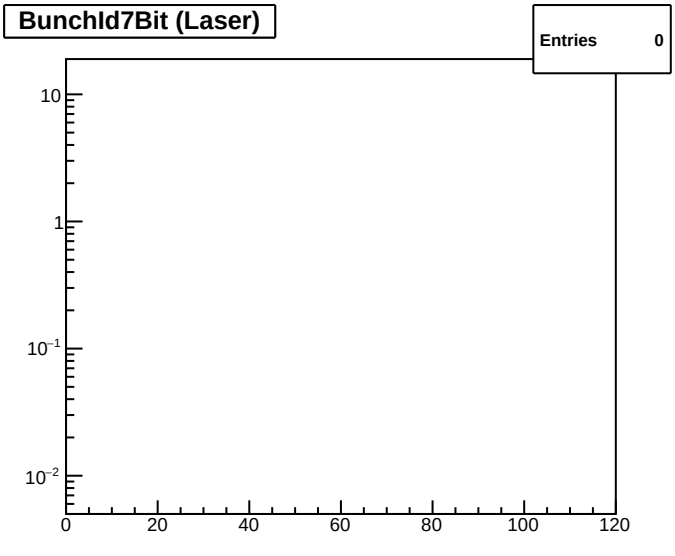
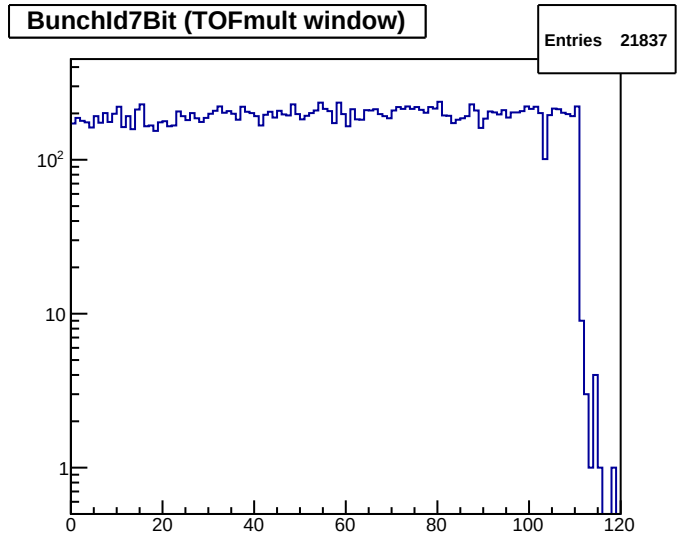

