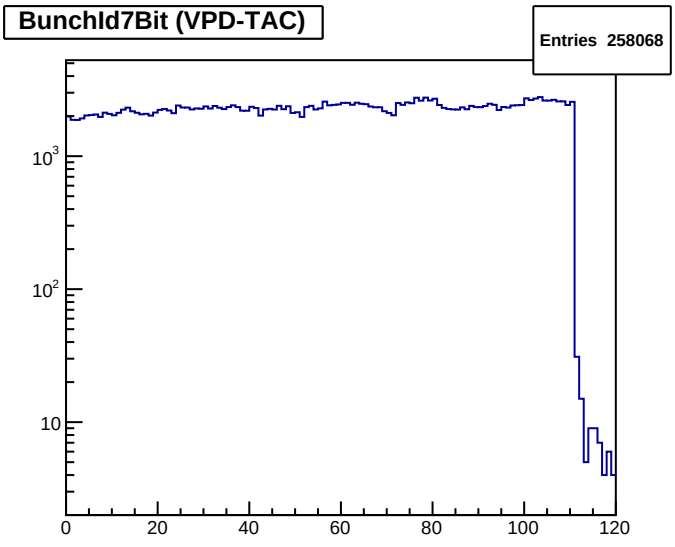
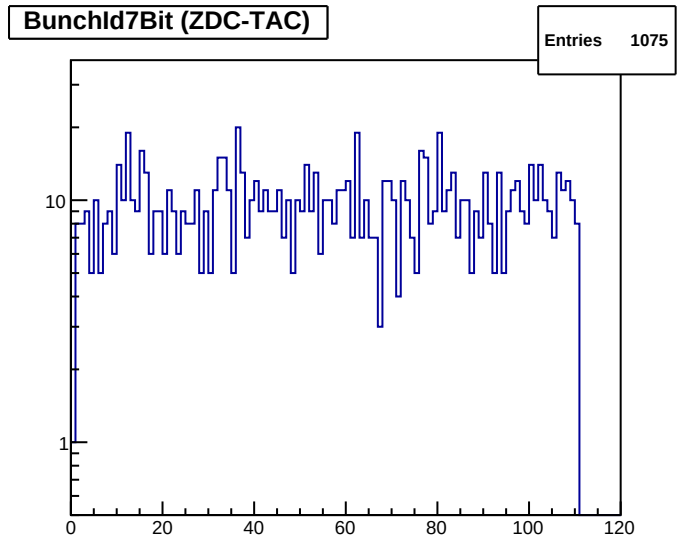
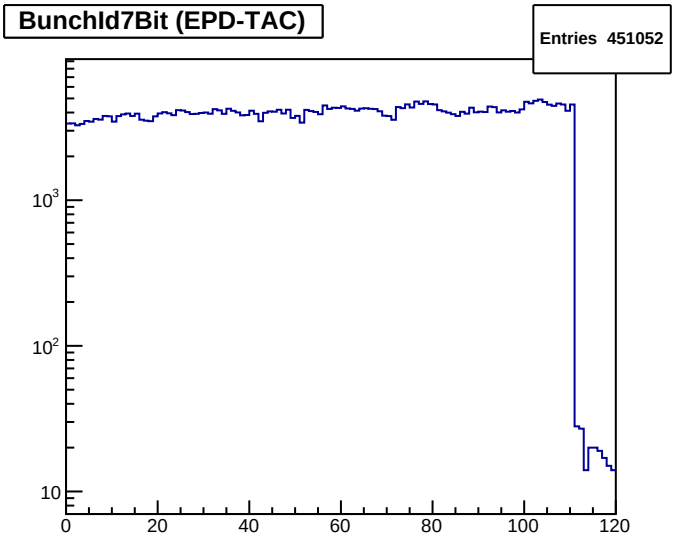
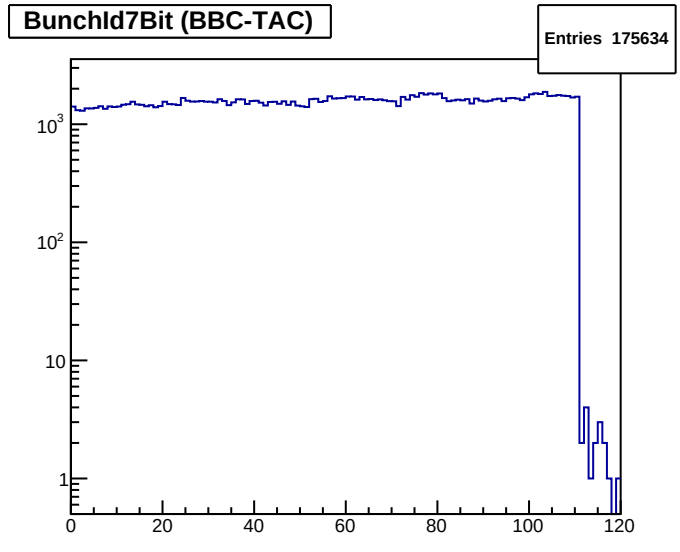
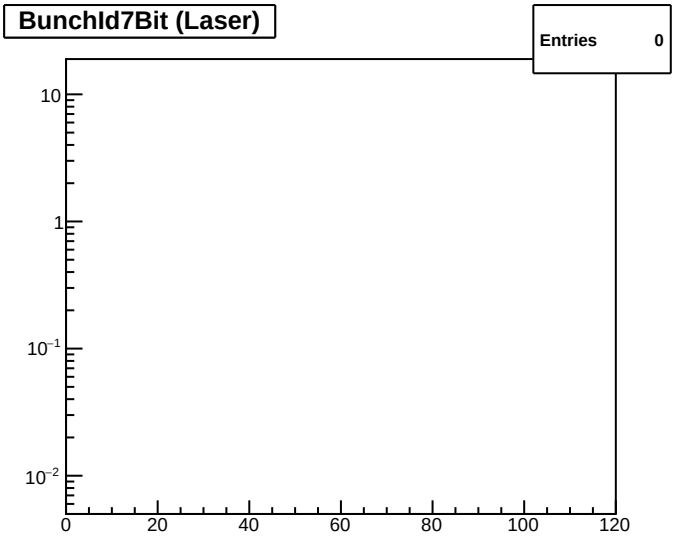
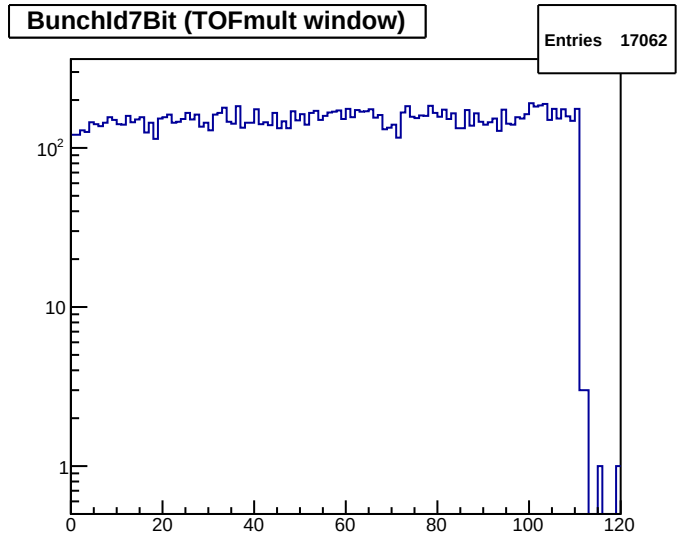

BunchId7Bit (VPD-TAC)
Entries 258068
10^3
10^2
10
0 20 40 60 80 100 120

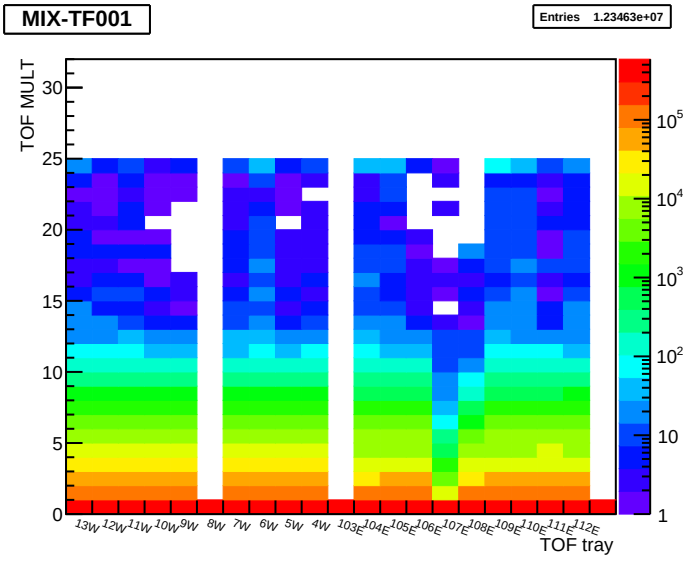

BunchId7Bit (ZDC-TAC)
Entries 1075
10
1
0 20 40 60 80 100 120

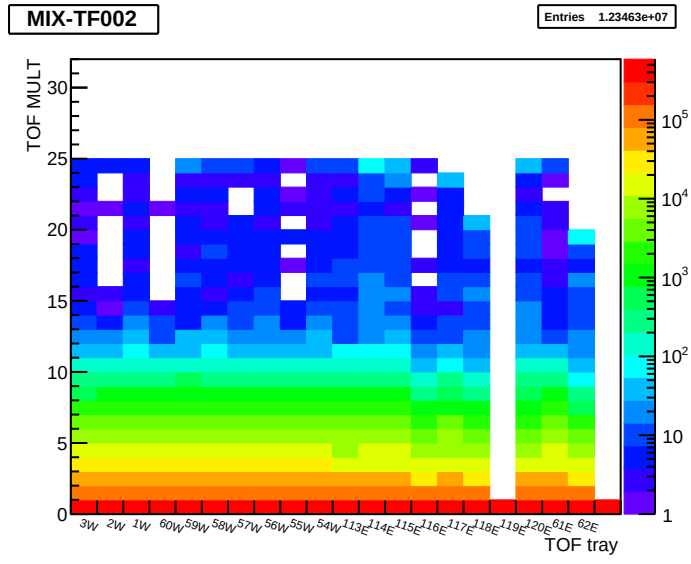

BunchId7Bit (EPD-TAC)
Entries 451052
10^3
10^2
10
0 20 40 60 80 100 120

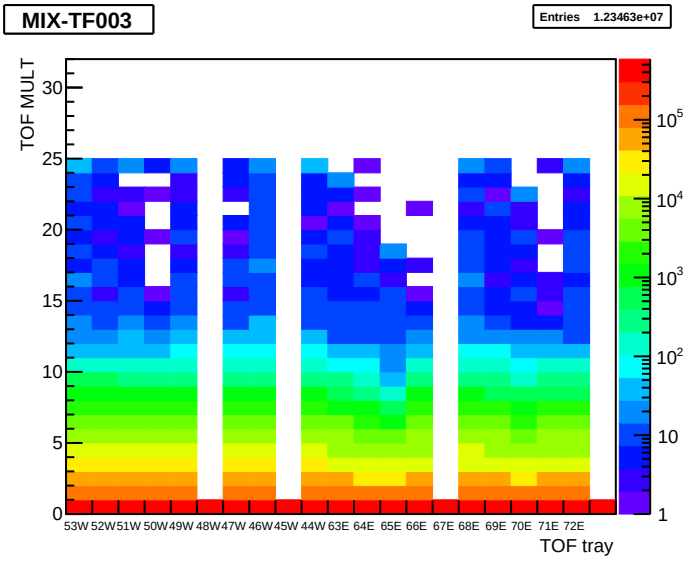

BunchId7Bit (BBC-TAC)
Entries 175634
10^3
10^2
10
1
0 20 40 60 80 100 120

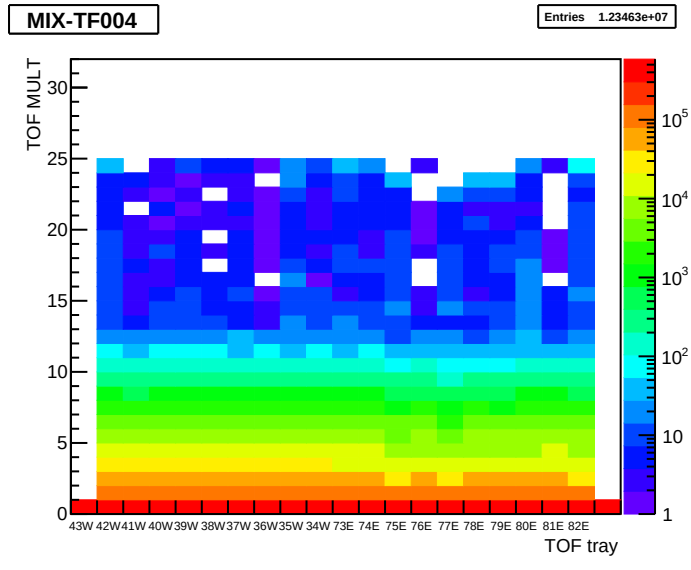

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

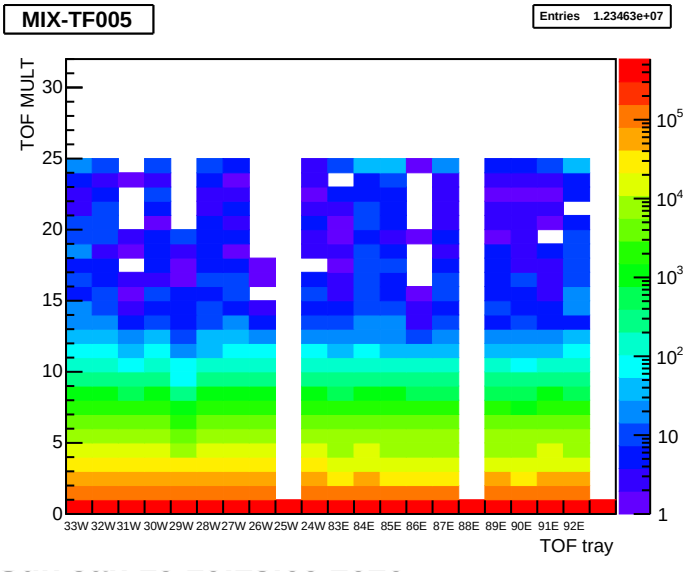

BunchId7Bit (TOFmult window)
Entries 17062