BunchId7Bit (VPD-TAC)
Entries 321300
10^3
10^2
10
0 20 40 60 80 100 120

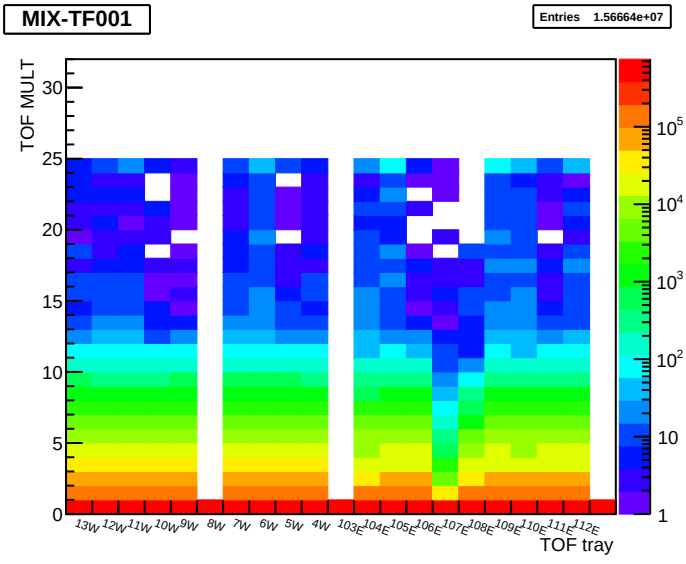

BunchId7Bit (ZDC-TAC)
Entries 989
10
0 20 40 60 80 100 120

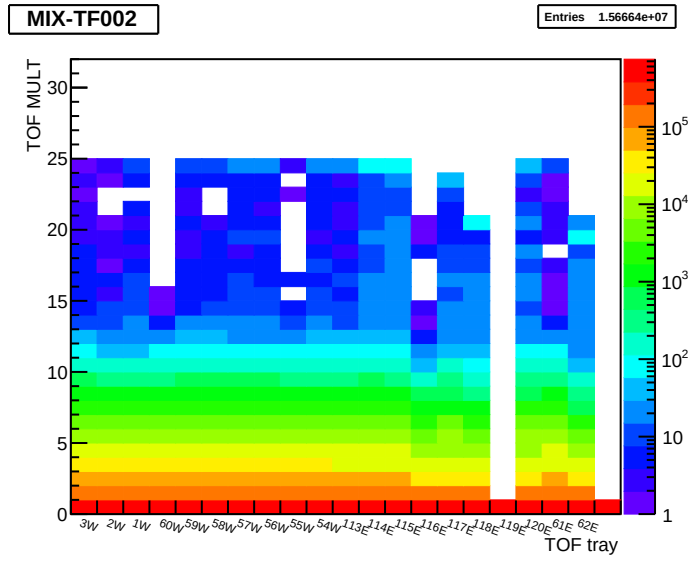

BunchId7Bit (EPD-TAC)
Entries 566387
10^4
10^3
10^2
0 20 40 60 80 100 120

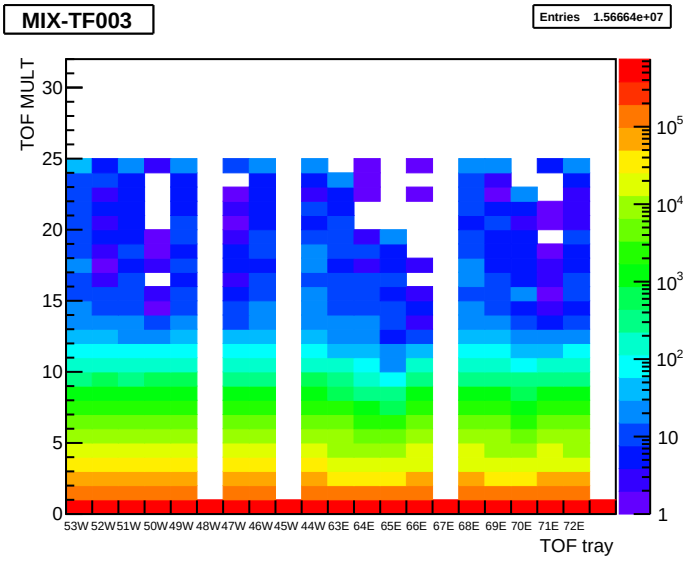

BunchId7Bit (BBC-TAC)
Entries 209024
10^3
10^2
10
1
0 20 40 60 80 100 120

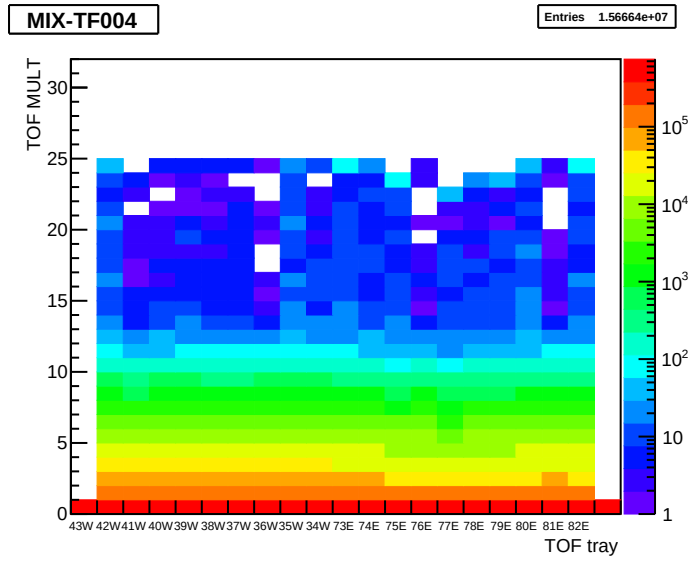

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

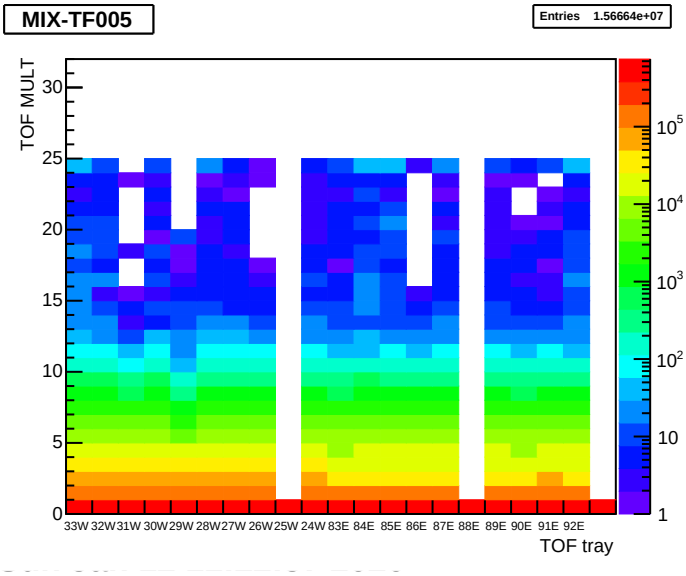

BunchId7Bit (TOFmult window)
Entries 21837
10^2
10
1
0 20 40 60 80 100 120

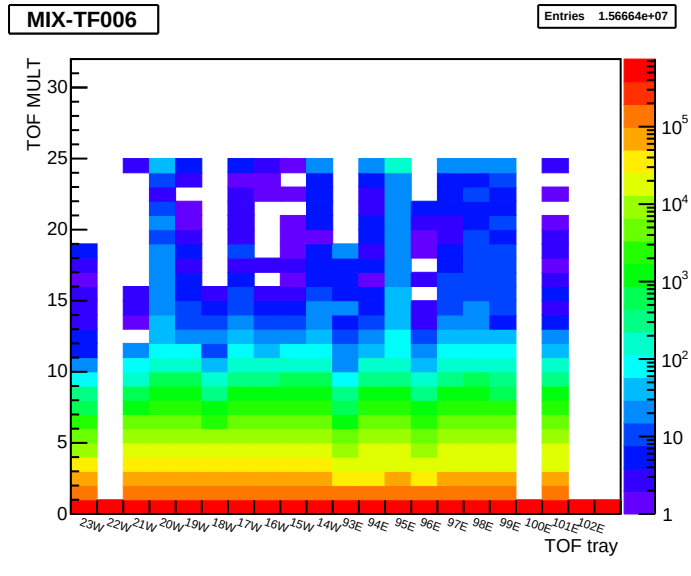

MIX-TF001
Entries 1.56664e+07
TOF MULT
TOF tray

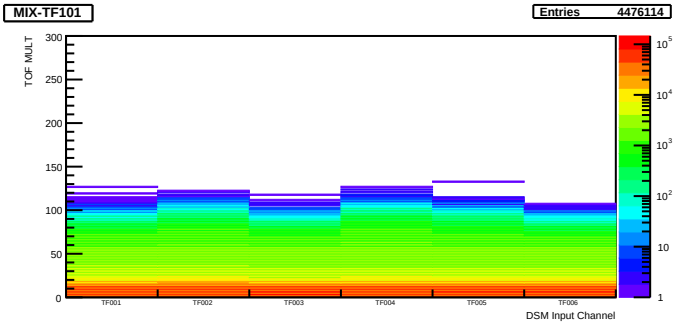

MIX-TF002
Entries 1.56664e+07
TOF MULT
TOF tray

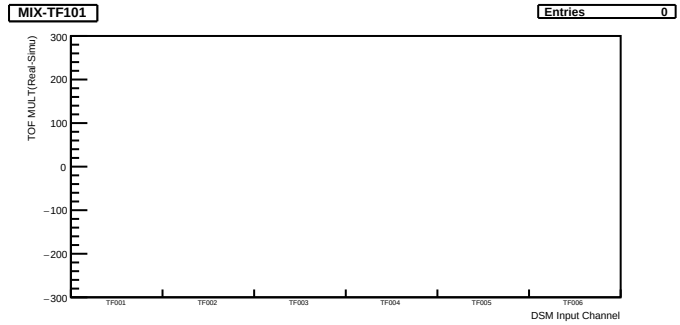

MIX-TF003
Entries 1.56664e+07
TOF MULT
TOF tray

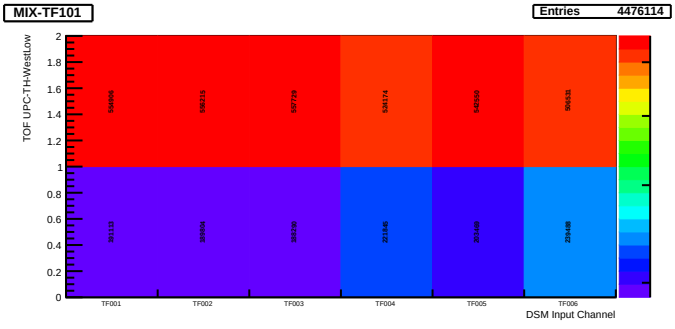

MIX-TF004
Entries 1.56664e+07
TOF MULT
TOF tray

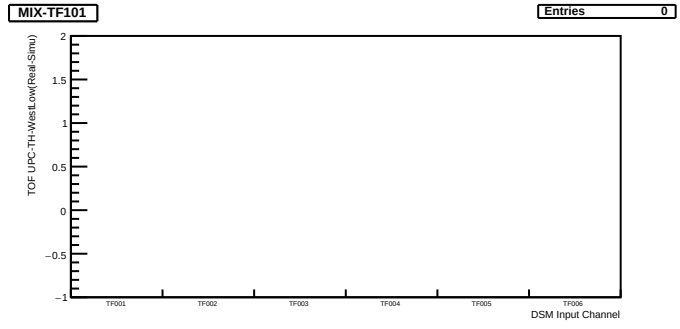

MIX-TF005
Entries 1.56664e+07
TOF MULT
TOF tray

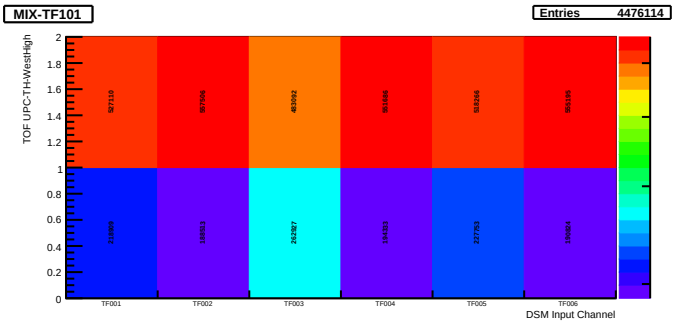

MIX-TF006
Entries 1.56664e+07
TOF MULT
TOF tray

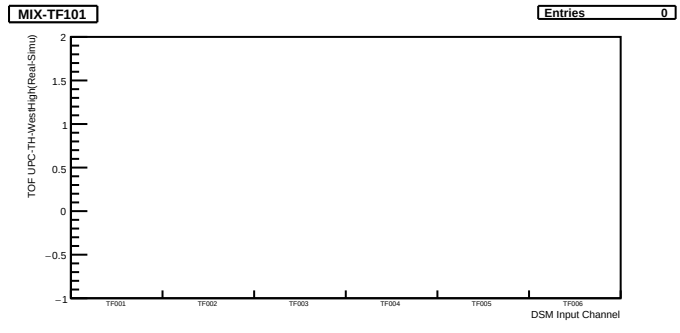

MIX-TF101
Entries 4476114
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

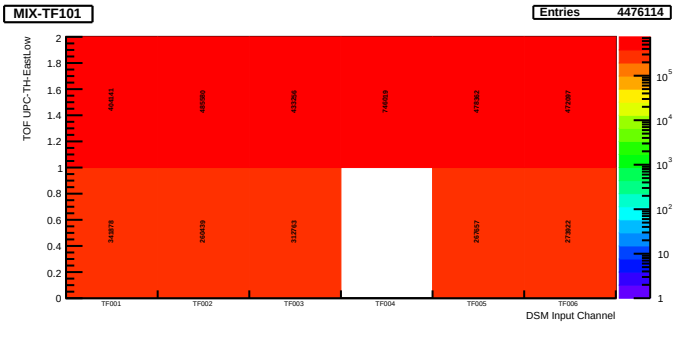

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

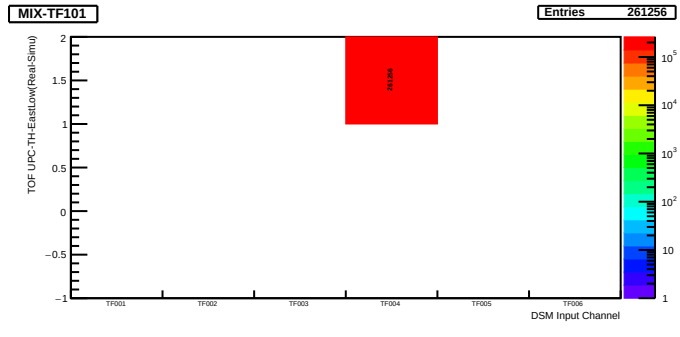

MIX-TF101
Entries 4476114
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

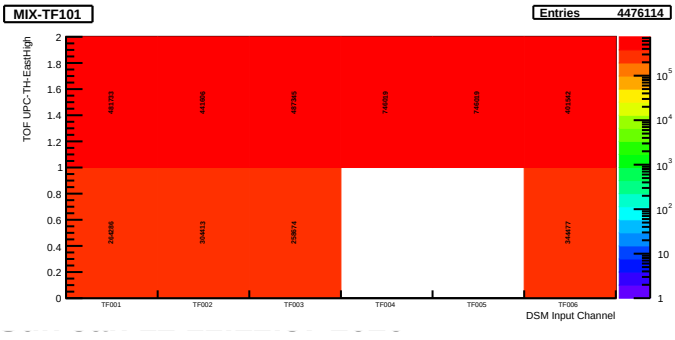

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

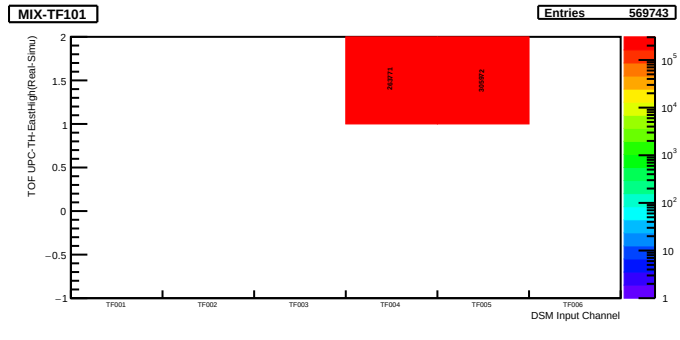

MIX-TF101
Entries 4476114
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

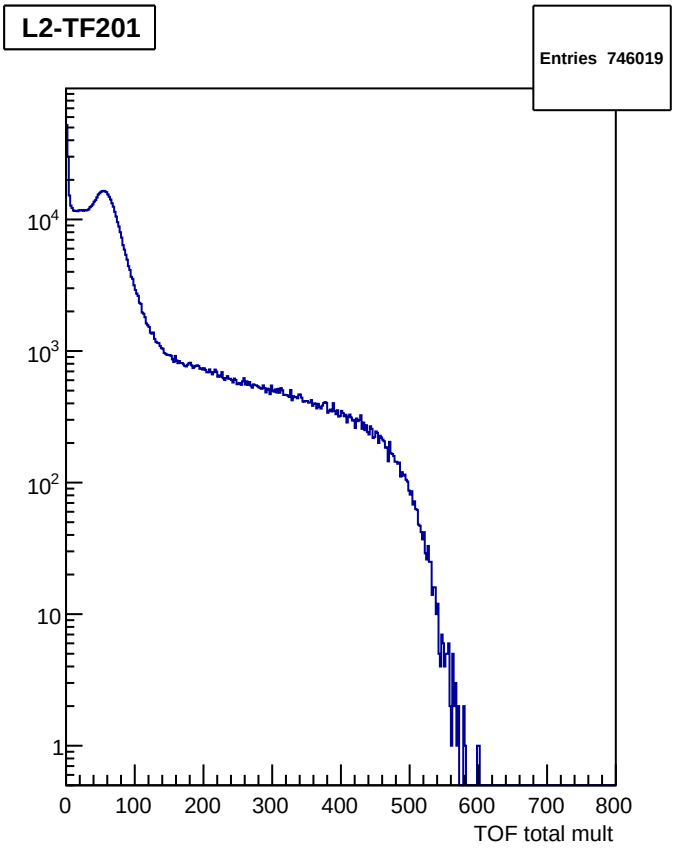

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

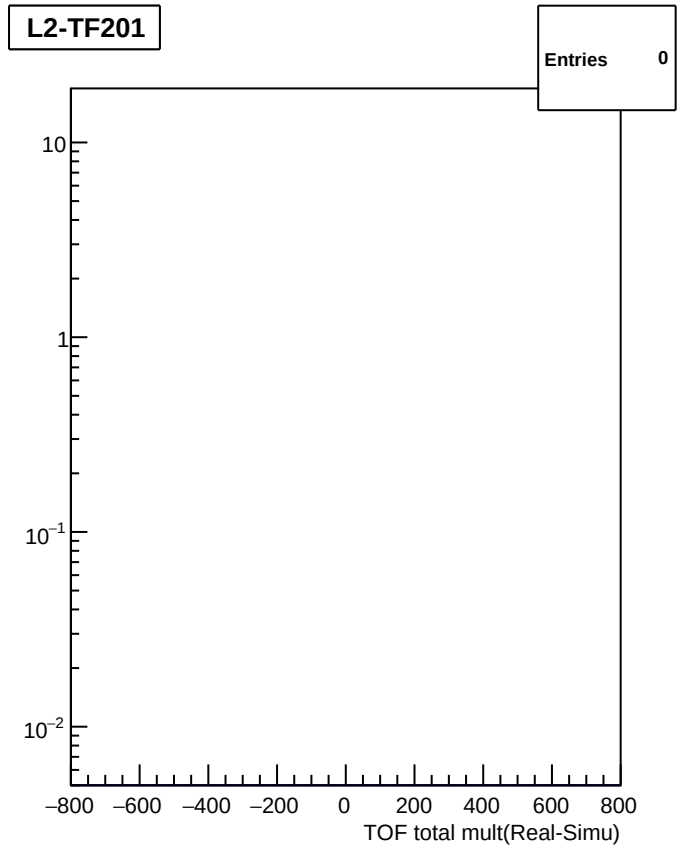

MIX-TF101
Entries 4476114
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

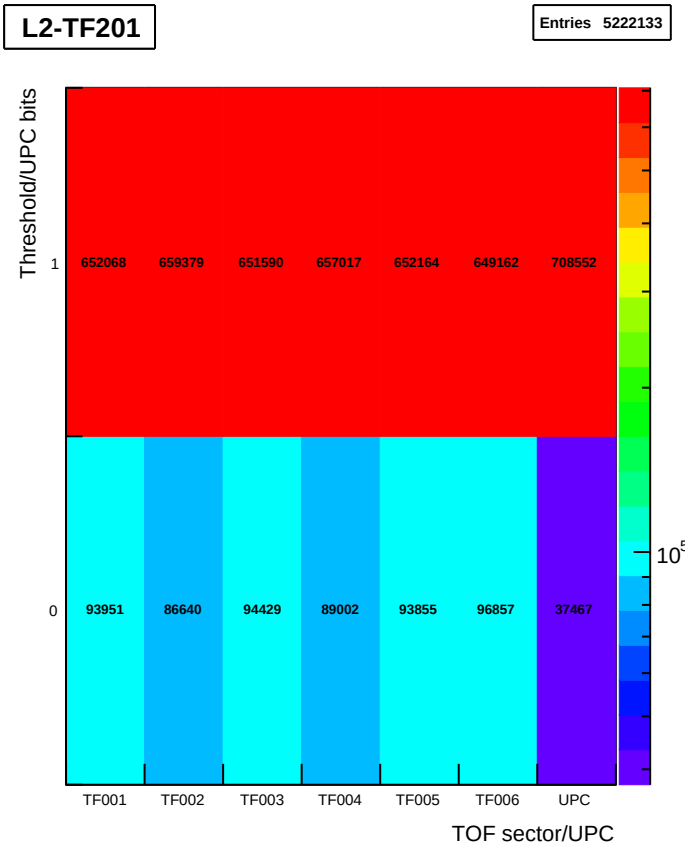

MIX-TF101
Entries 261256
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

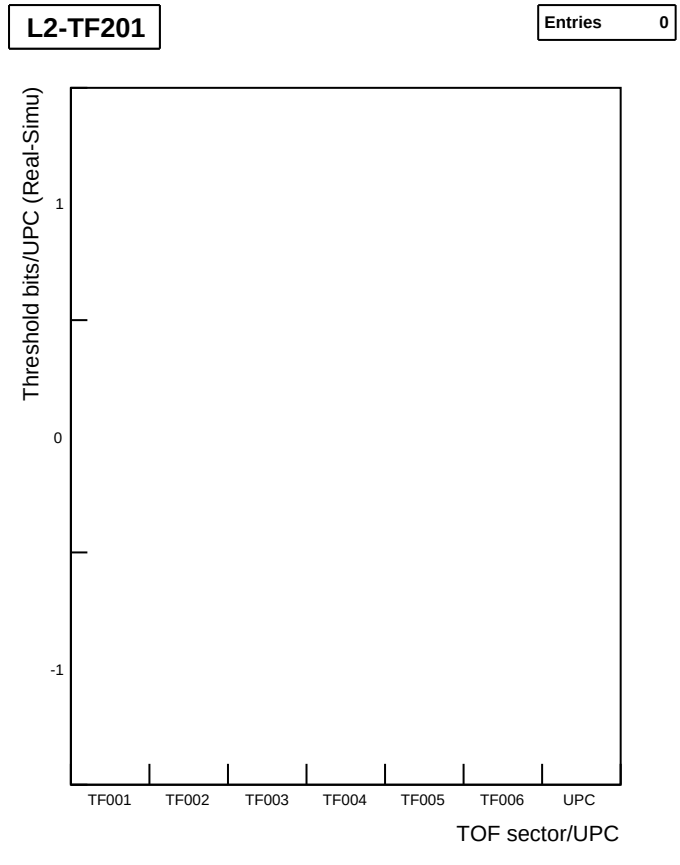

MIX-TF101
Entries 4476114
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

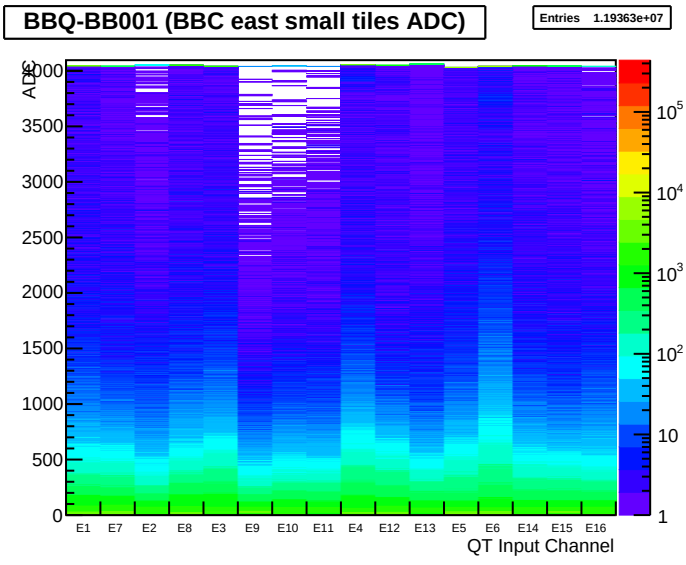

MIX-TF101
Entries 569743
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

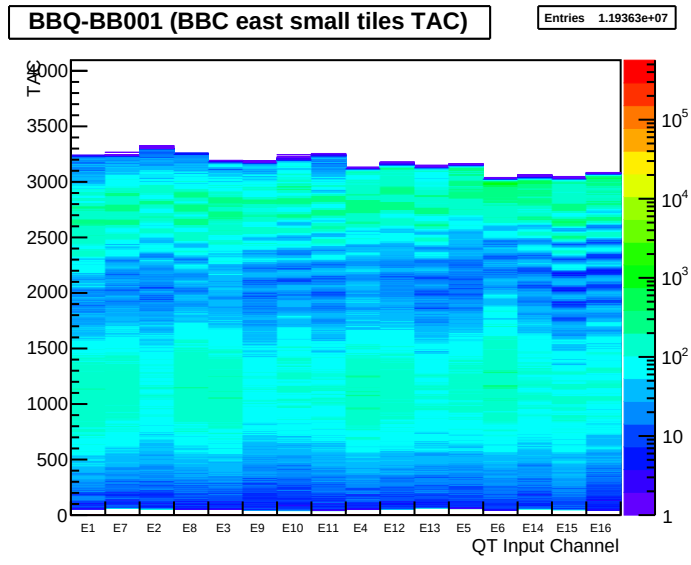

L2-TF201
Entries 746019
TOF total mult

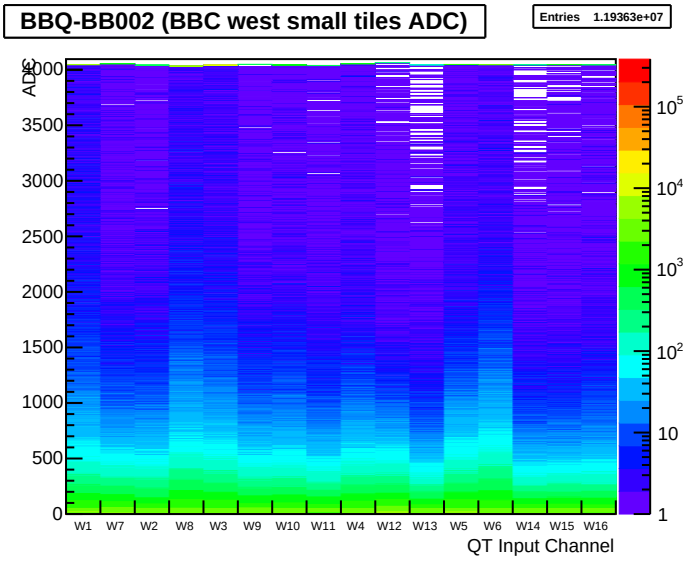

L2-TF201
Entries 0
TOF total mult(Real-Simu)

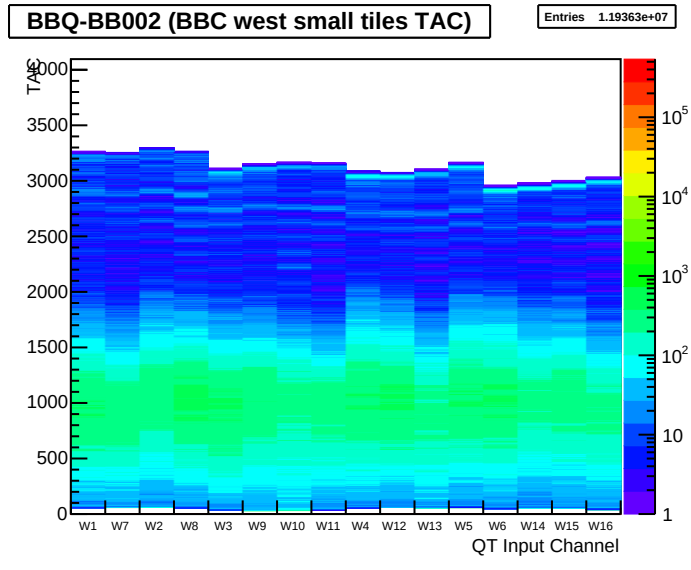

L2-TF201
Entries 5222133
Threshold/UPC bits
652068
659379
651590
657017
652164
649162
708552
93951
86640
94429
89002
93855
96857
37467
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

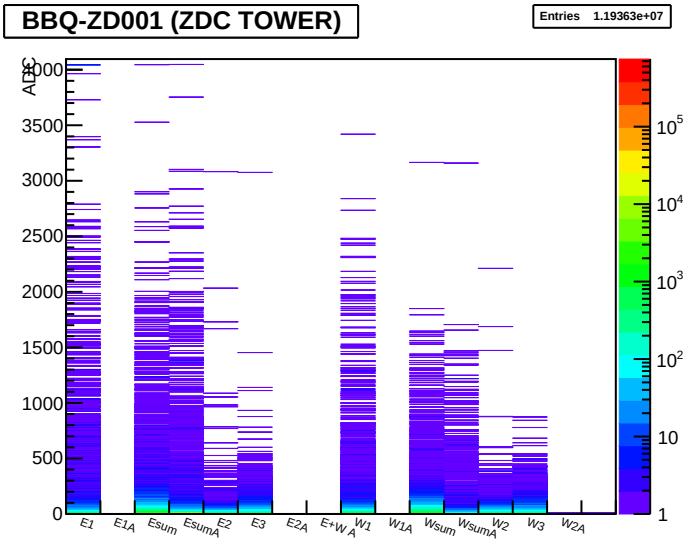

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

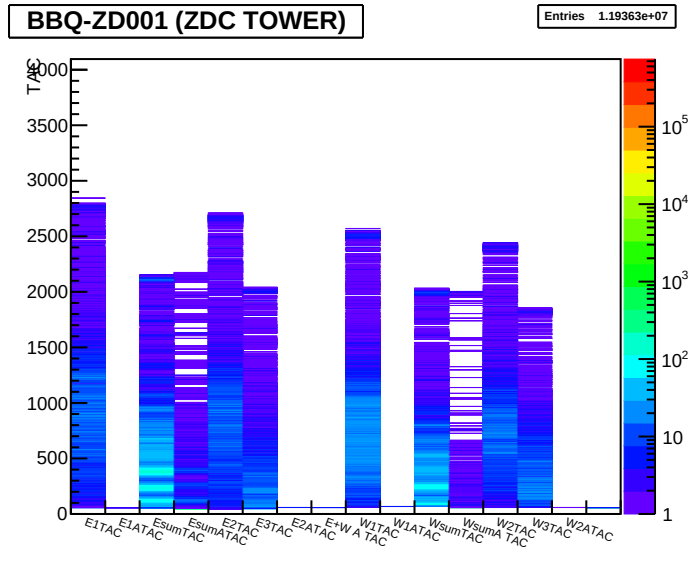

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.19363e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

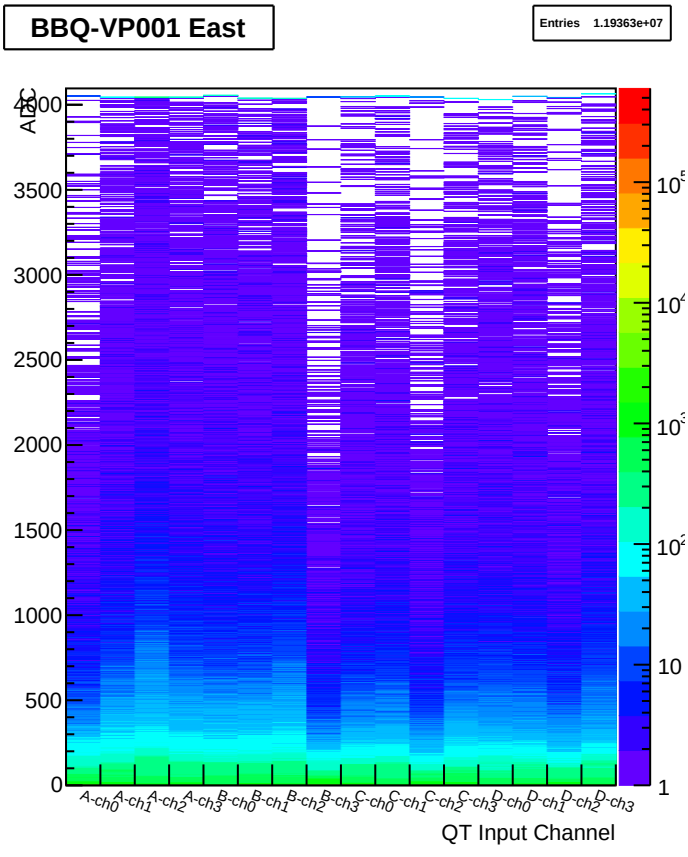

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.19363e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

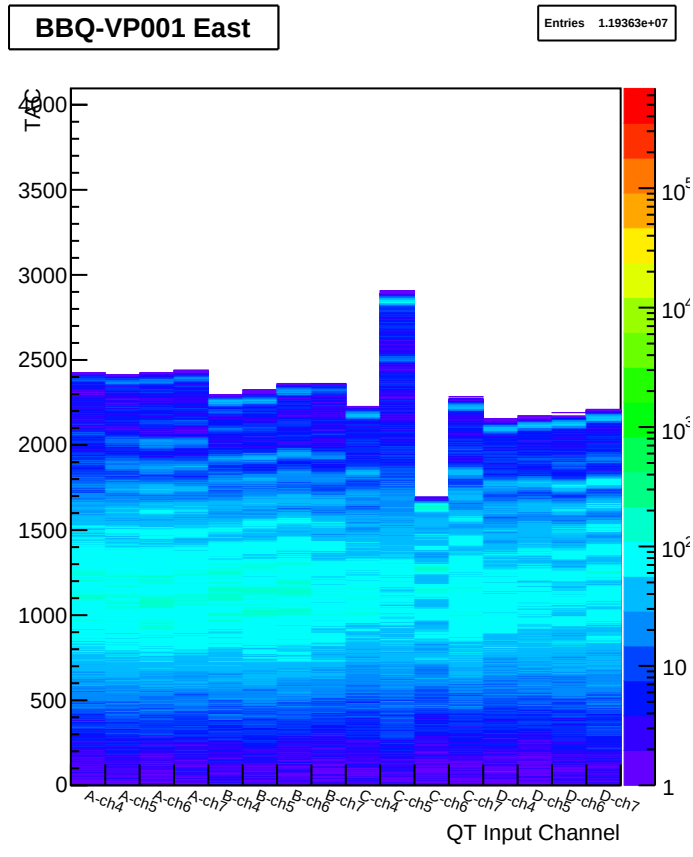

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.19363e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

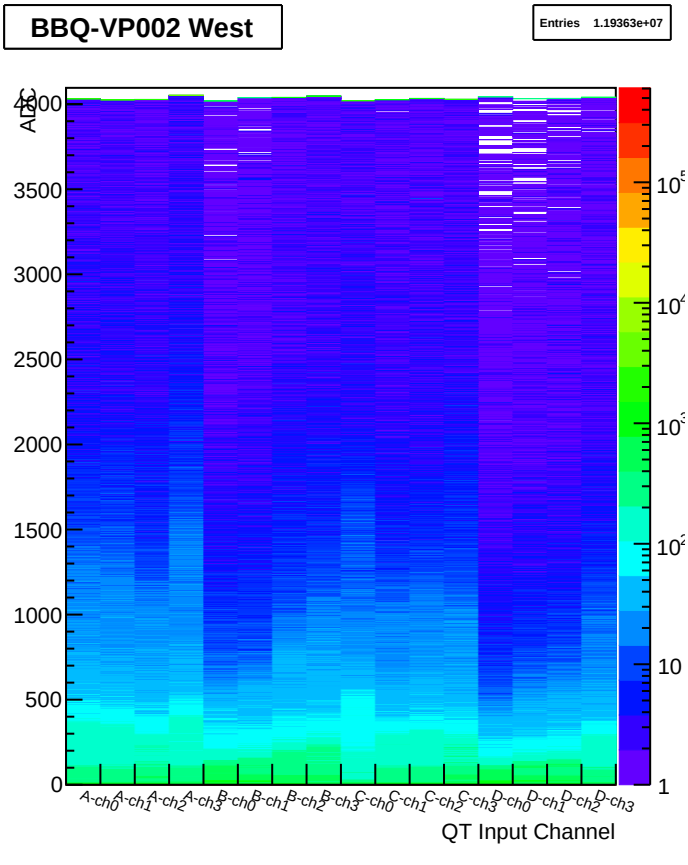

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.19363e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

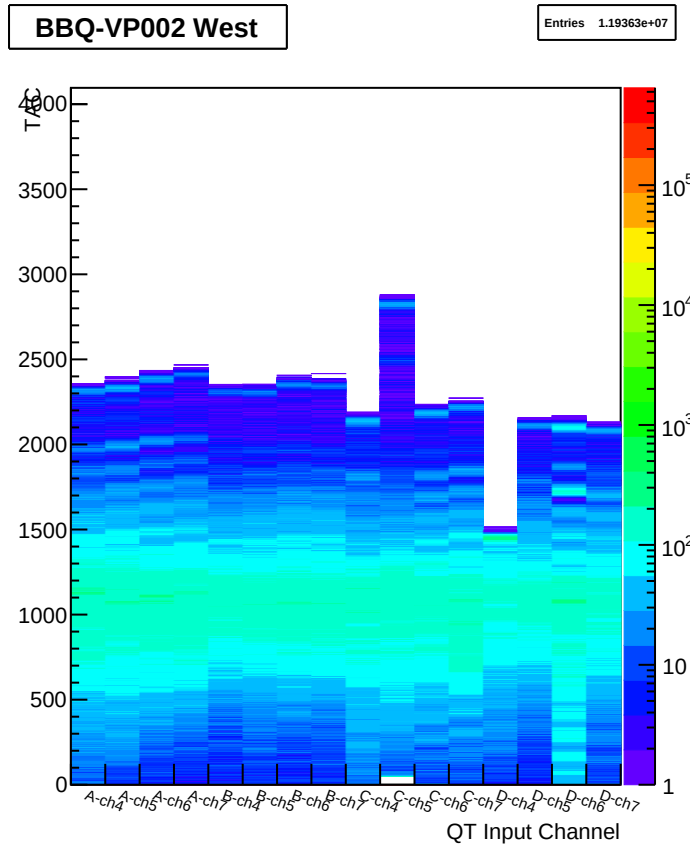

BBQ-ZD001 (ZDC TOWER)
Entries 1.19363e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