10^2
10
1
0 20 40 60 80 100 120

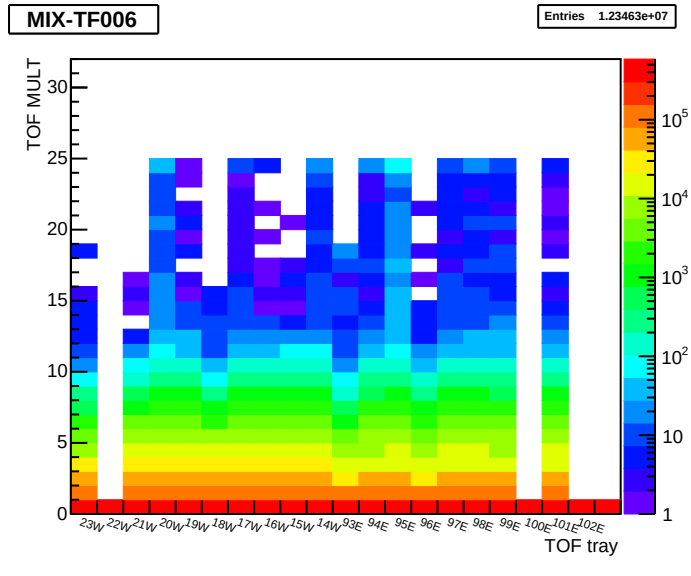

MIX-TF001
Entries 1.23463e+07
TOF MULT
TOF tray

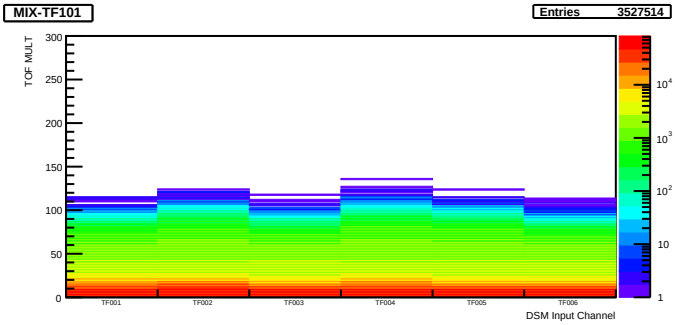

MIX-TF002
Entries 1.23463e+07
TOF MULT
TOF tray

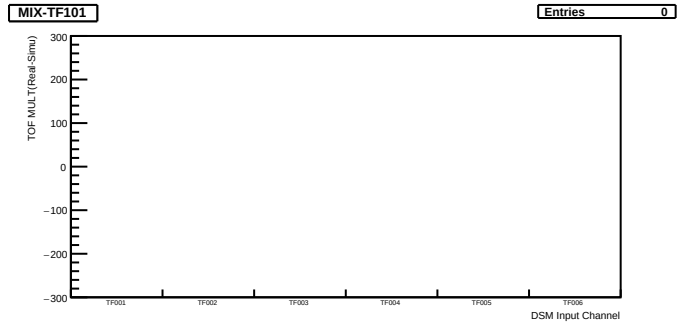

MIX-TF003
Entries 1.23463e+07
TOF MULT
TOF tray

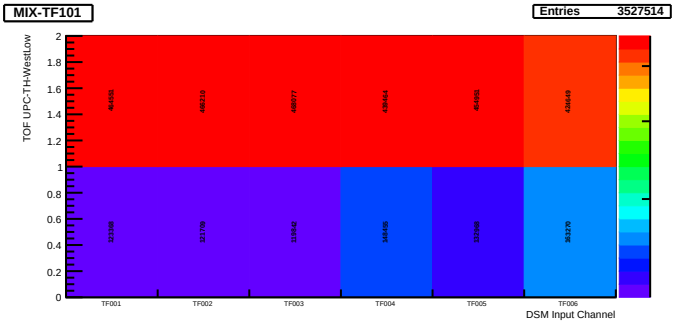

MIX-TF004
Entries 1.23463e+07
TOF MULT
TOF tray

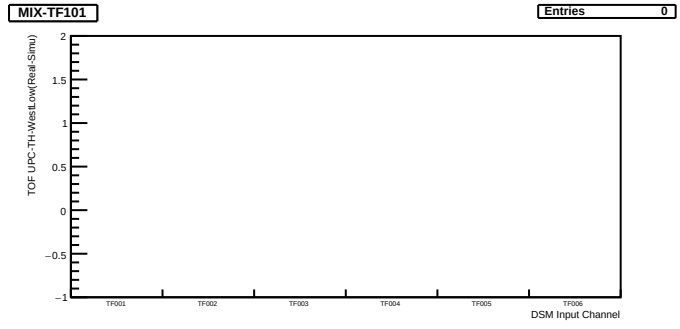

MIX-TF005
Entries 1.23463e+07
TOF MULT
TOF tray

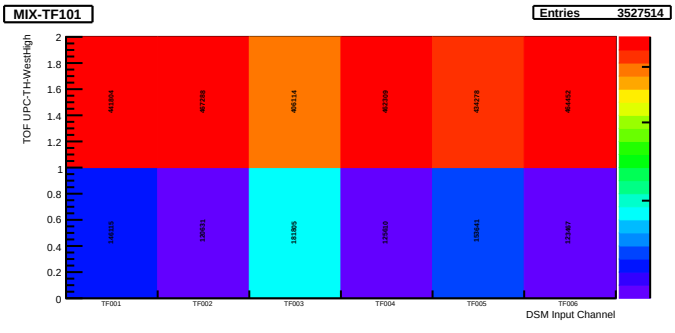

MIX-TF006
Entries 1.23463e+07
TOF MULT
TOF tray

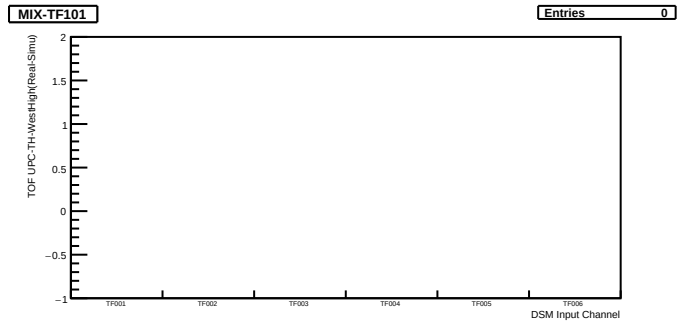

MIX-TF101
Entries 3527514
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

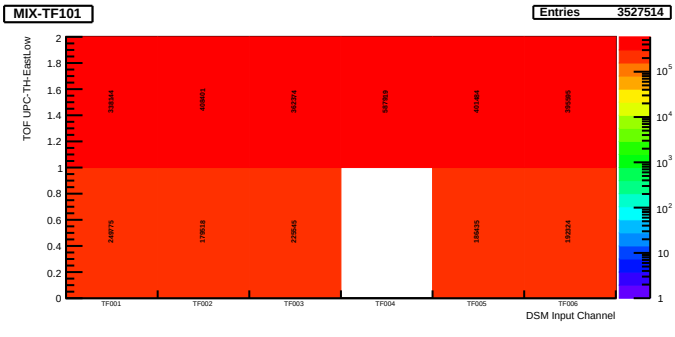

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

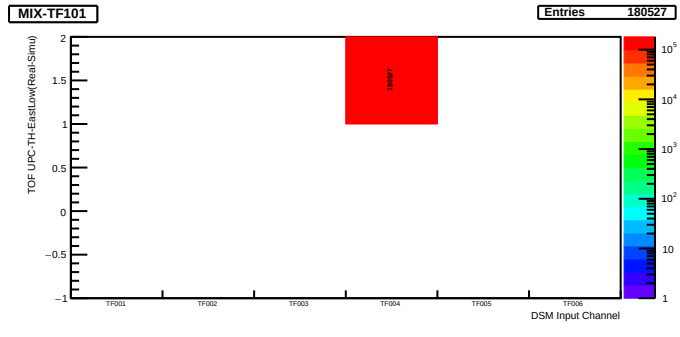

MIX-TF101
Entries 3527514
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

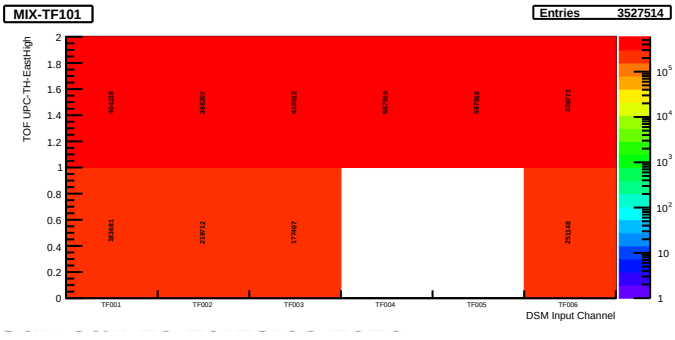

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

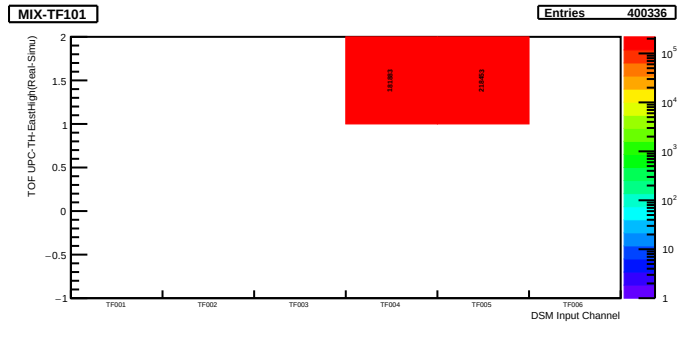

MIX-TF101
Entries 3527514
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

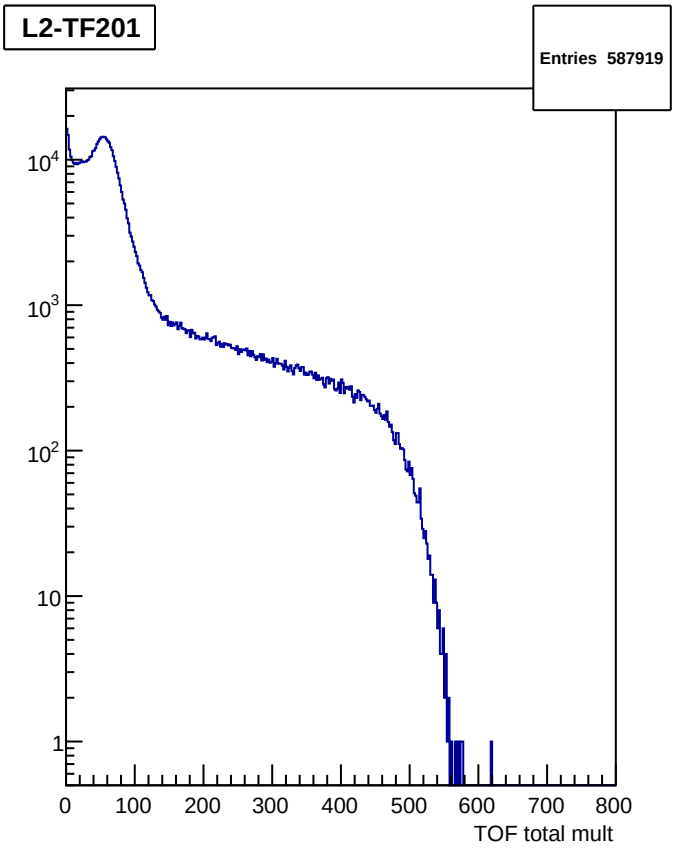