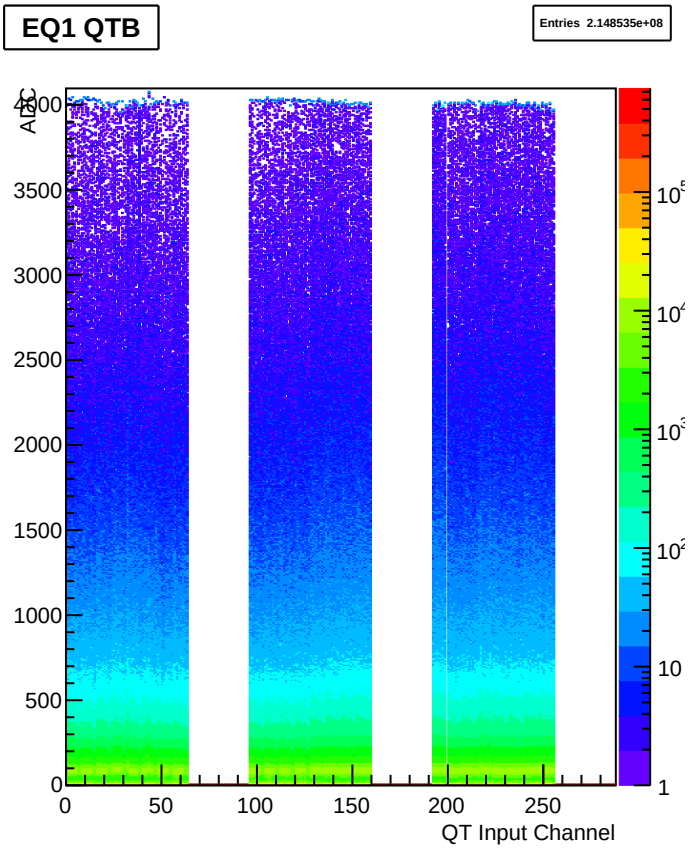

BBQ-ZD001 (ZDC TOWER)
Entries 1.19363e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

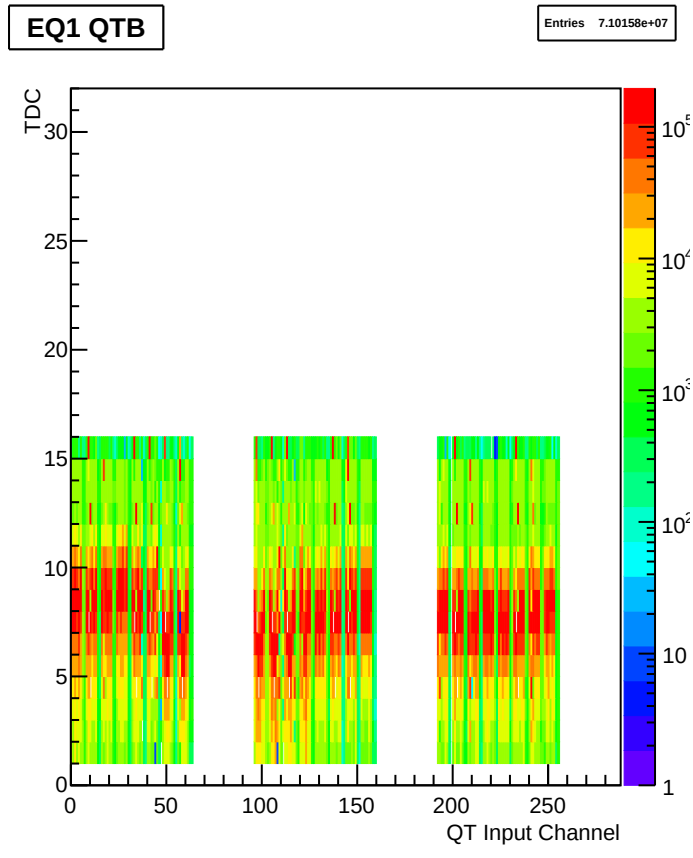

BBQ-VP001 East
Entries 1.19363e+07
ADC
QT Input Channel

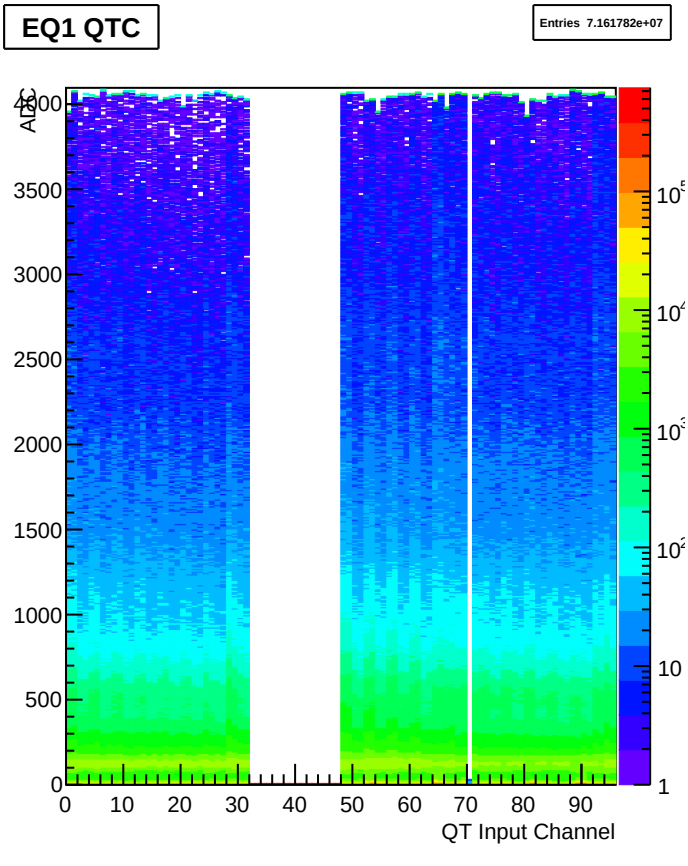

BBQ-VP001 East
Entries 1.19363e+07
TADC
QT Input Channel

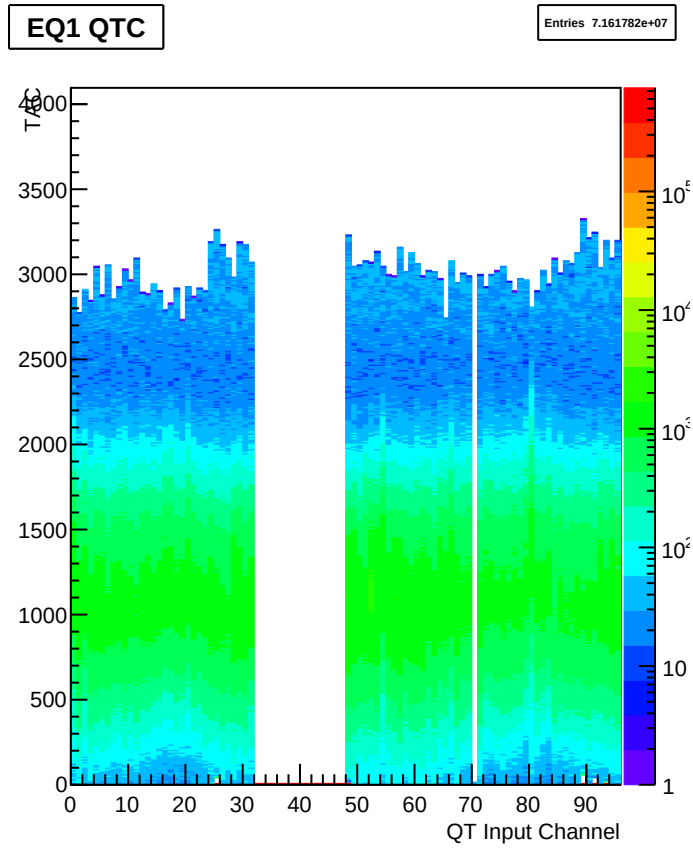

BBQ-VP002 West
Entries 1.19363e+07
ADC
QT Input Channel

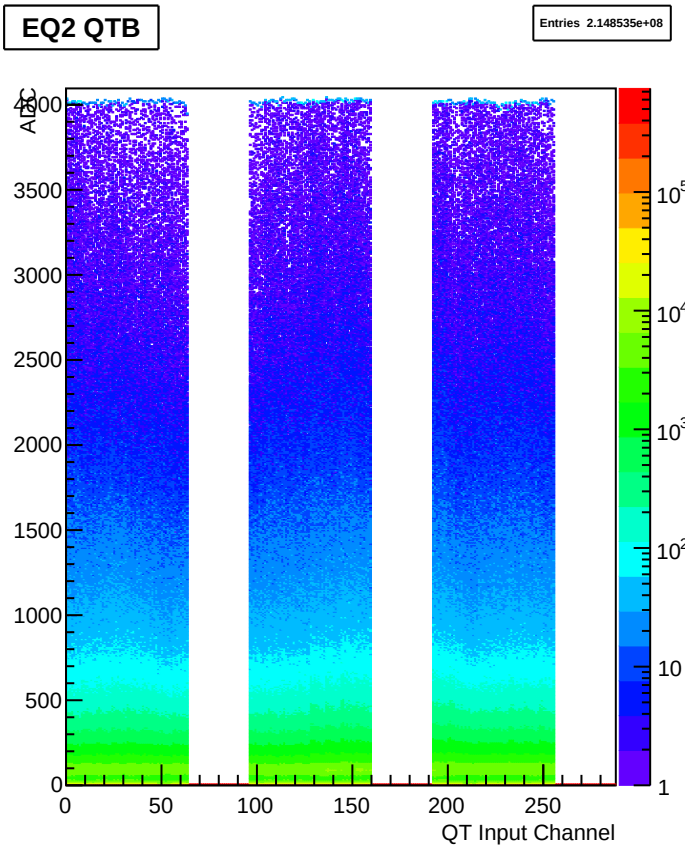

BBQ-VP002 West
Entries 1.19363e+07
TADC
QT Input Channel

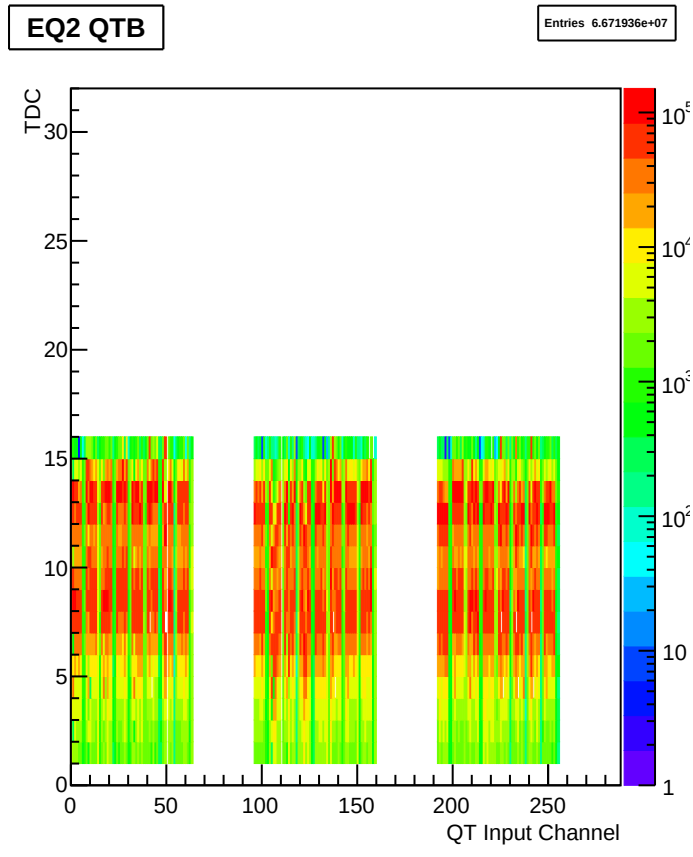

EQ1 QTB
Entries 2.148535e+08
ADC
QT Input Channel

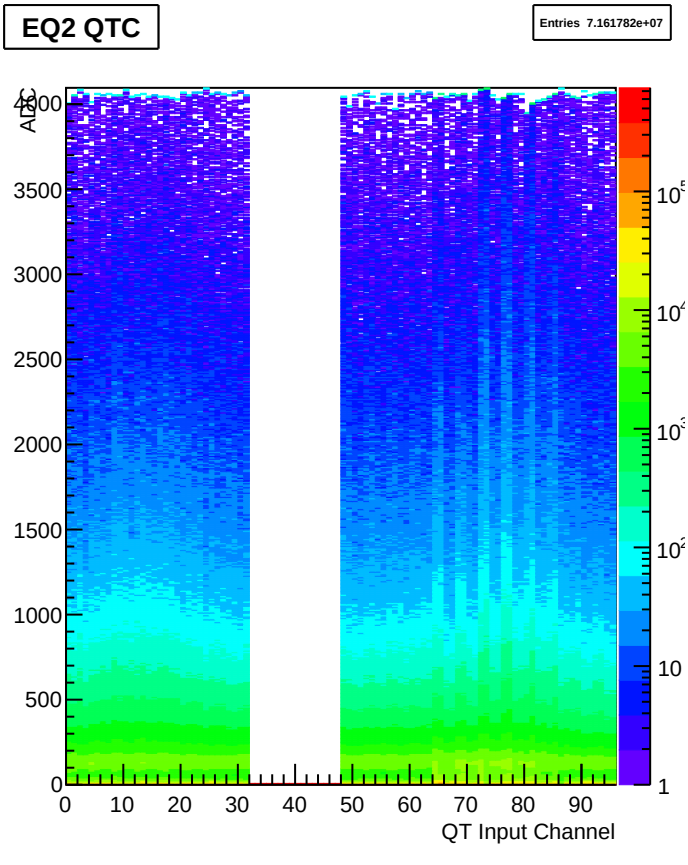

EQ1 QTB
Entries 7.10158e+07
TDC
QT Input Channel

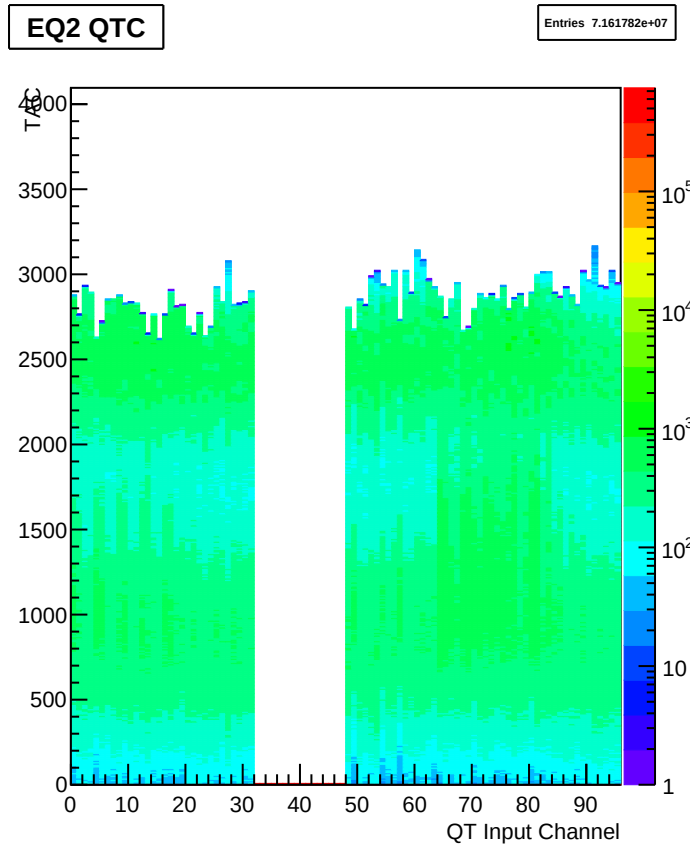

EQ1 QTC
Entries 7.161782e+07
ADC
QT Input Channel

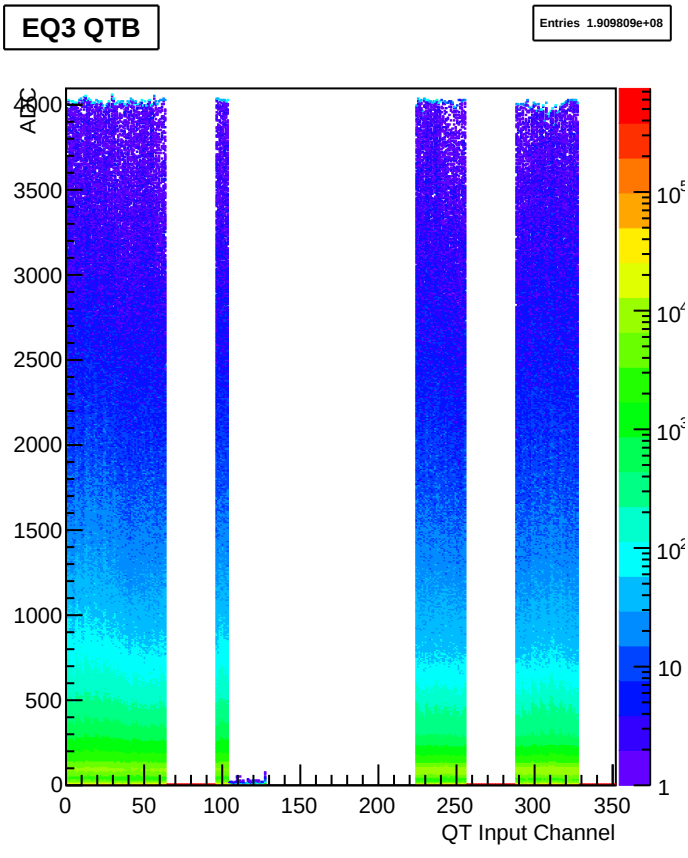

EQ1 QTC
Entries 7.161782e+07
TADC
QT Input Channel

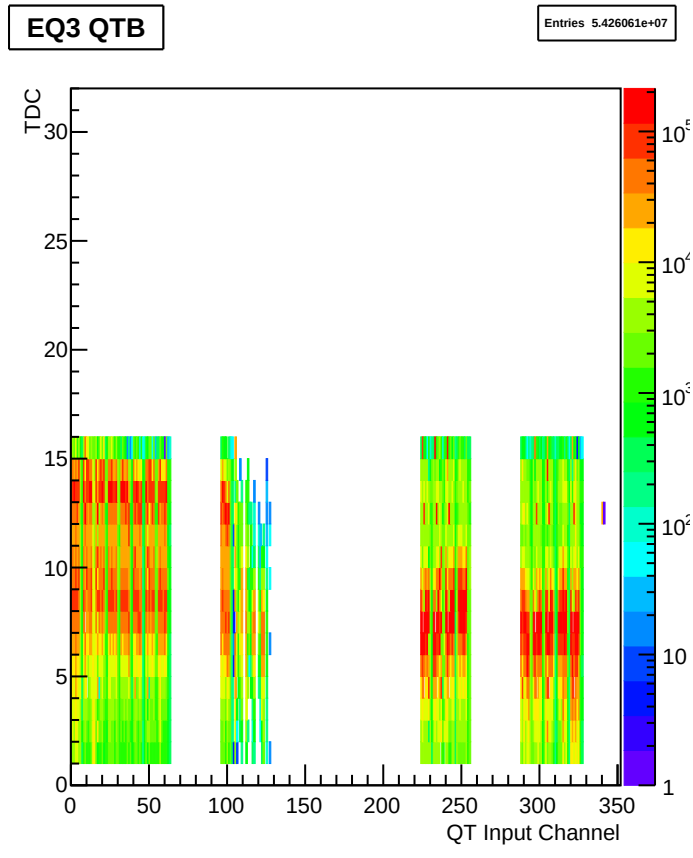

EQ2 QTB
Entries 2.148535e+08
ADC
QT Input Channel

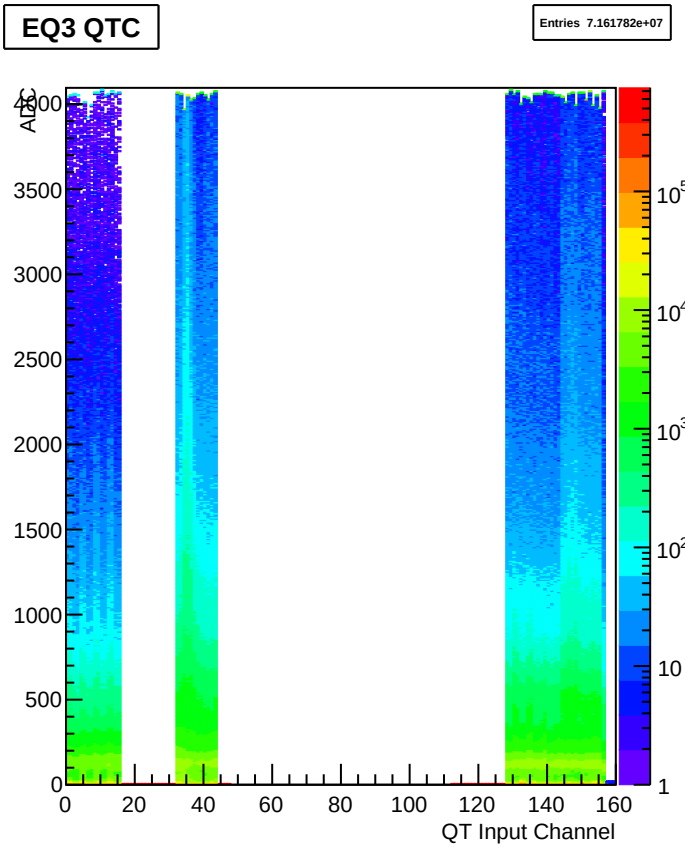

EQ2 QTB
Entries 6.671936e+07
TDC
QT Input Channel

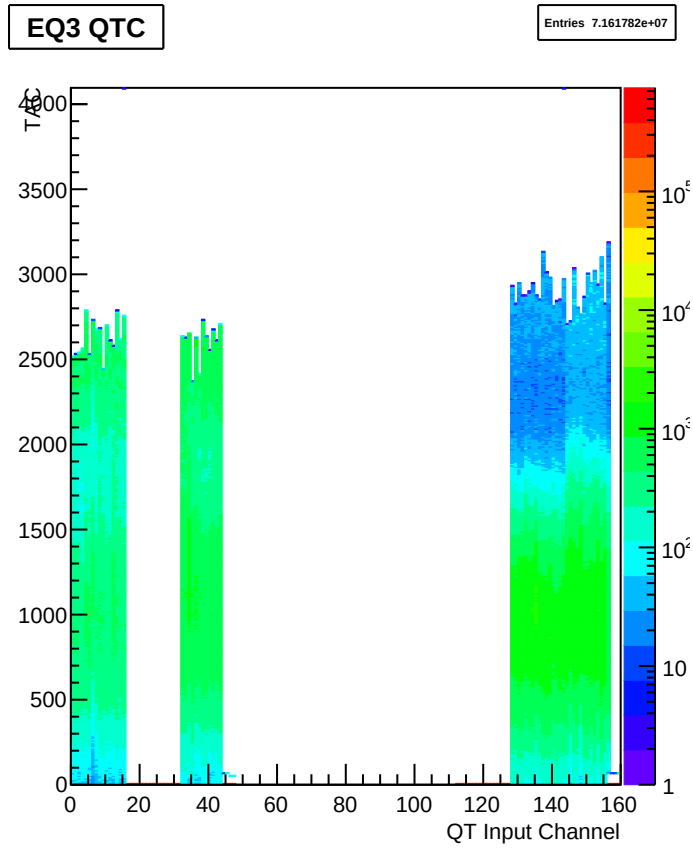

EQ2 QTC
Entries 7.161782e+07
ADC
QT Input Channel

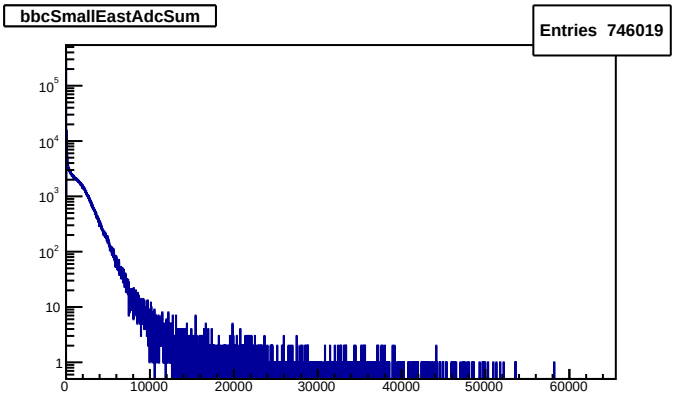

EQ2 QTC
Entries 7.161782e+07
TADC
QT Input Channel

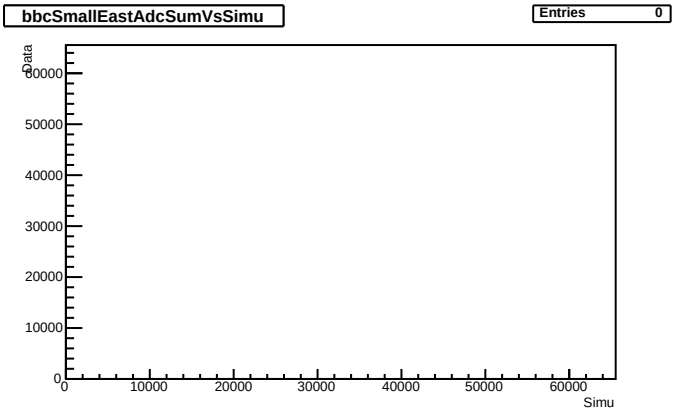

EQ3 QTB
Entries 1.909809e+08
ADC
QT Input Channel

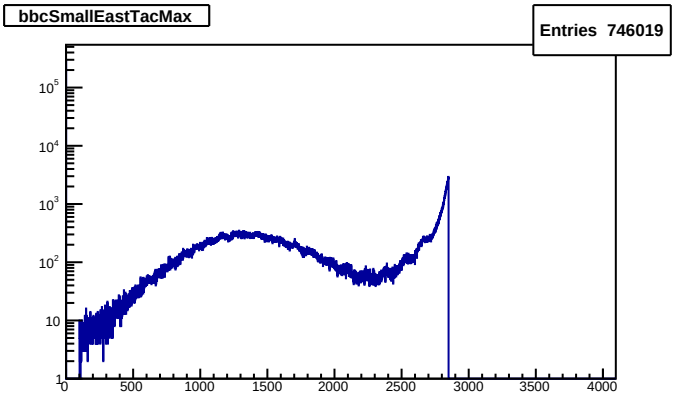

EQ3 QTB
Entries 5.426061e+07
TDC
QT Input Channel

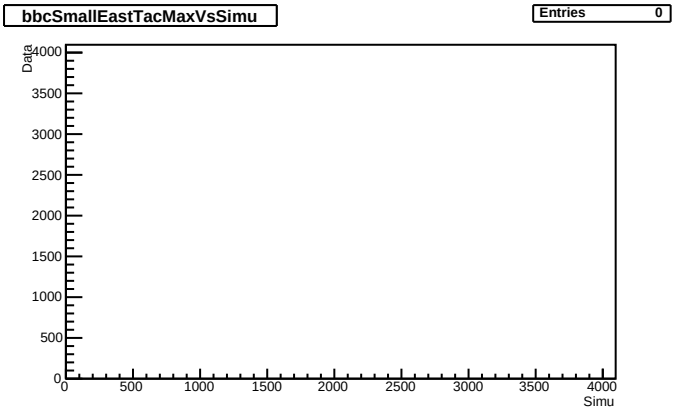

EQ3 QTC
Entries 7.161782e+07
ADC
QT Input Channel

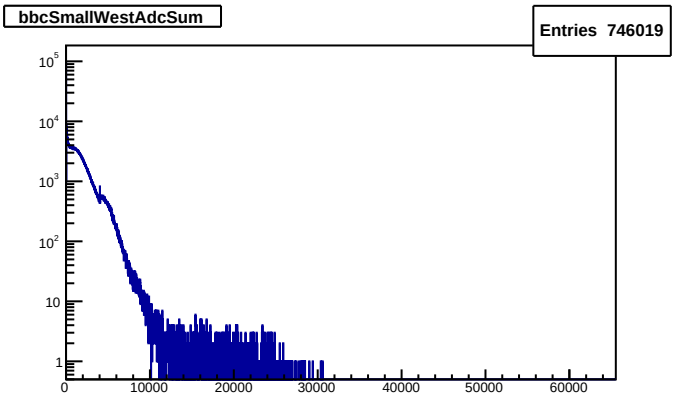

EQ3 QTC
Entries 7.161782e+07
TADC
QT Input Channel

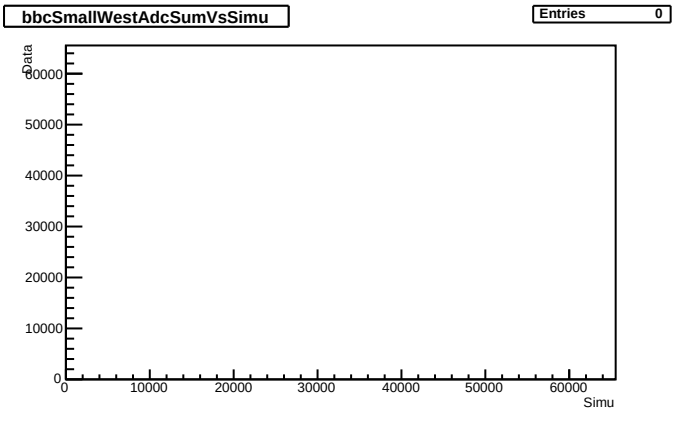

bbcSmallEastAdcSum
Entries 746019


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 746019


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 746019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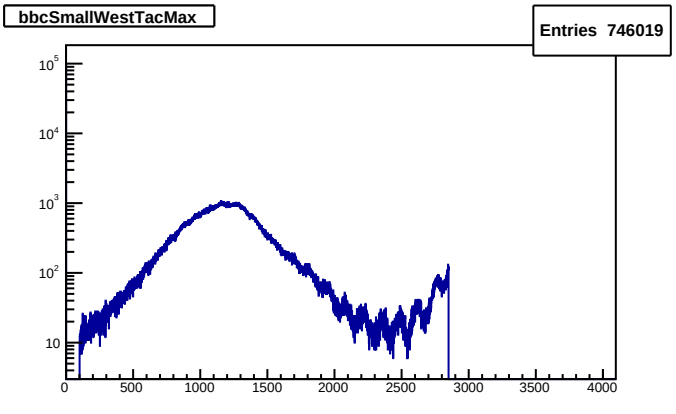
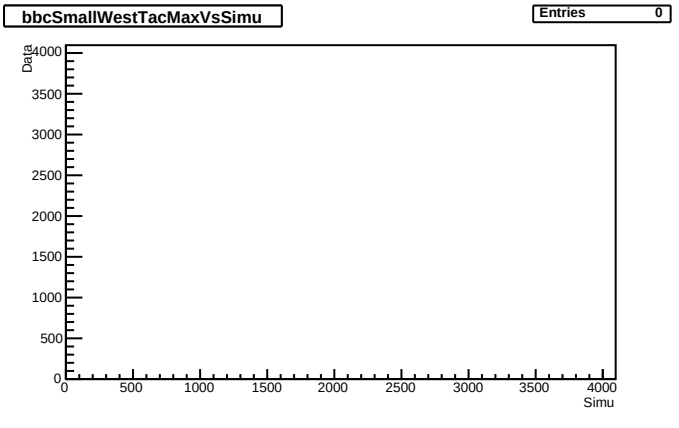
Entries 0
Data
Simu


bbcSmallWestTacMax
Entries 746019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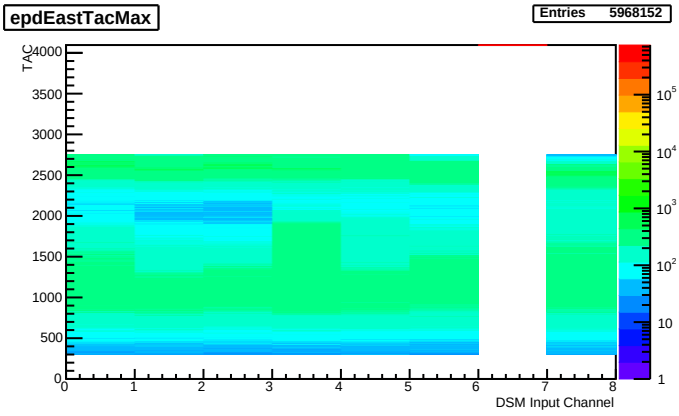
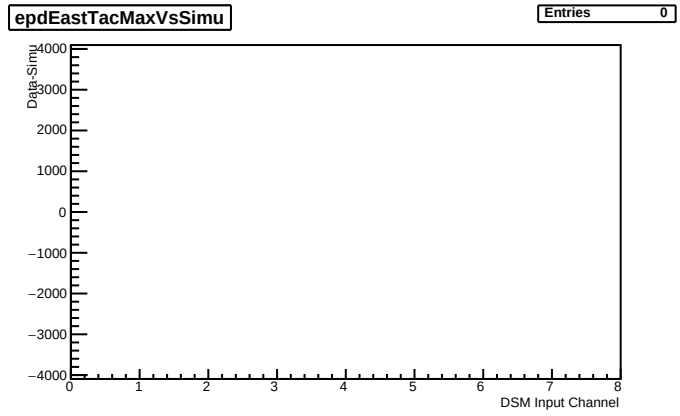
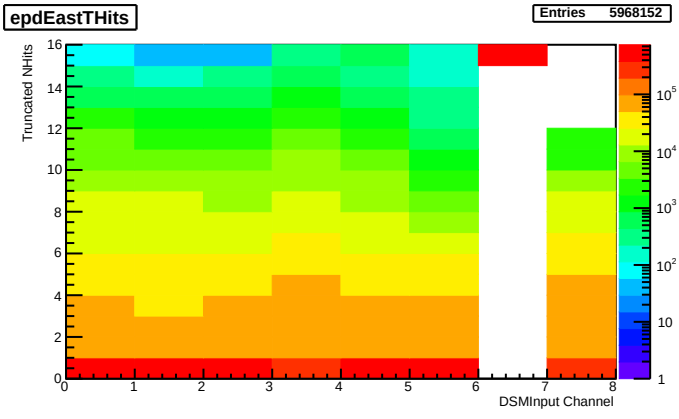
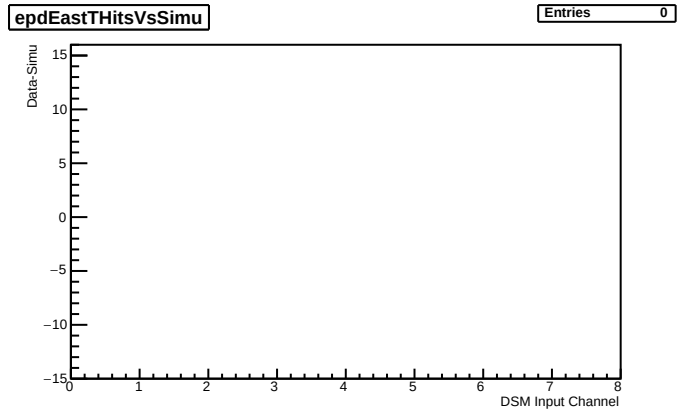
Entries 0
Data
Simu