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

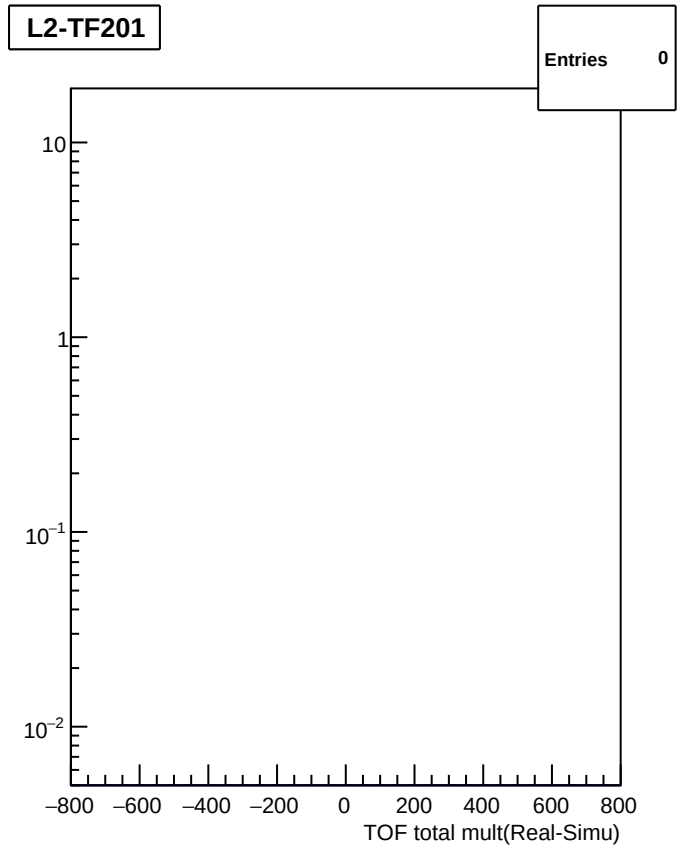

MIX-TF101
Entries 3527514
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

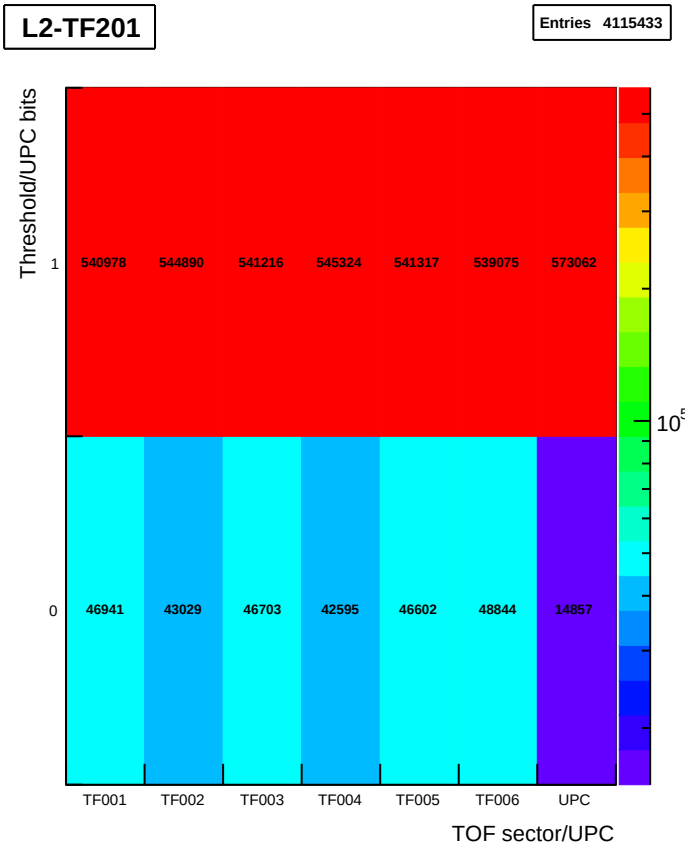

MIX-TF101
Entries 180527
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

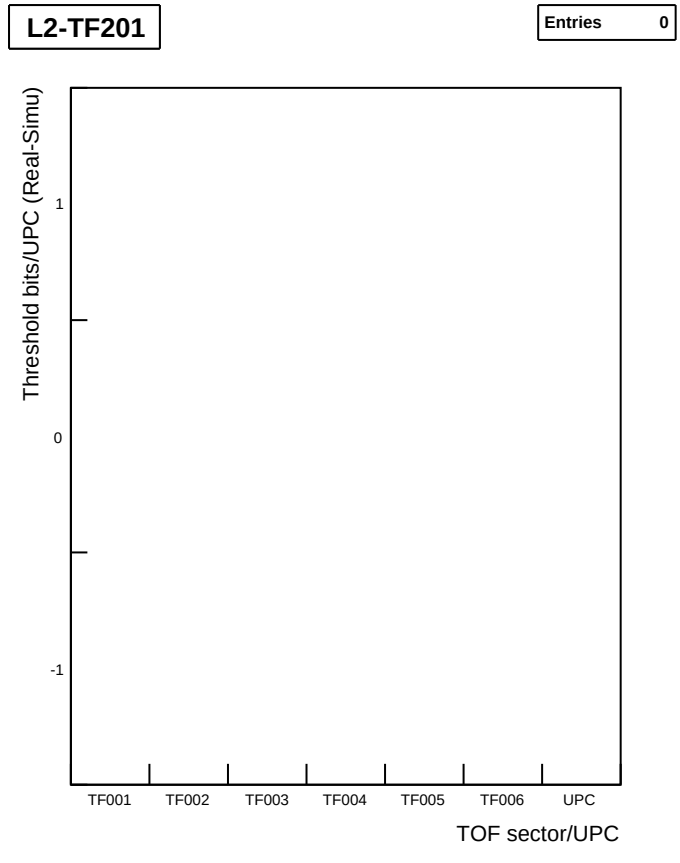

MIX-TF101
Entries 3527514
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

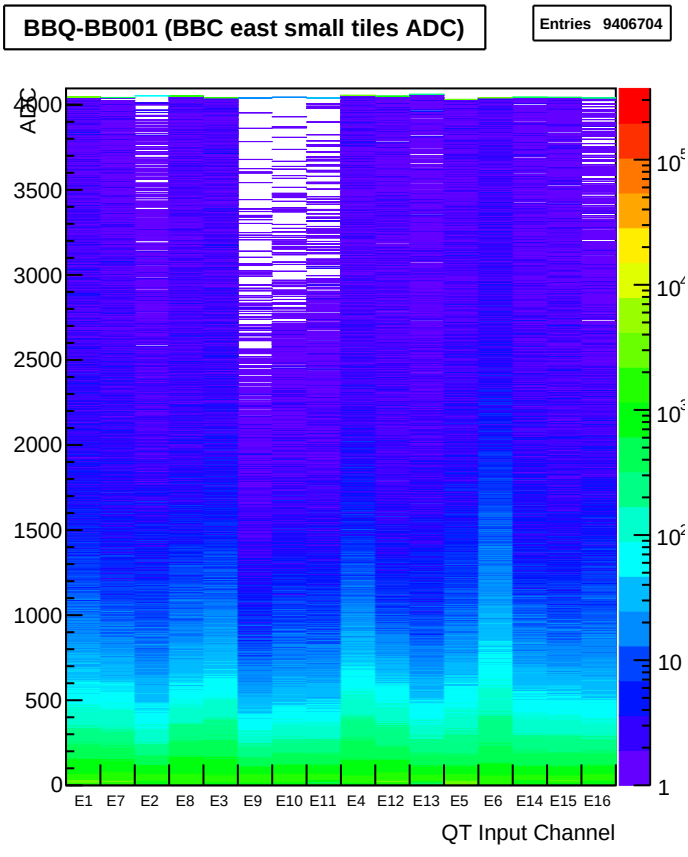

MIX-TF101
Entries 400336
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

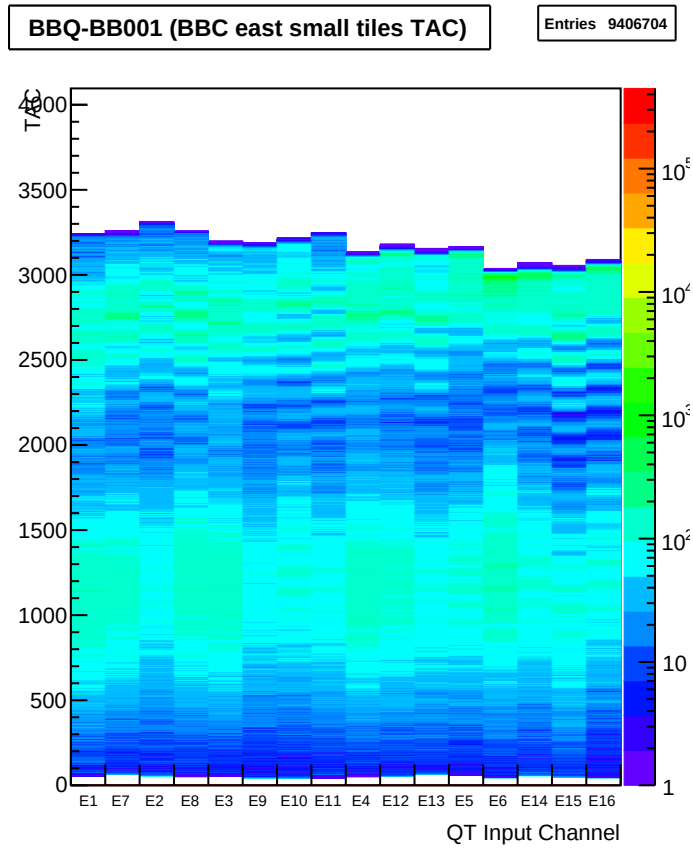

L2-TF201