epdEastTacMax
Entries 5968152
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5968152
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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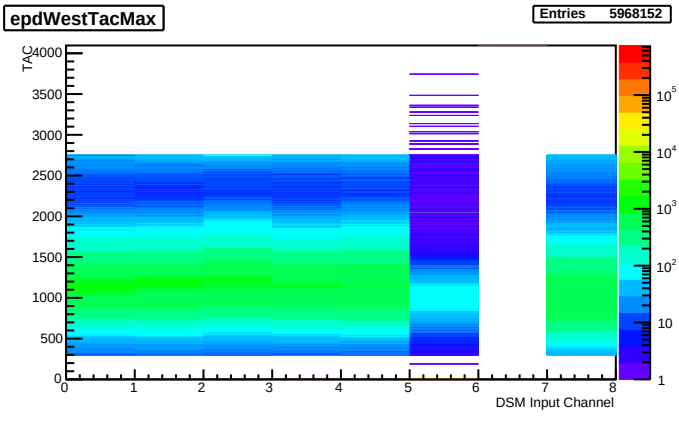
Data-Simu
DSM Input Channel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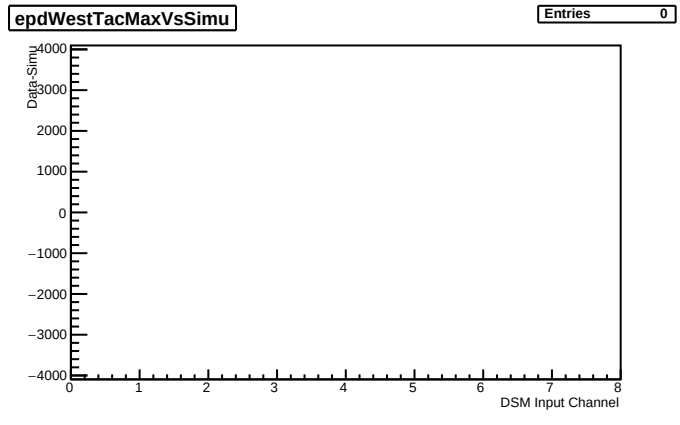
Entries 5968152
TAC
DSM Input Channel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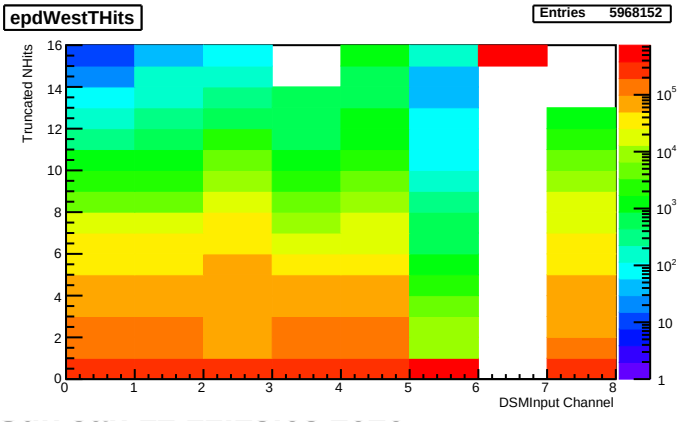
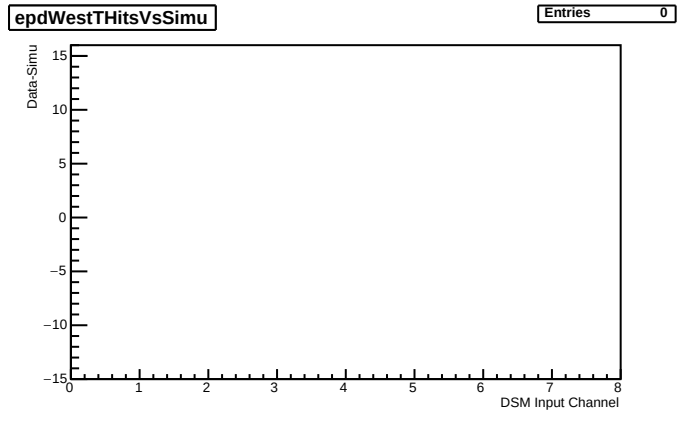
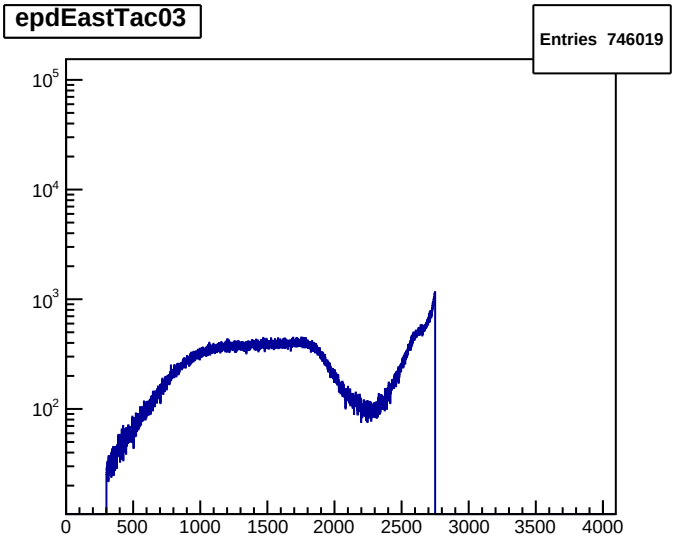
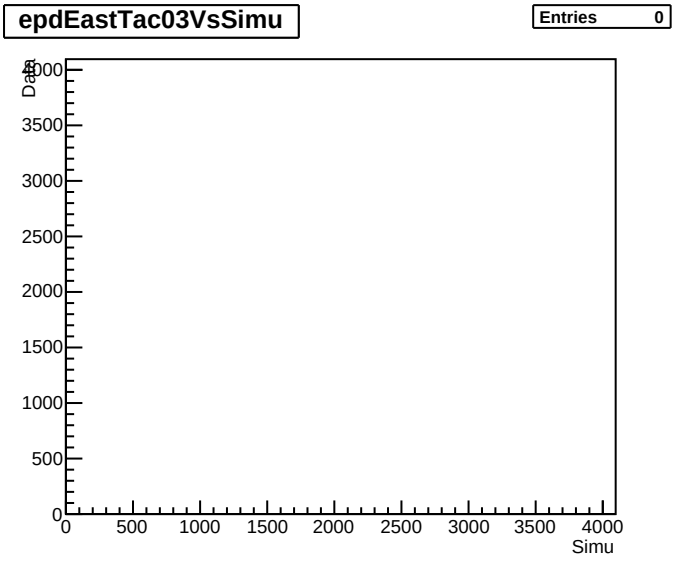
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5968152
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 746019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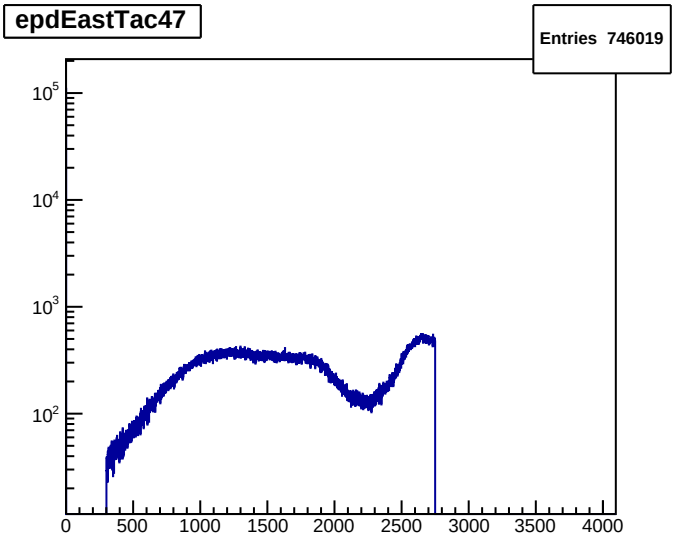
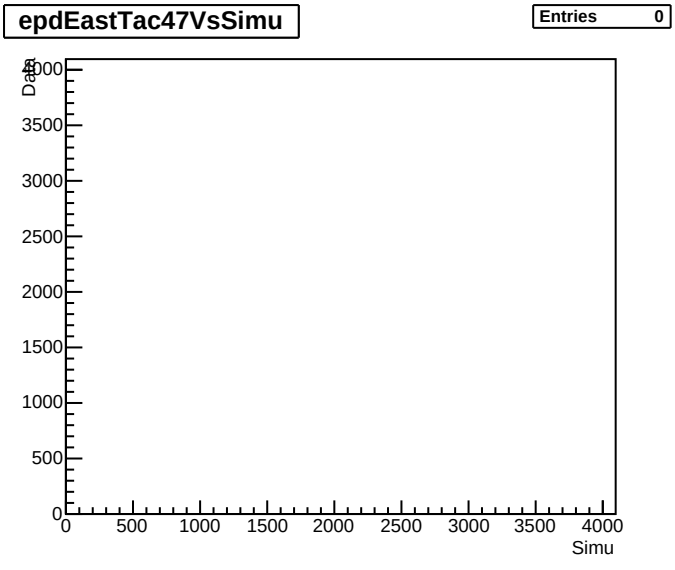
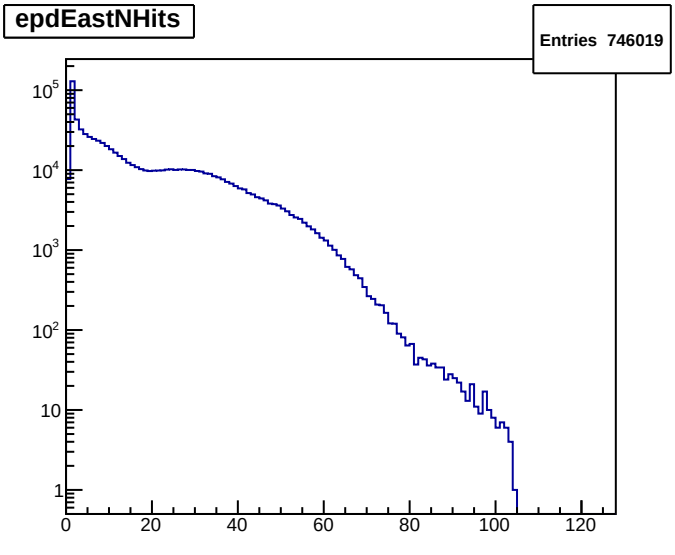
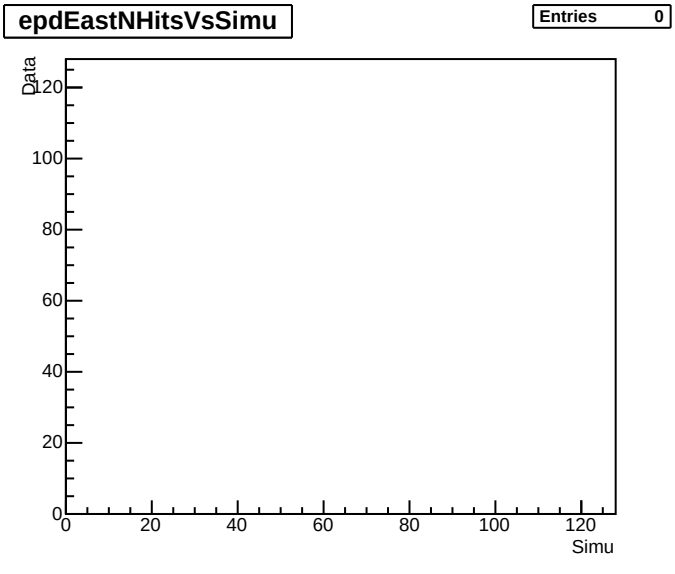
Entries 0
Data
Simu


epdEastTac47
Entries 746019


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 746019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Data
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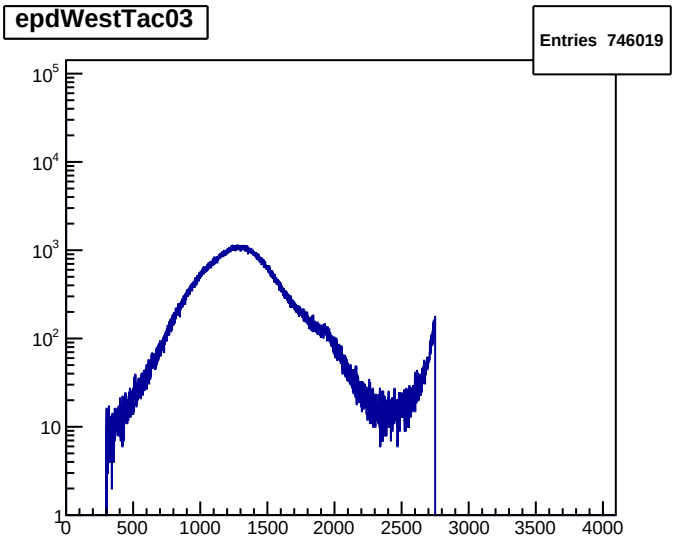
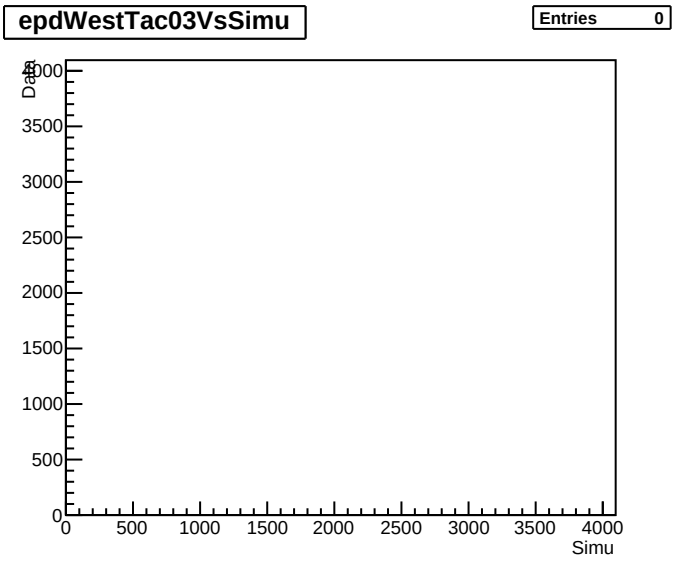

epdWestTac03
Entries 746019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Entries 0
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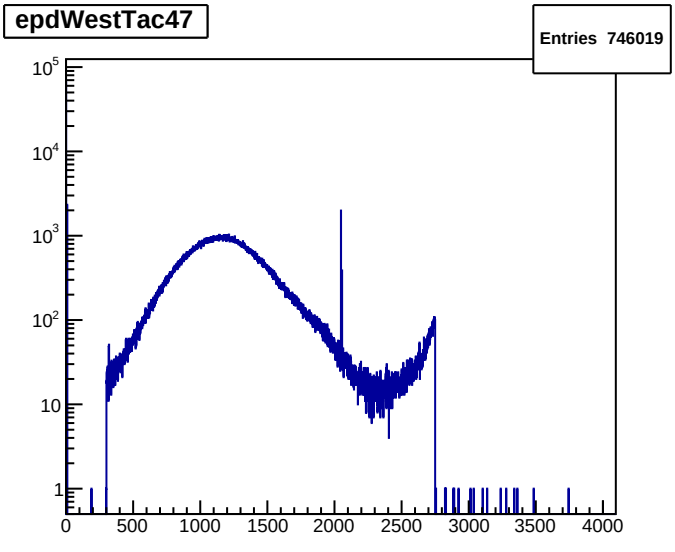
Simu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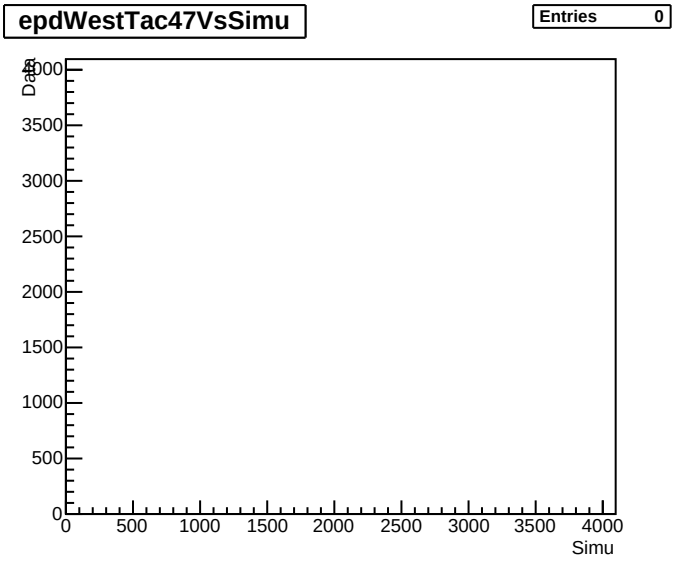
Entries 746019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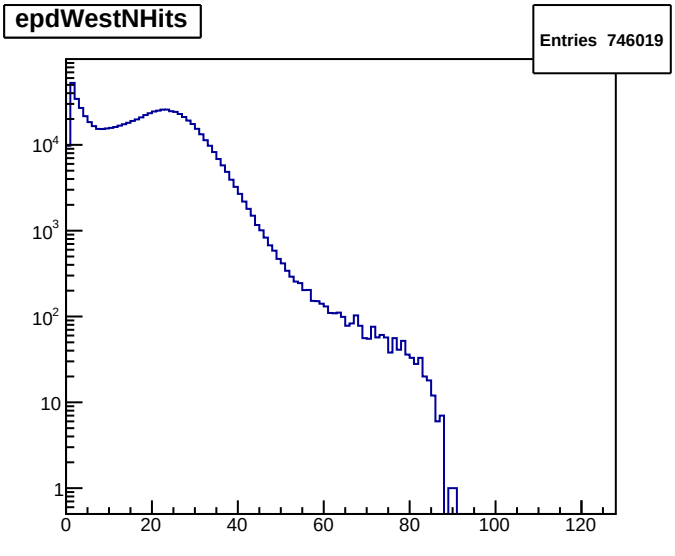
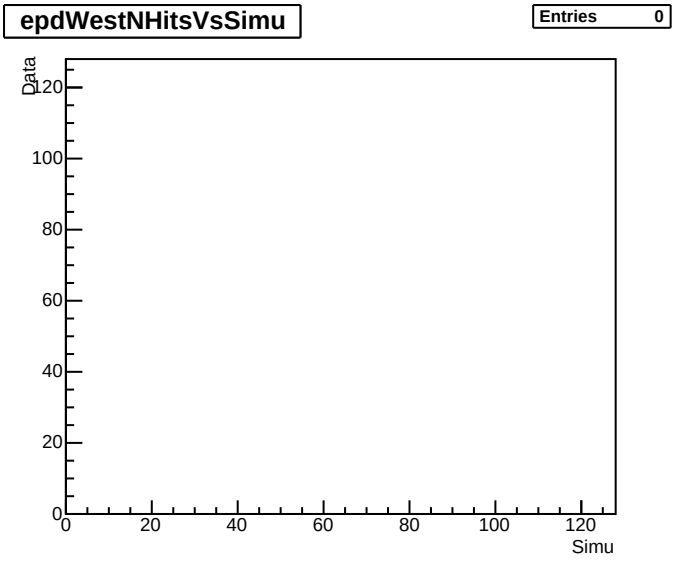
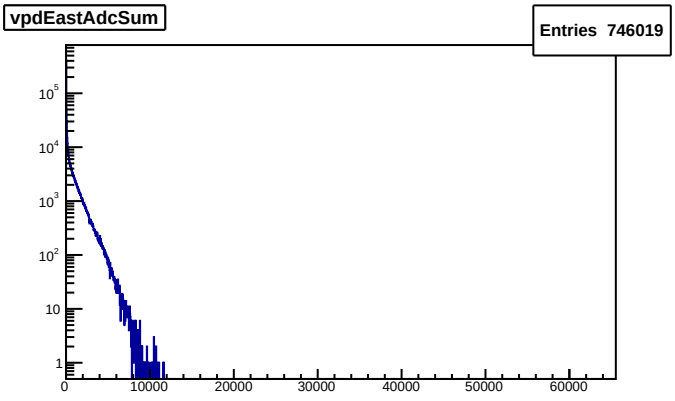
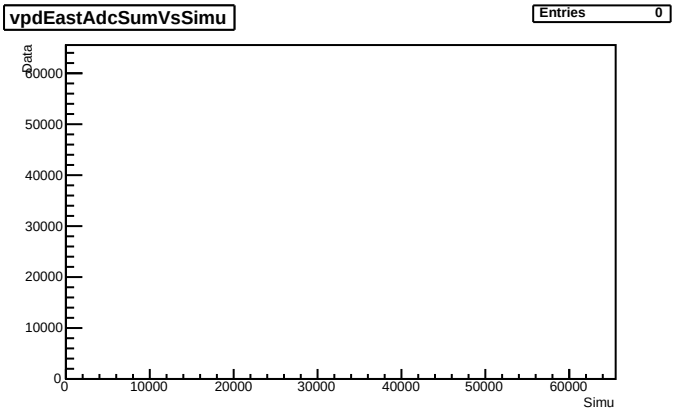
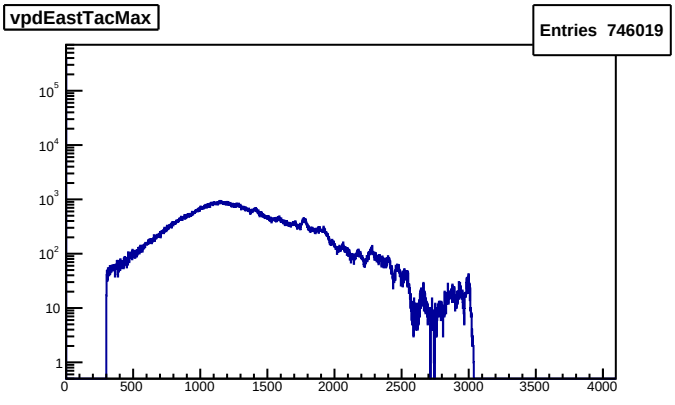
Entries 0
Data
Simu

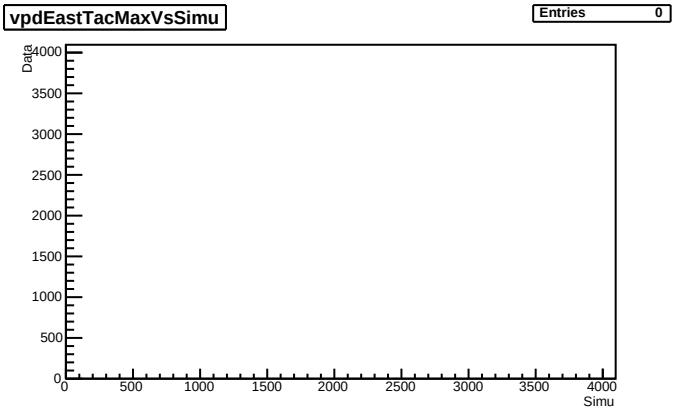

epdWestNHits
Entries 746019


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 746019


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 746019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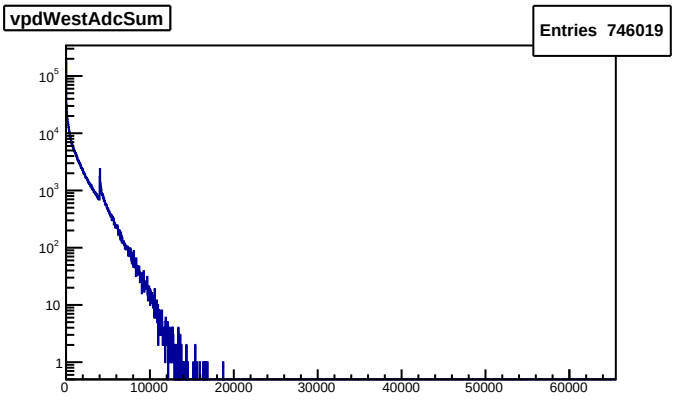
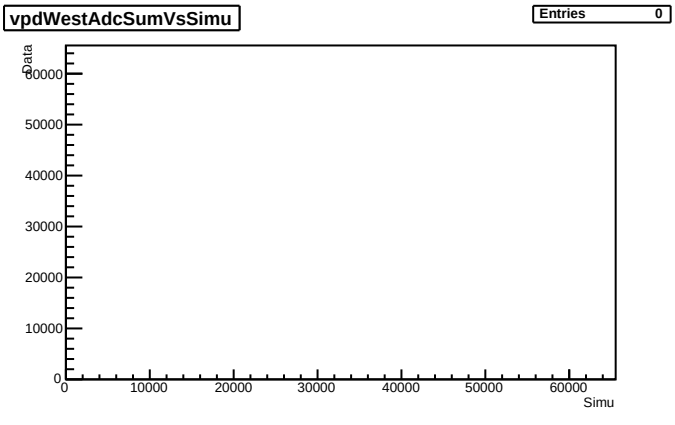
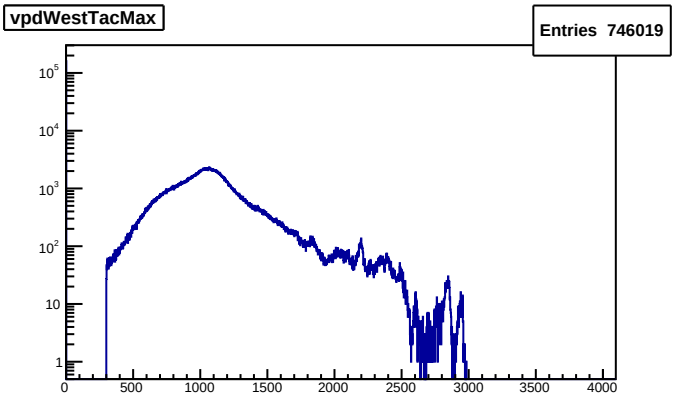
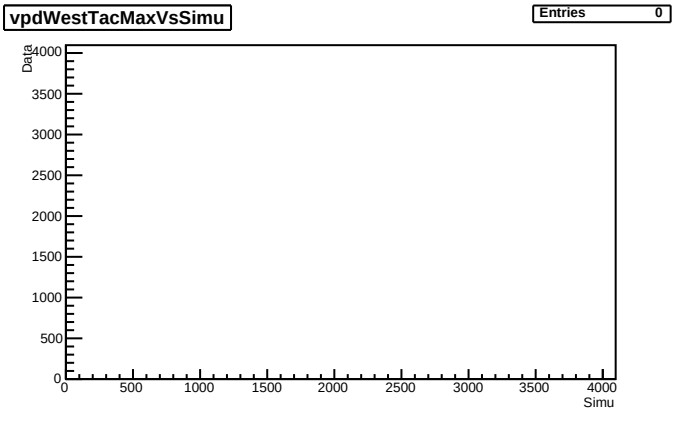
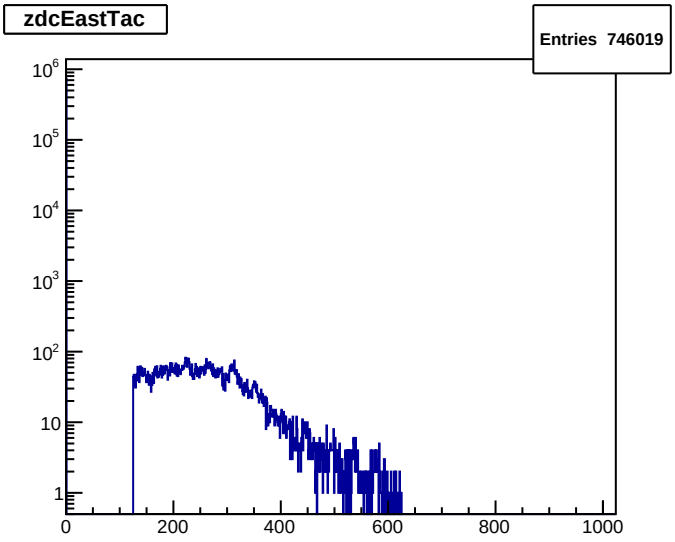
Entries 0
Data
Simu