Entries 587919
TOF total mult

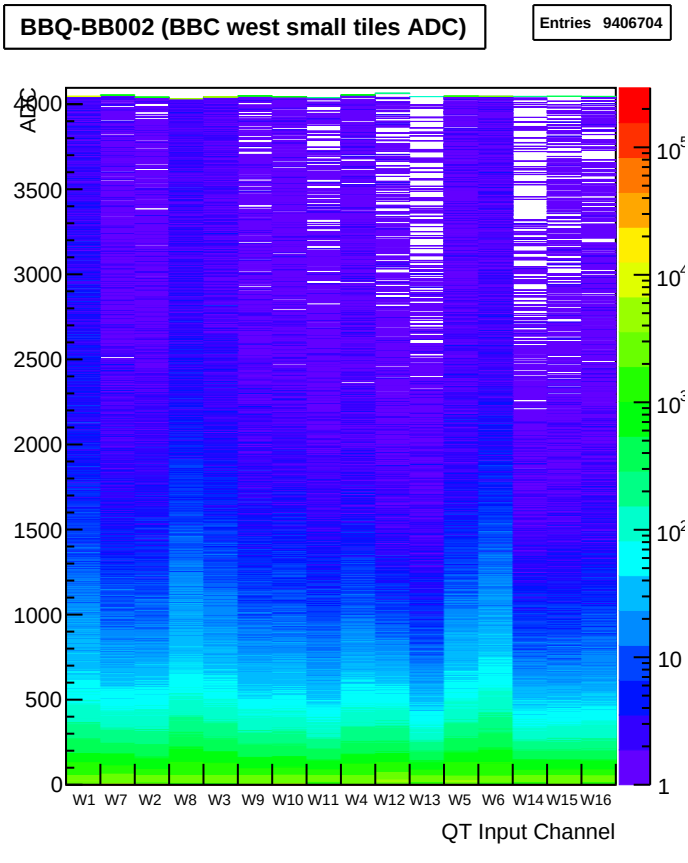

L2-TF201
Entries 0
TOF total mult(Real-Simu)

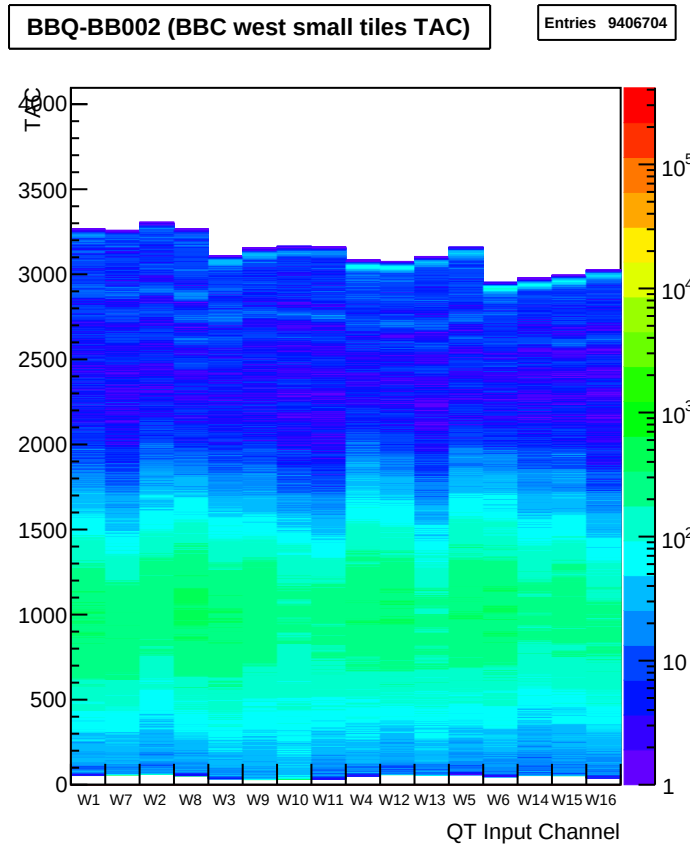

L2-TF201
Entries 4115433
Threshold/UPC bits
540978
544890
541216
545324
541317
539075
573062
46941
43029
46703
42595
46602
48844
14857
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

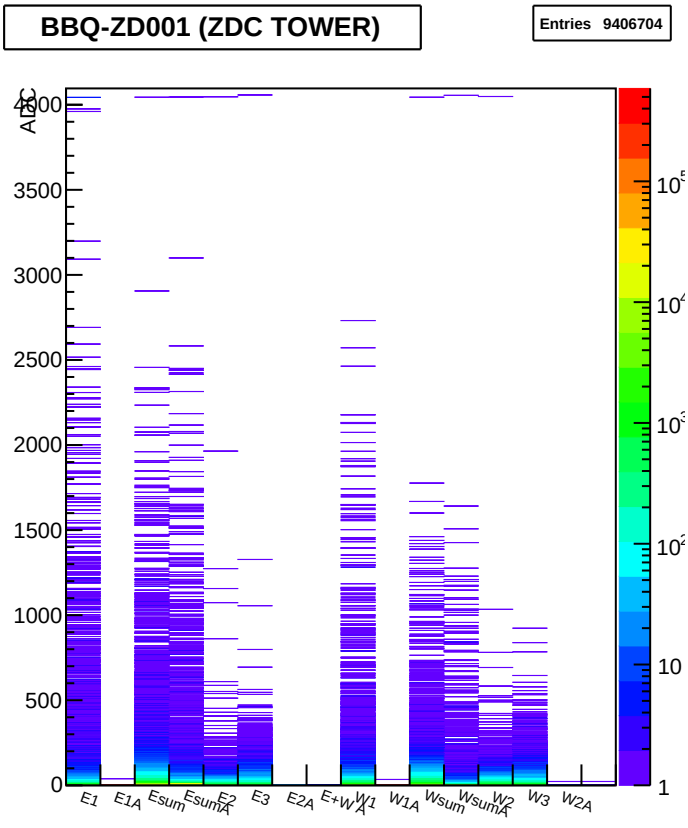

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

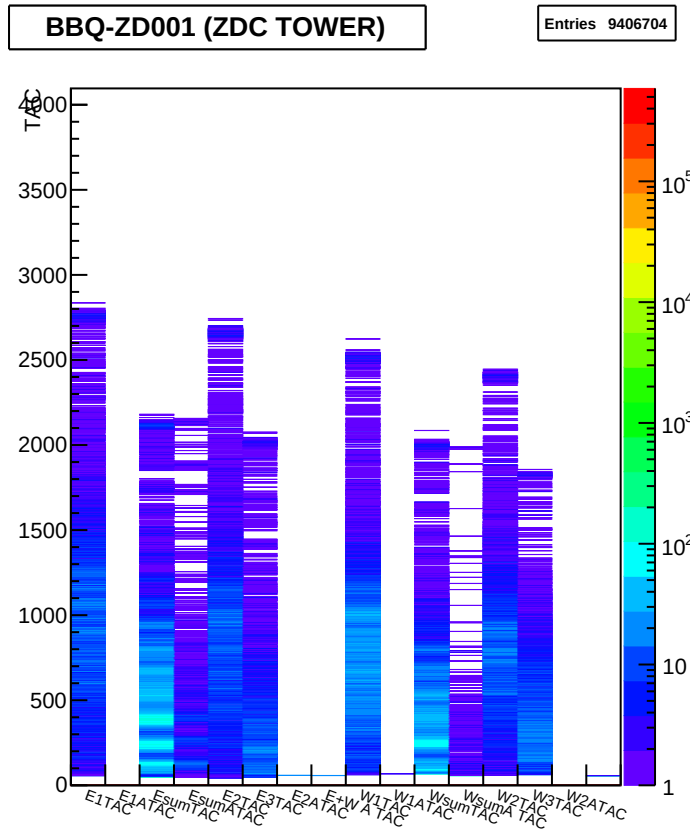

BBQ-BB001 (BBC east small tiles ADC)
Entries 9406704
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

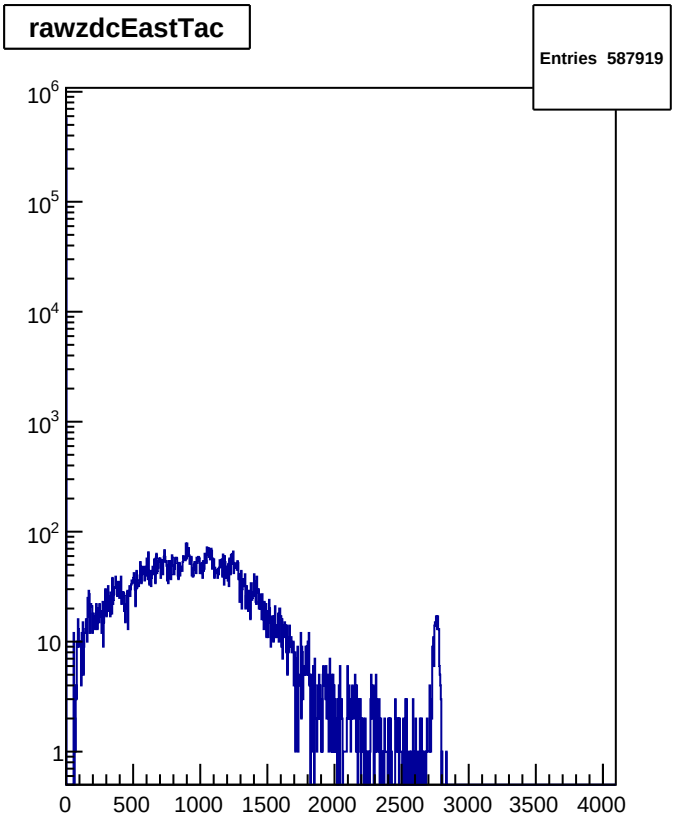

BBQ-BB001 (BBC east small tiles TAC)
Entries 9406704
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

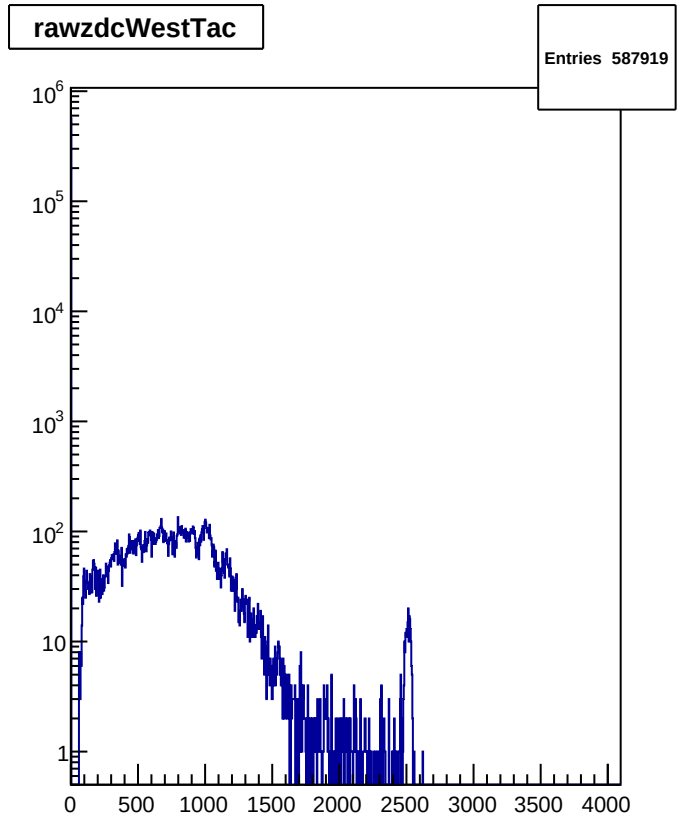

BBQ-BB002 (BBC west small tiles ADC)
Entries 9406704
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

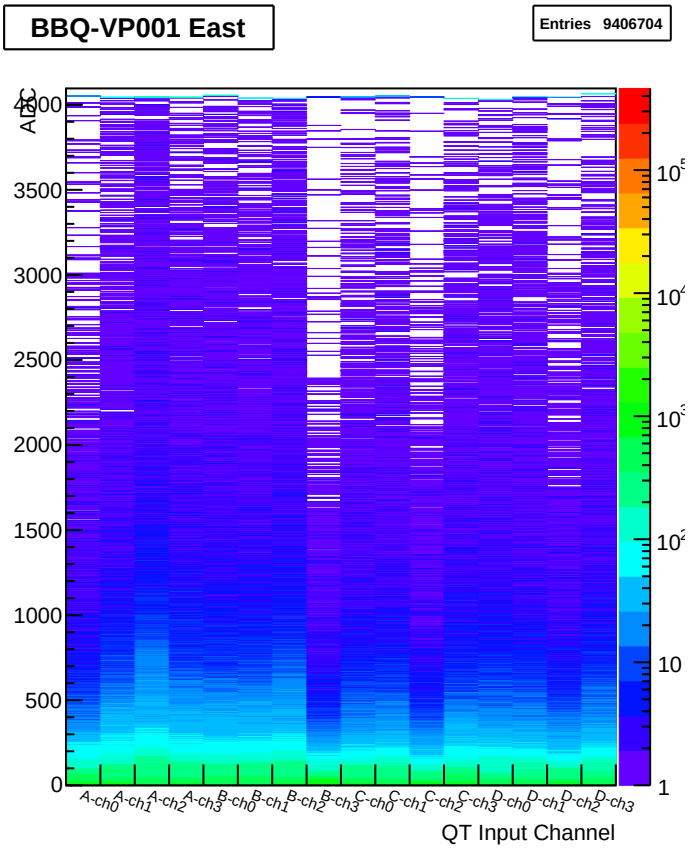

BBQ-BB002 (BBC west small tiles TAC)
Entries 9406704
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