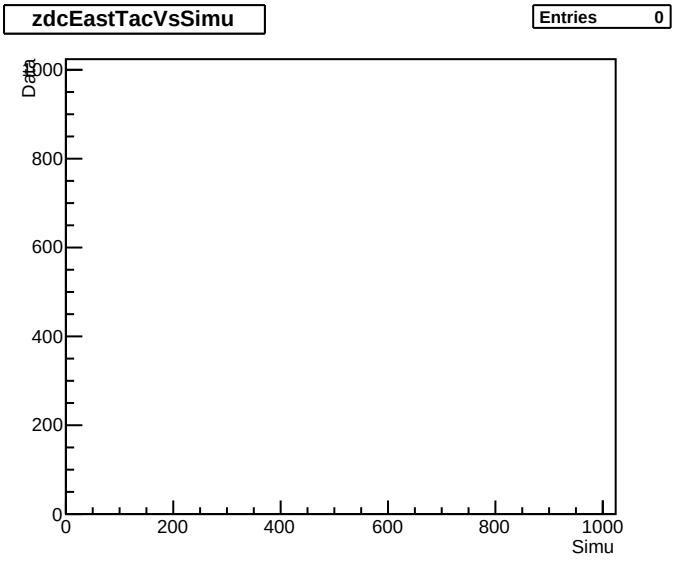

vpdWestAdcSum
Entries 746019

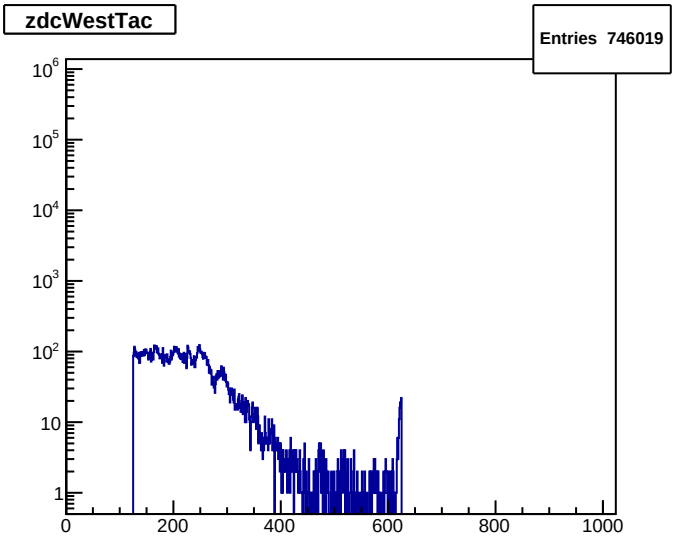

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

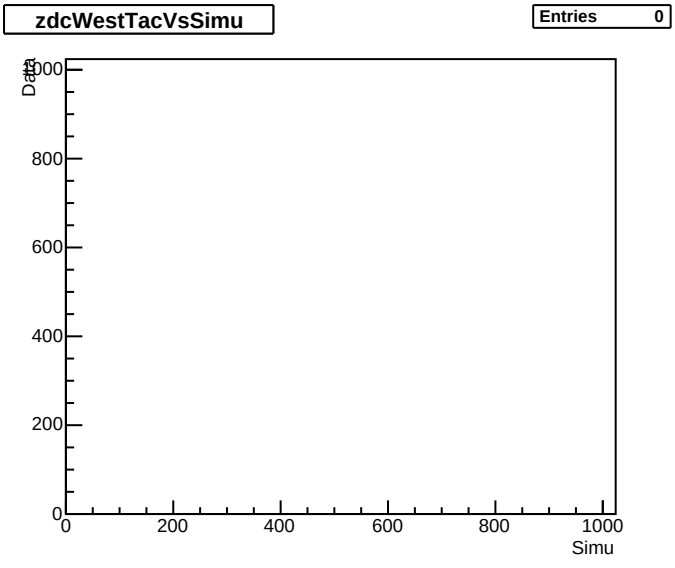

vpdWestTacMax
Entries 746019

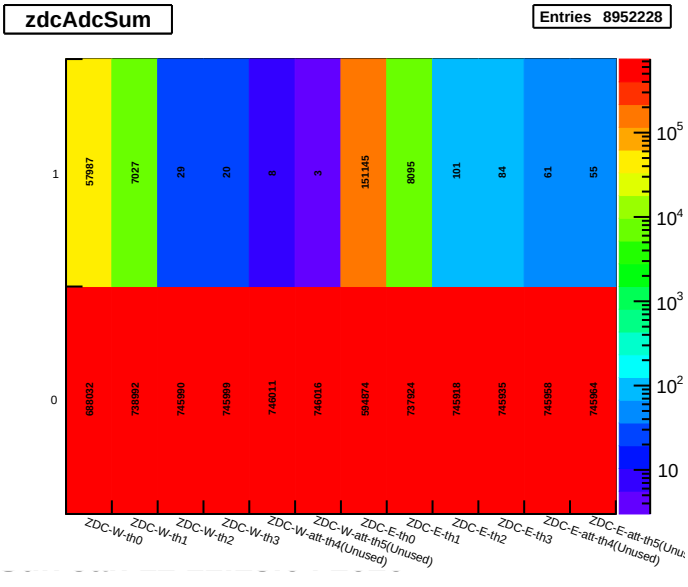

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

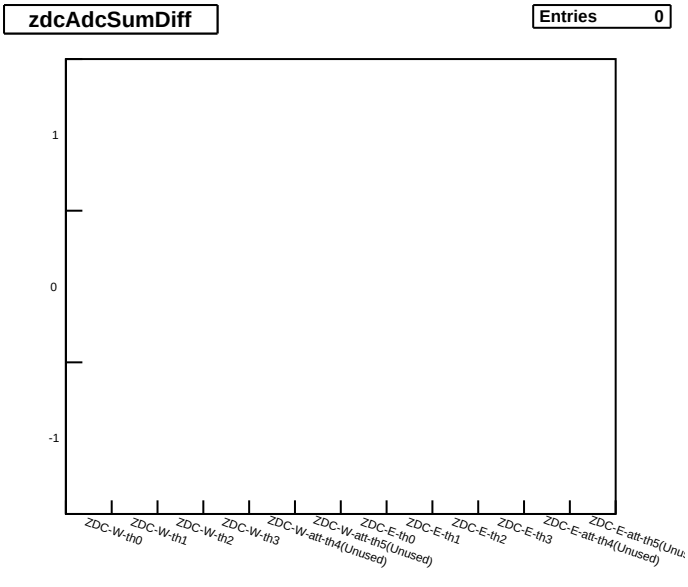

zdcEastTac
Entries 746019
10^6
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

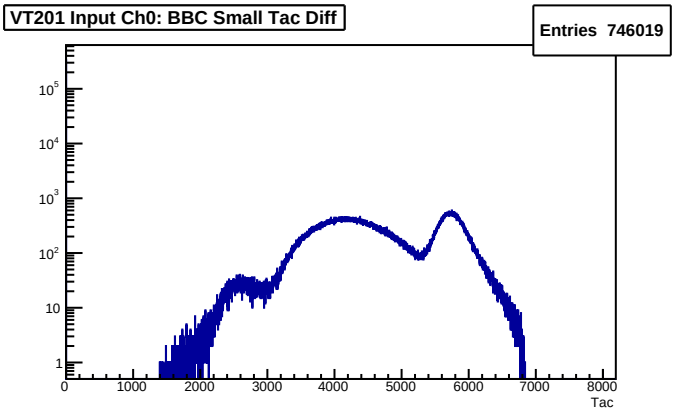

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

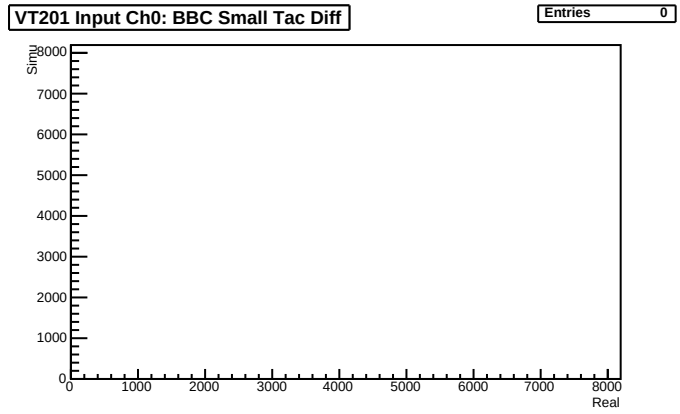

zdcWestTac
Entries 746019
10^6
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

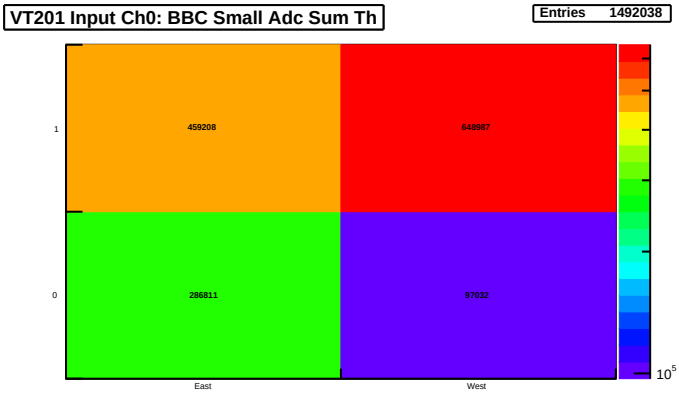

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

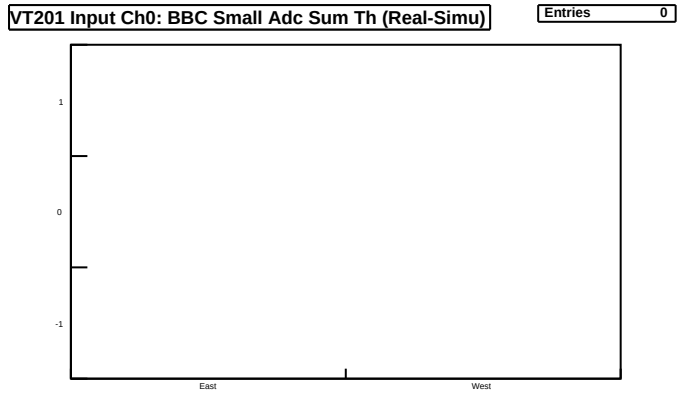

zdcAdcSum
Entries 8952228
1
0
57987
7027
29
20
8
3
151145
8095
101
84
61
55
688032
738892
745990
745999
746011
746016
594674
737924
745918
745935
745958
745984
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

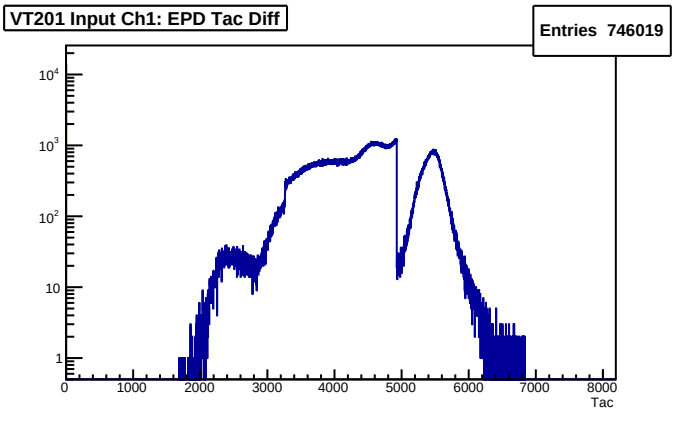

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

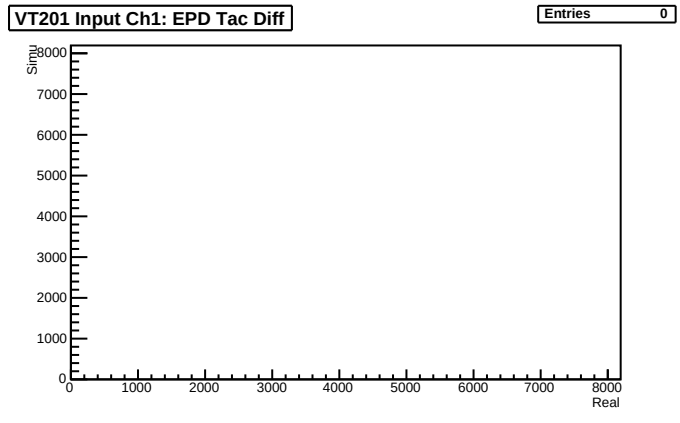

VT201 Input Ch0: BBC Small Tac Diff
Entries 746019
Tac

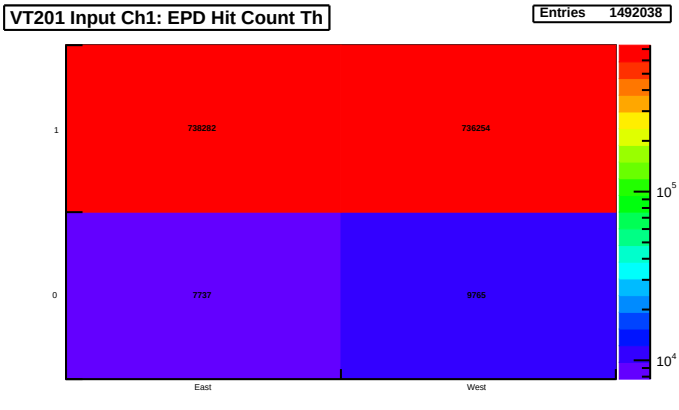

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

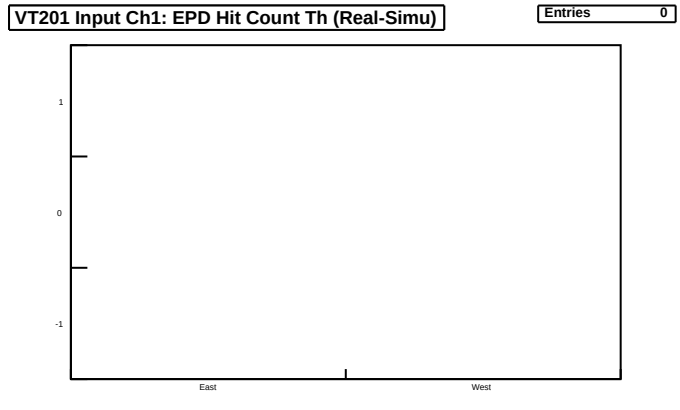

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1492038
459208
648987
286811
97032
East
West

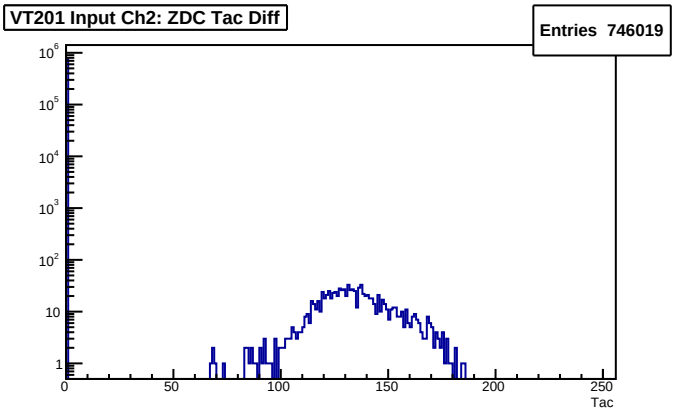

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

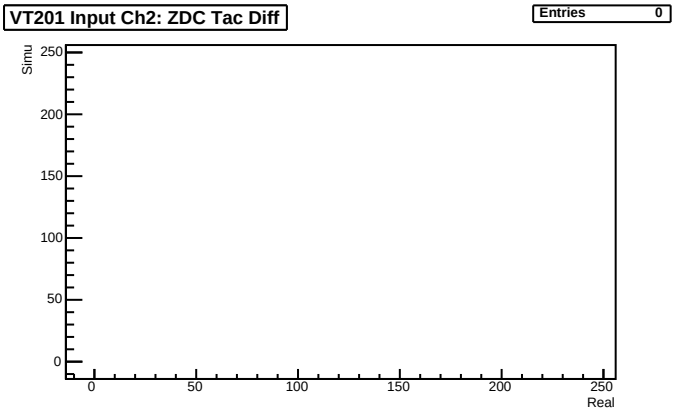

VT201 Input Ch1: EPD Tac Diff
Entries 746019
Tac

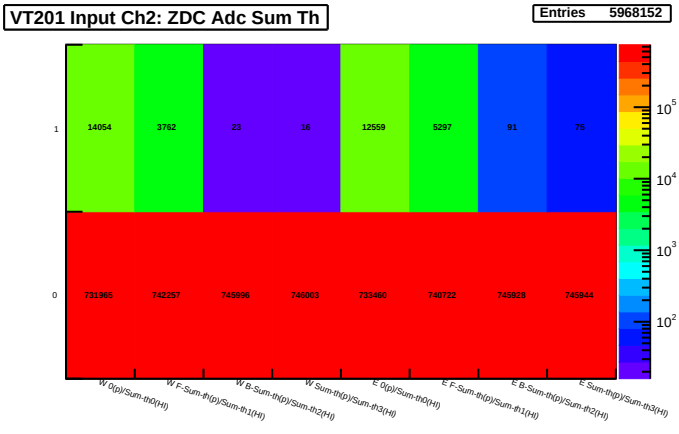

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

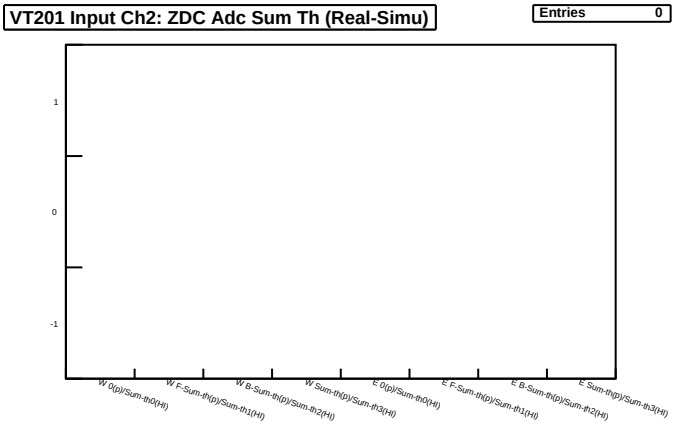

VT201 Input Ch1: EPD Hit Count Th
Entries 1492038
738282
736254
7737
9765
East
West

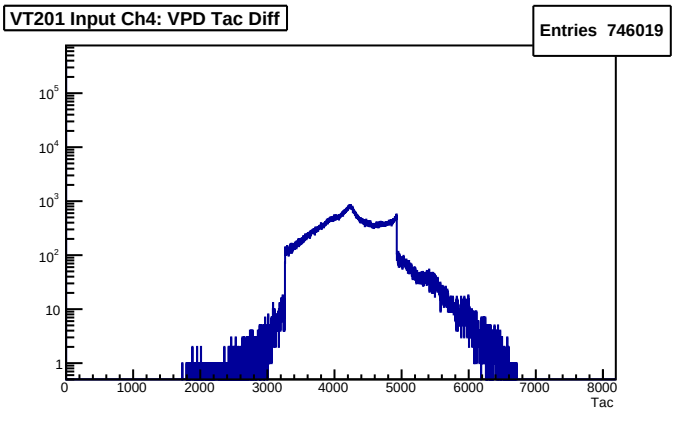

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

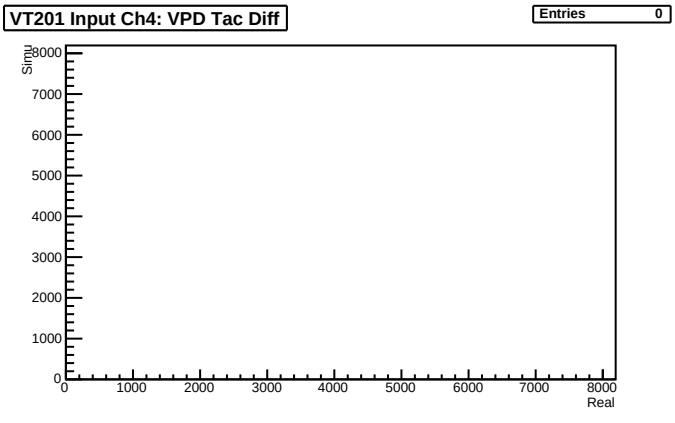

VT201 Input Ch2: ZDC Tac Diff
Entries 746019
Tac

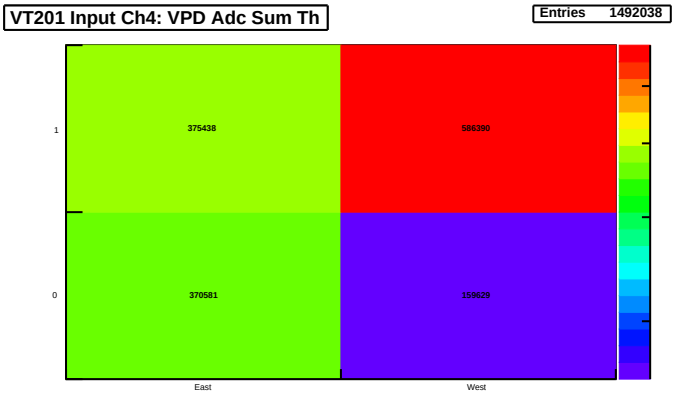

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

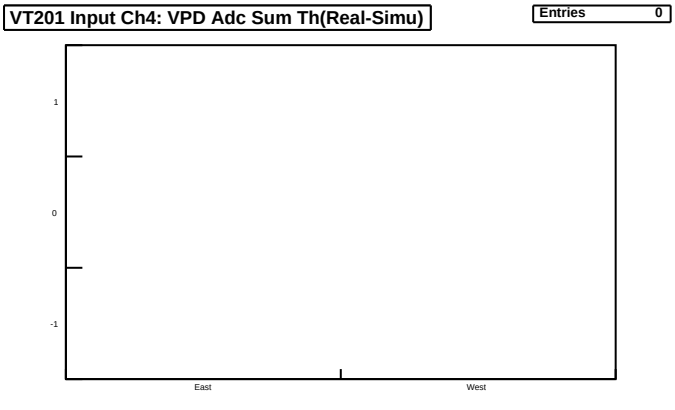

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5968152
14054
3762
23
16
12559
5297
91
75
731965
742257
745996
746003
733460
740722
745928
745944
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

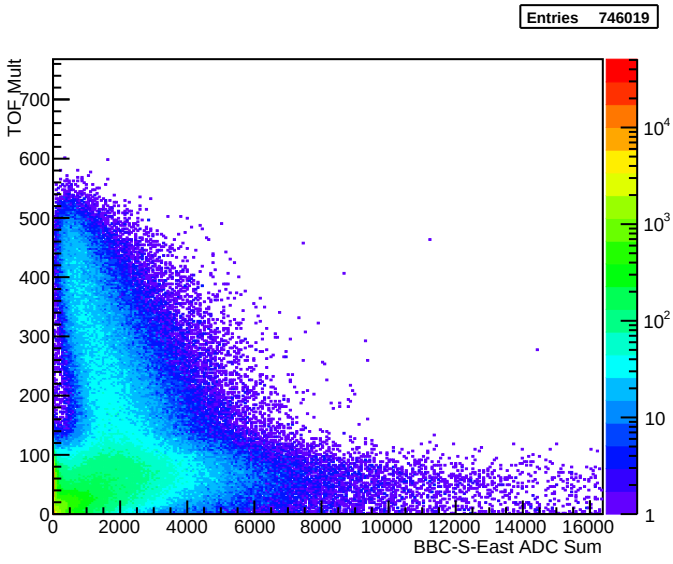

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

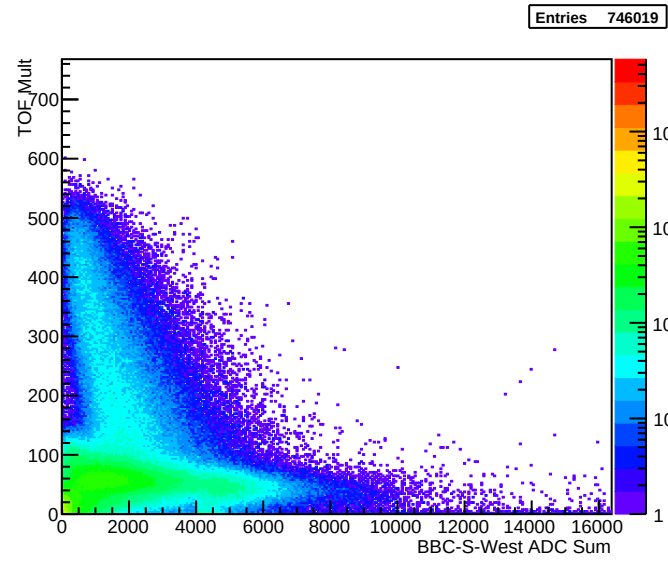

VT201 Input Ch4: VPD Tac Diff
Entries 746019
Tac

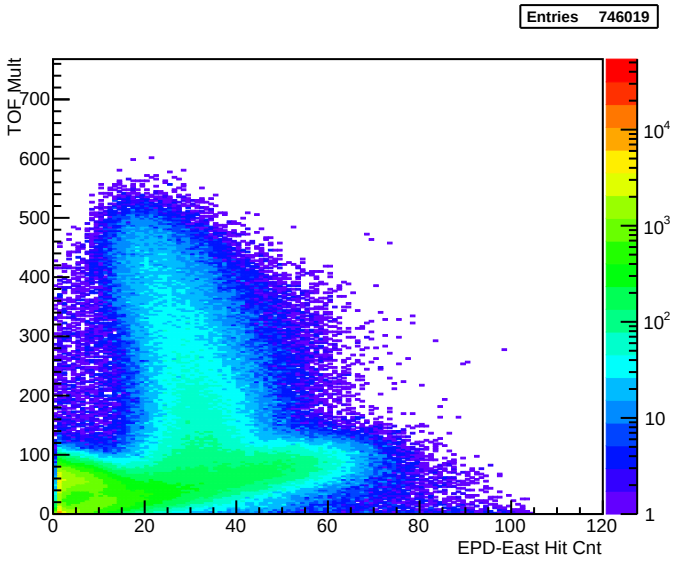

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

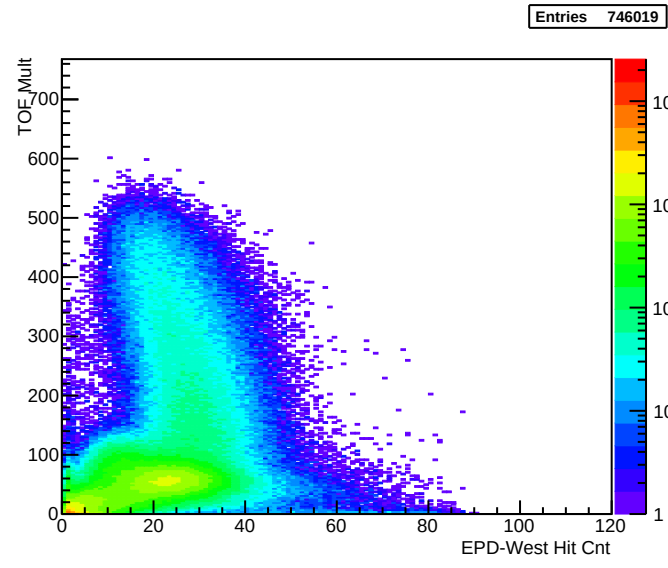

VT201 Input Ch4: VPD Adc Sum Th
Entries 1492038
375438
586390
370581
159629
East
West

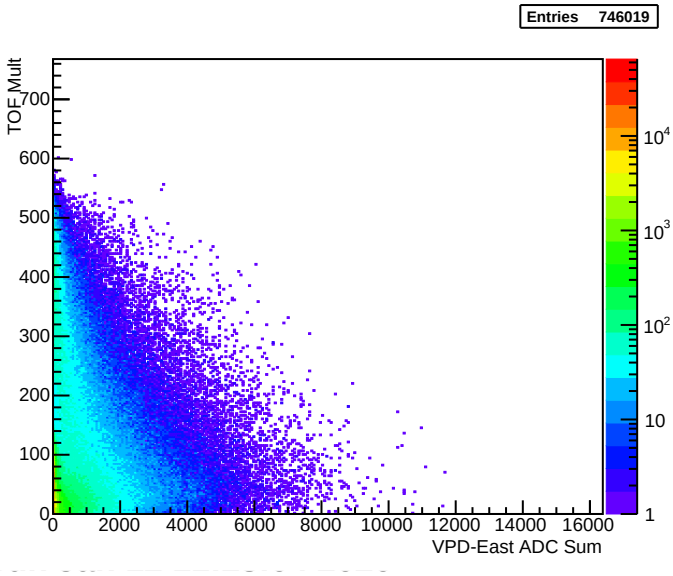

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

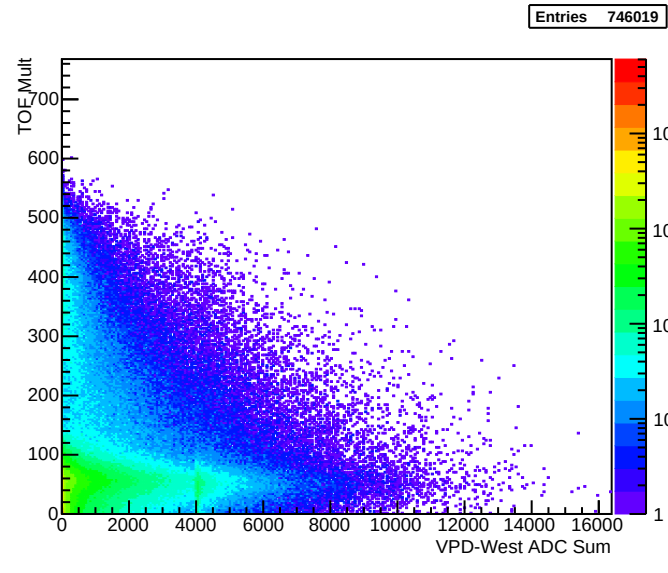

Entries 746019
TOF_Mult
BBC-S-East ADC Sum

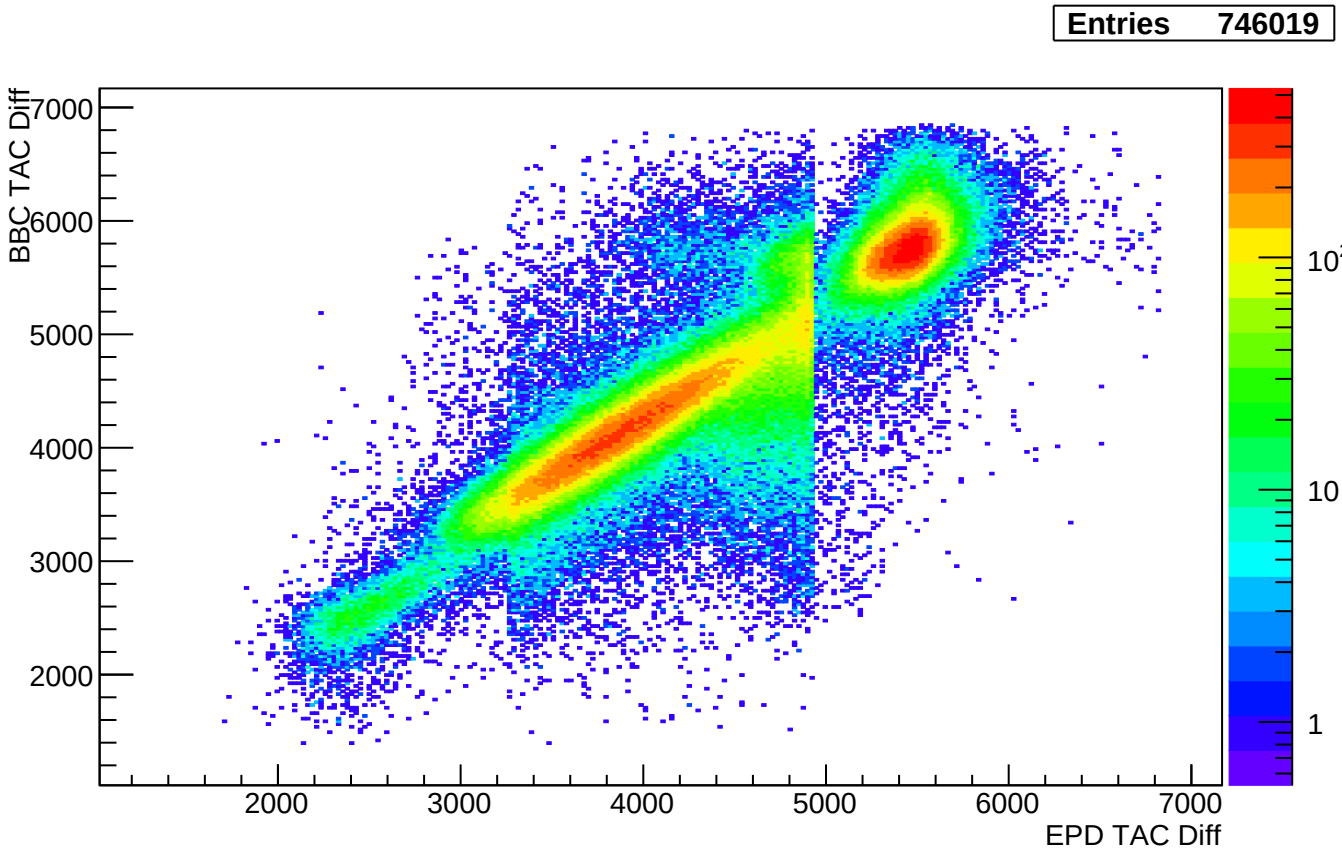

Entries 746019
TOF_Mult
BBC-S-West ADC Sum

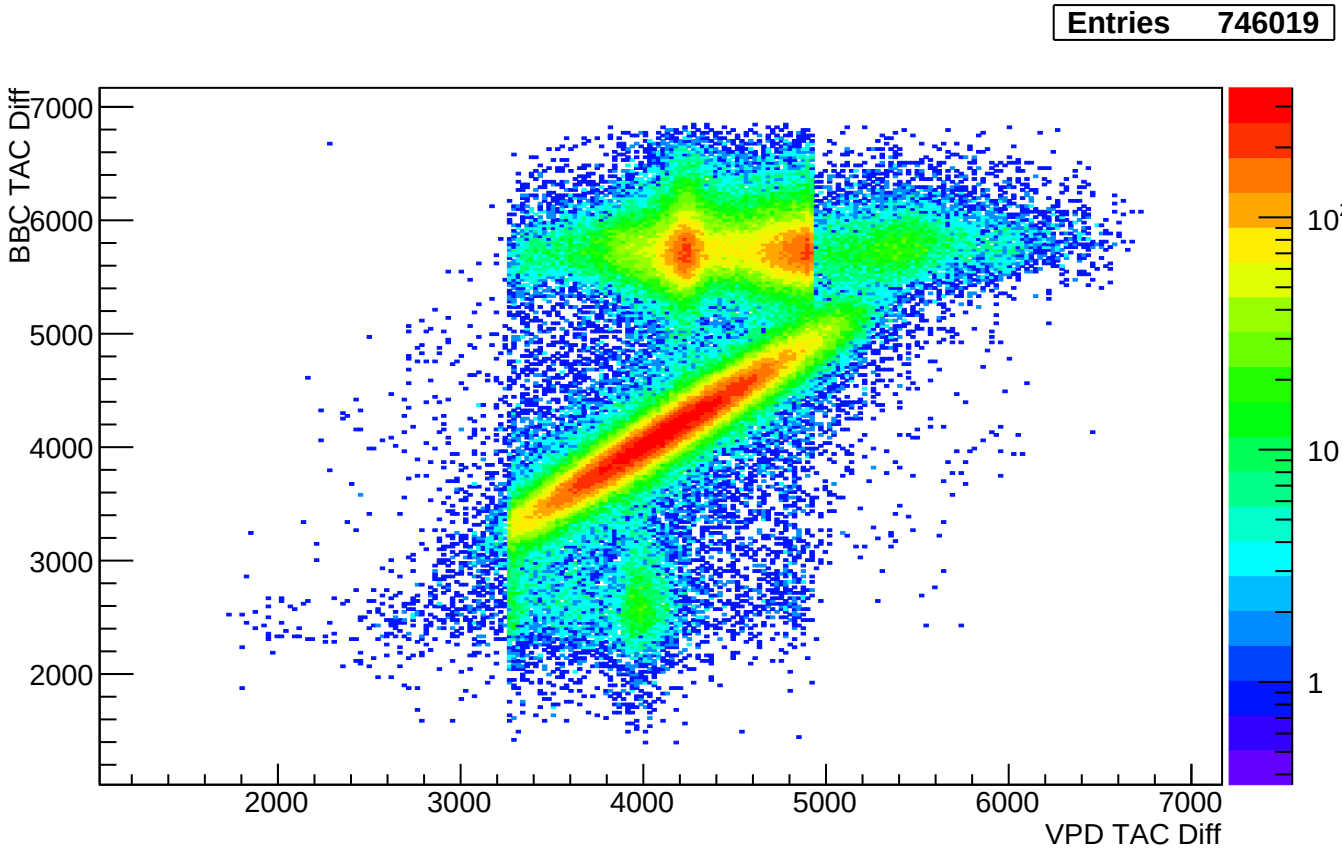

Entries 746019
TOF_Mult
EPD-East Hit Cnt

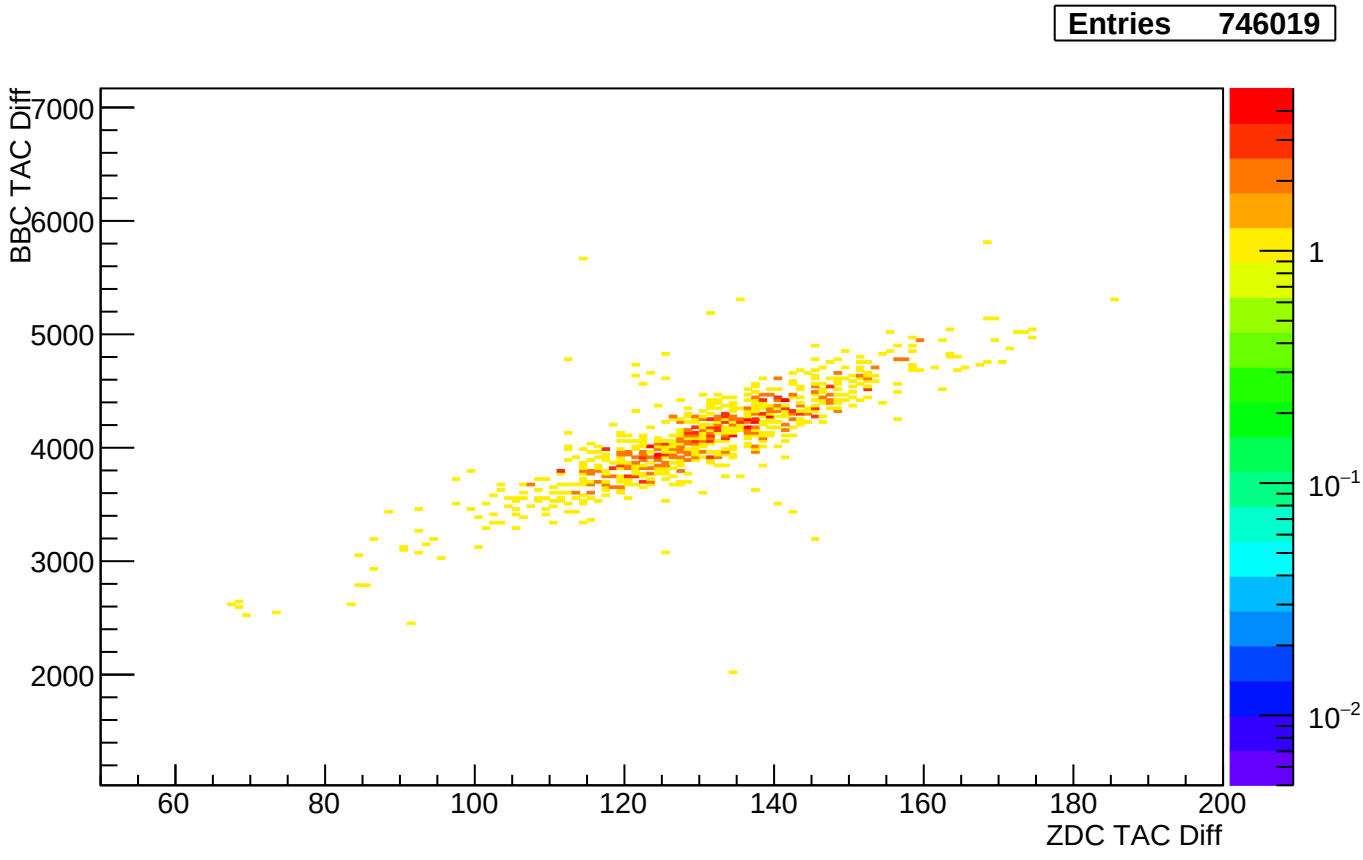

Entries 746019
TOF_Mult
EPD-West Hit Cnt

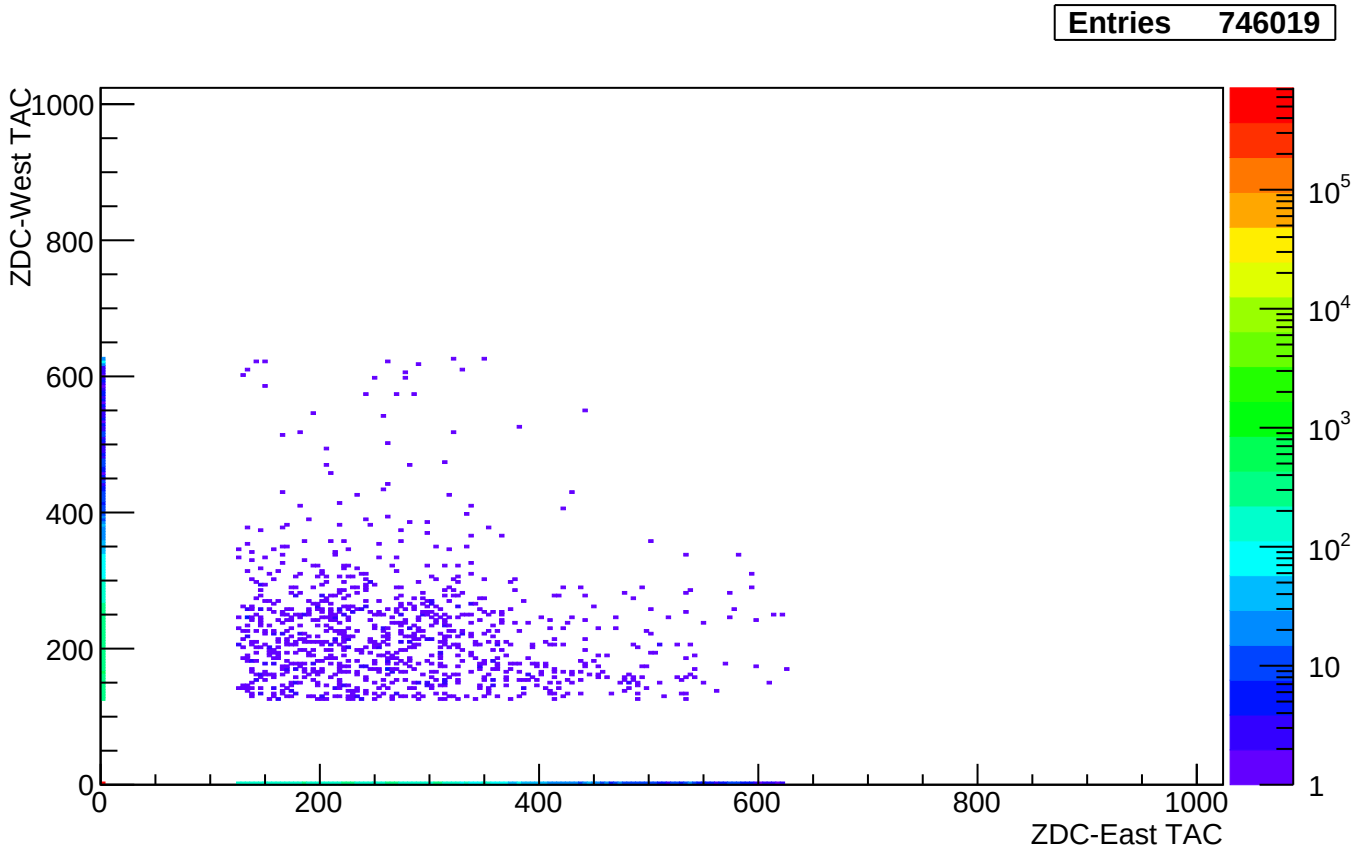

Entries 746019
TOF_Mult
VPD-East ADC Sum

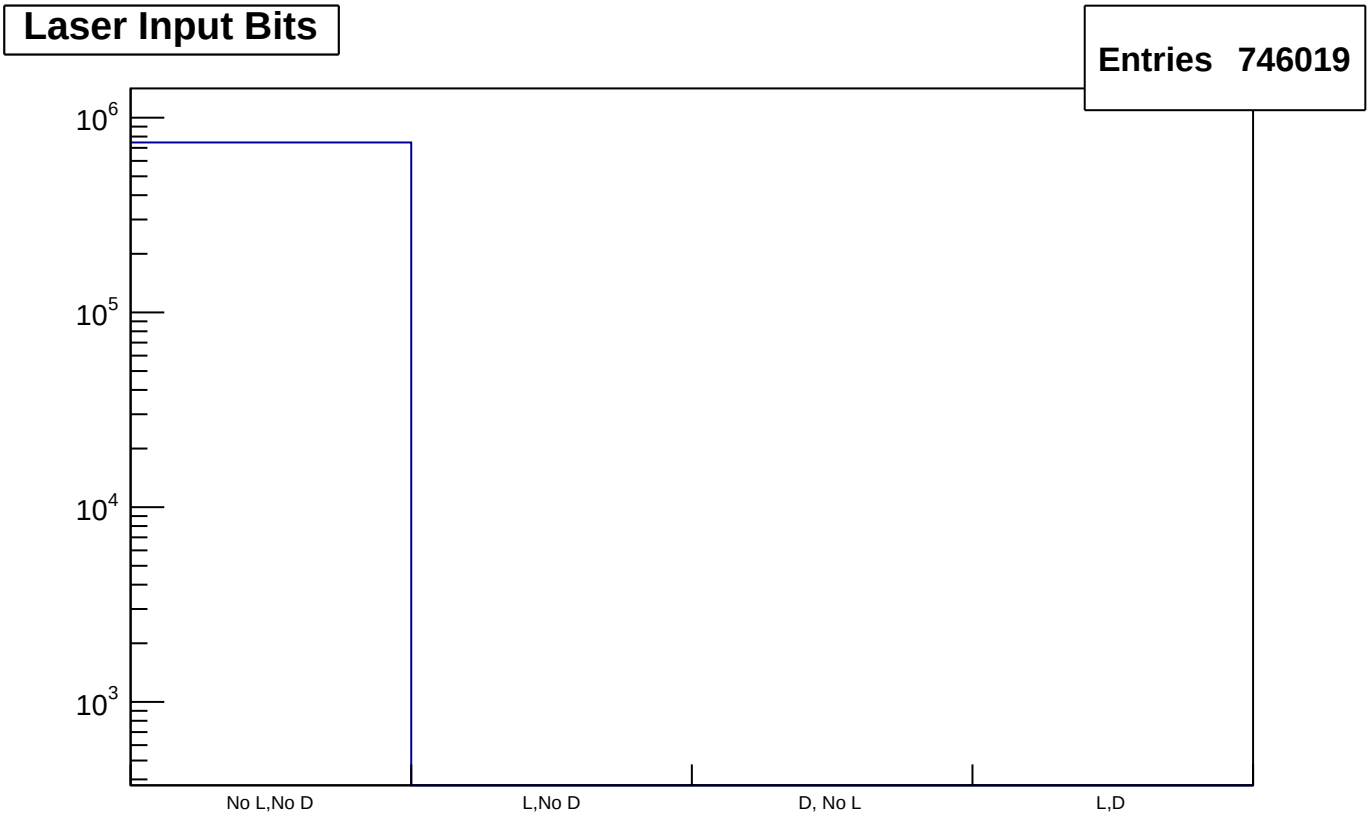

Entries 746019
TOF_Mult
VPD-West ADC Sum

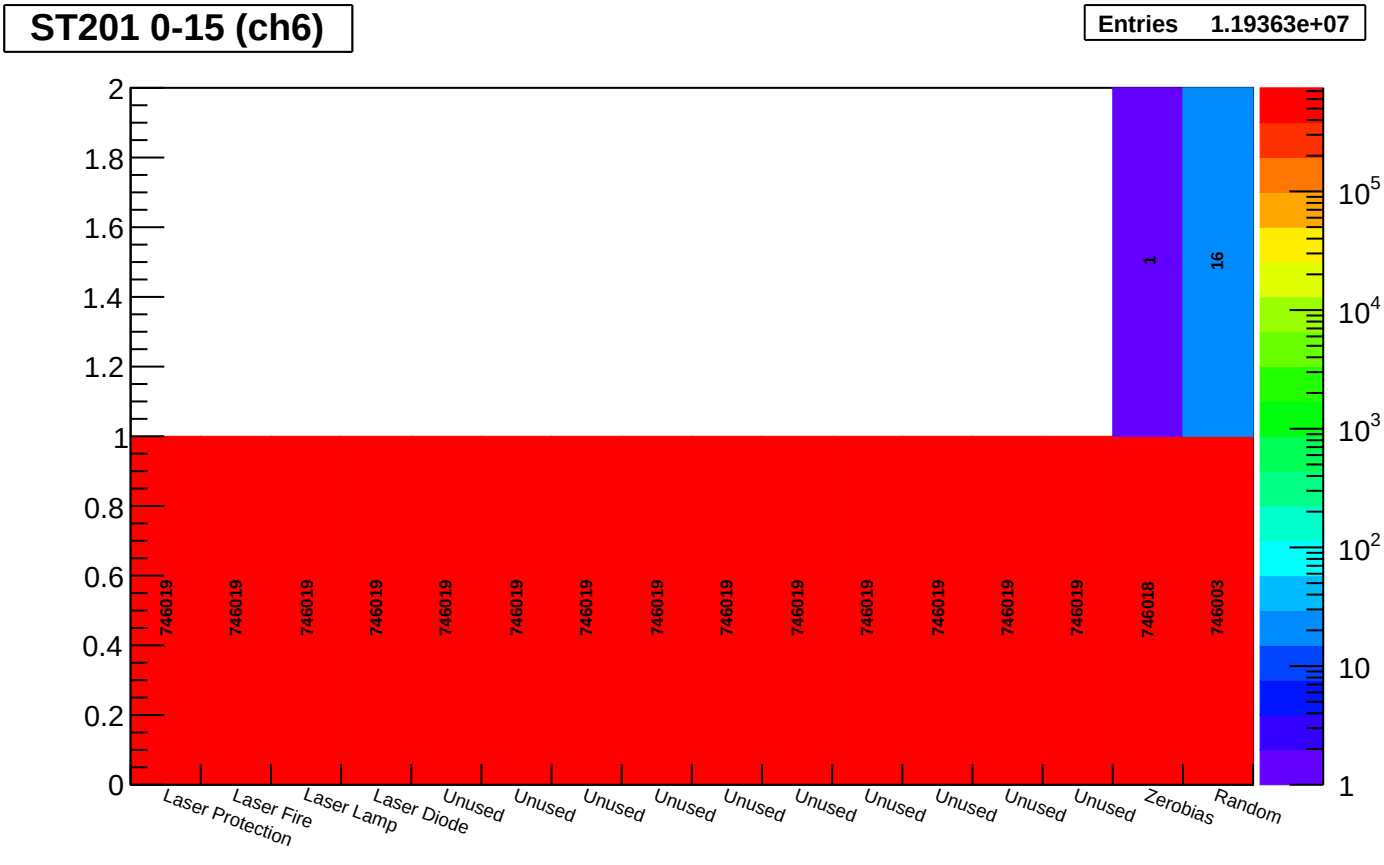

Entries 746019
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

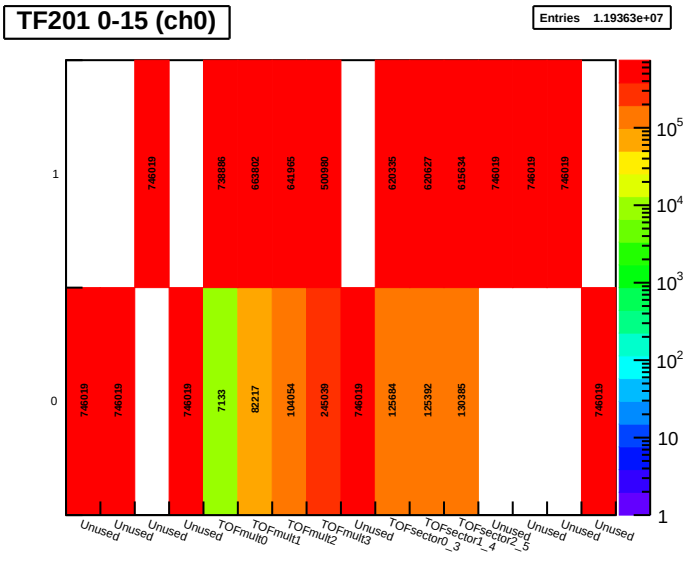

Entries 746019
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

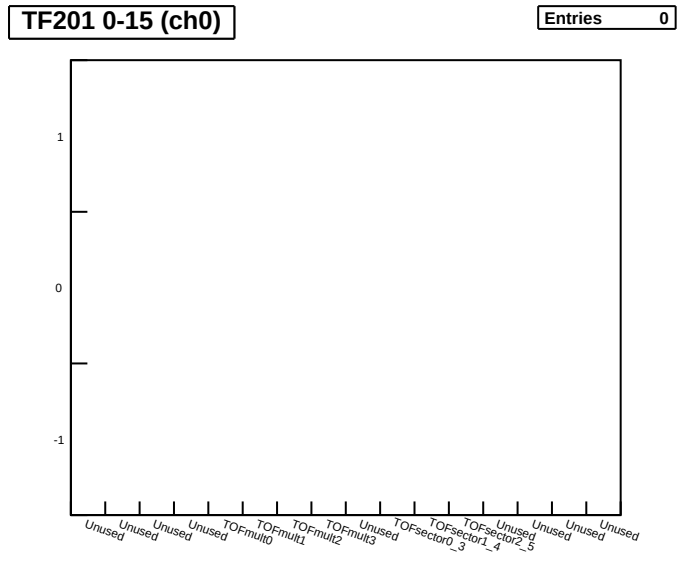

Entries 746019
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

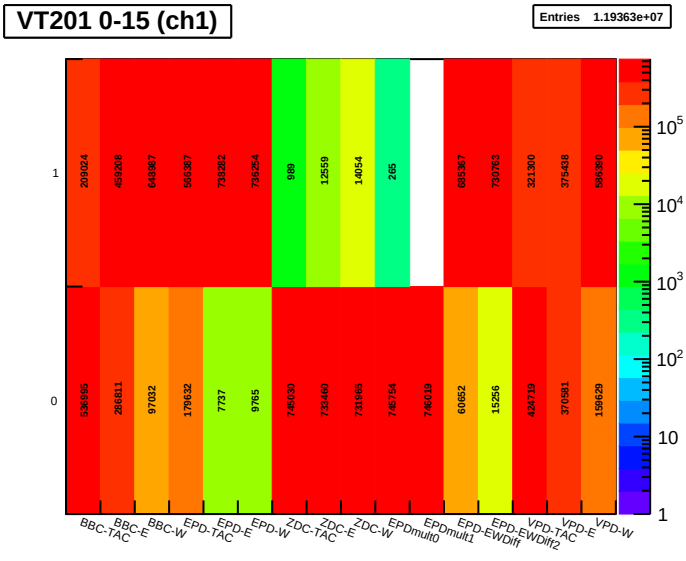

Entries 746019
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

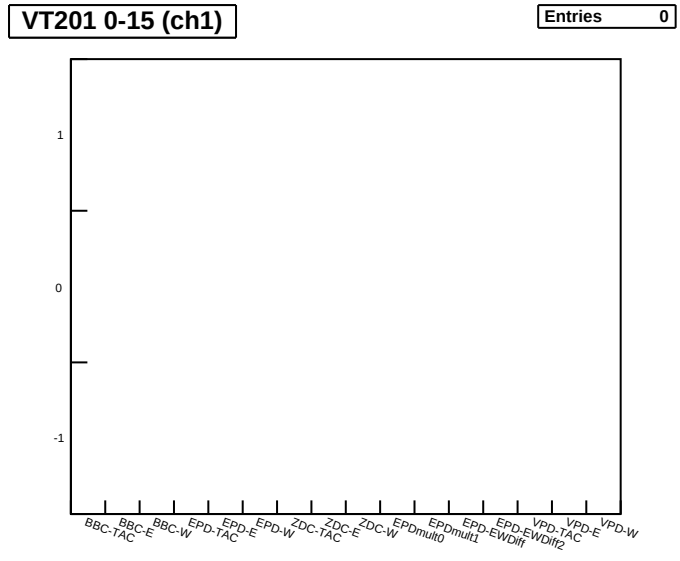

Laser Input Bits
Entries 746019
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

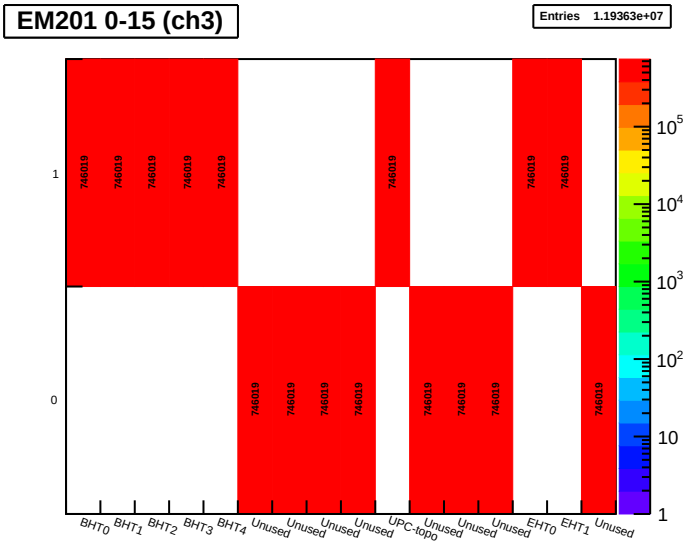

ST201 0-15 (ch6)
Entries 1.19363e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746018
746003
1
16
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

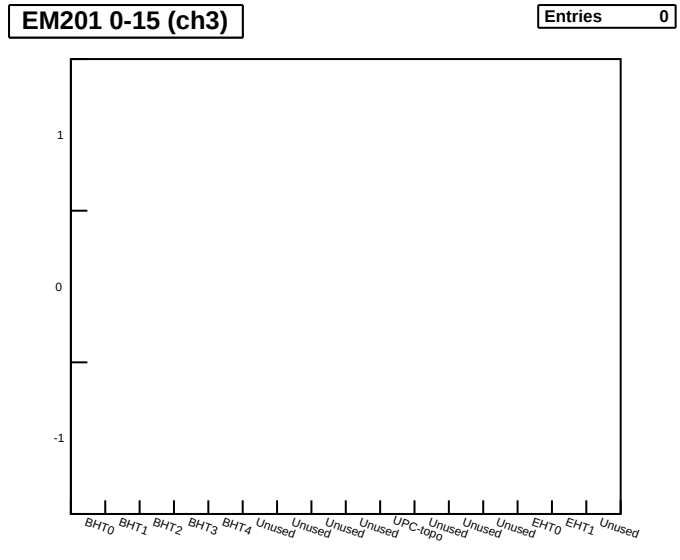

TF201 0-15 (ch0)
Entries 1.19363e+07
1
0
746019
738986
663802
641965
500980
620335
620627
615634
746019
746019
746019
746019
746019
7133
82217
104054
245039
746019
125684
125392
130385
746019
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 1.19363e+07
1
0
209024
459208
649987
566387
738282
736254
989
12559
14054
265
685367
730763
321300
375438
586380
536995
286811
97032
179632
7737
9765
745030
733460
731965
745754
746019
60652
15256
424719
370581
159629
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 1.19363e+07
1
0
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
746019
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