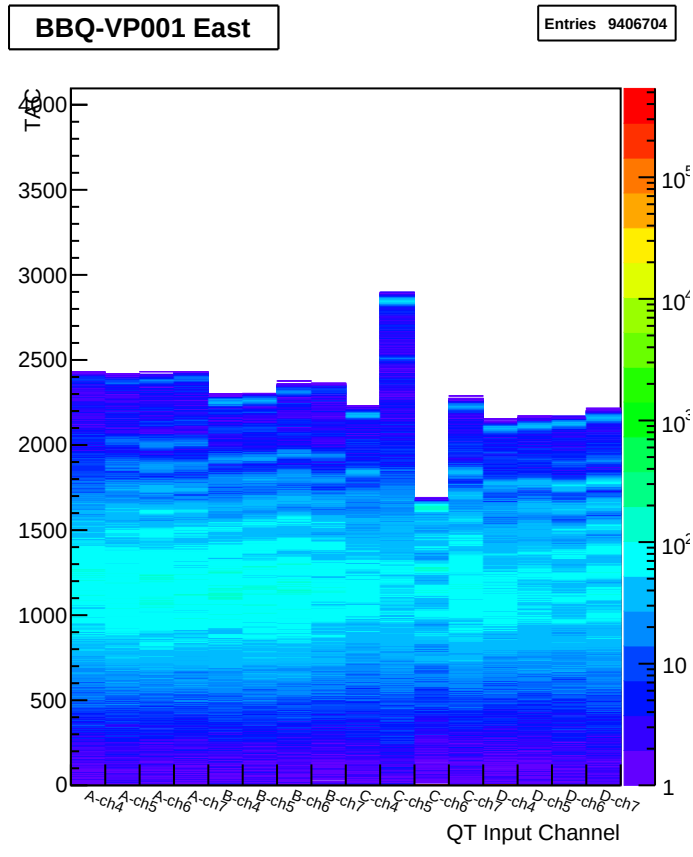

BBQ-ZD001 (ZDC TOWER)
Entries 9406704
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

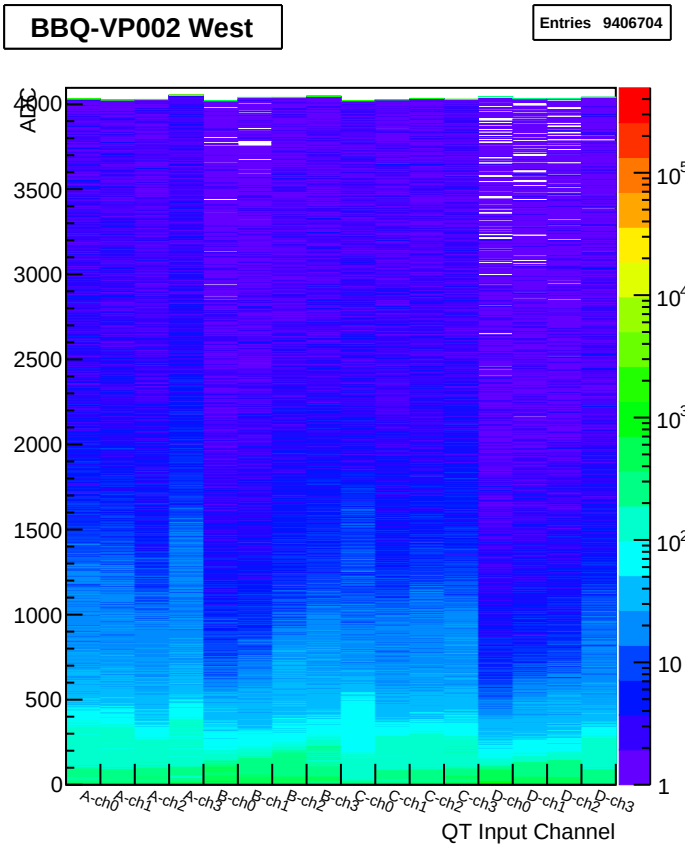

BBQ-ZD001 (ZDC TOWER)
Entries 9406704
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

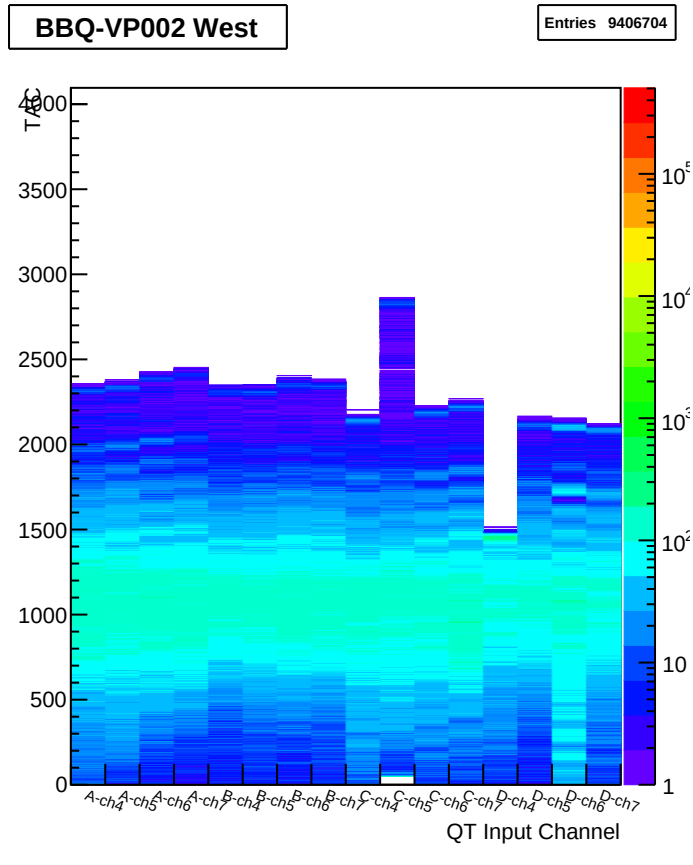

rawzdcEastTac
Entries 587919

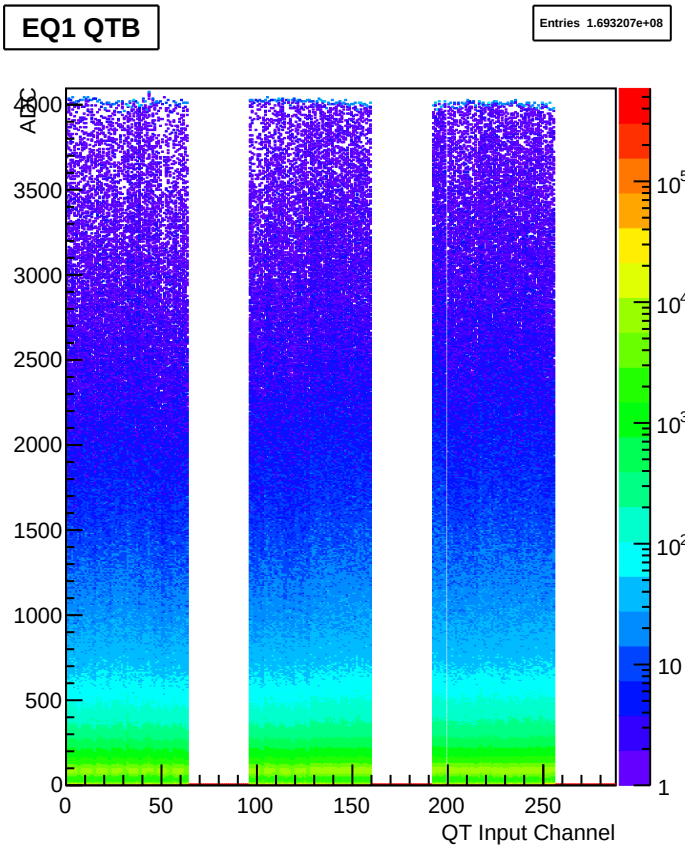

rawzdcWestTac
Entries 587919

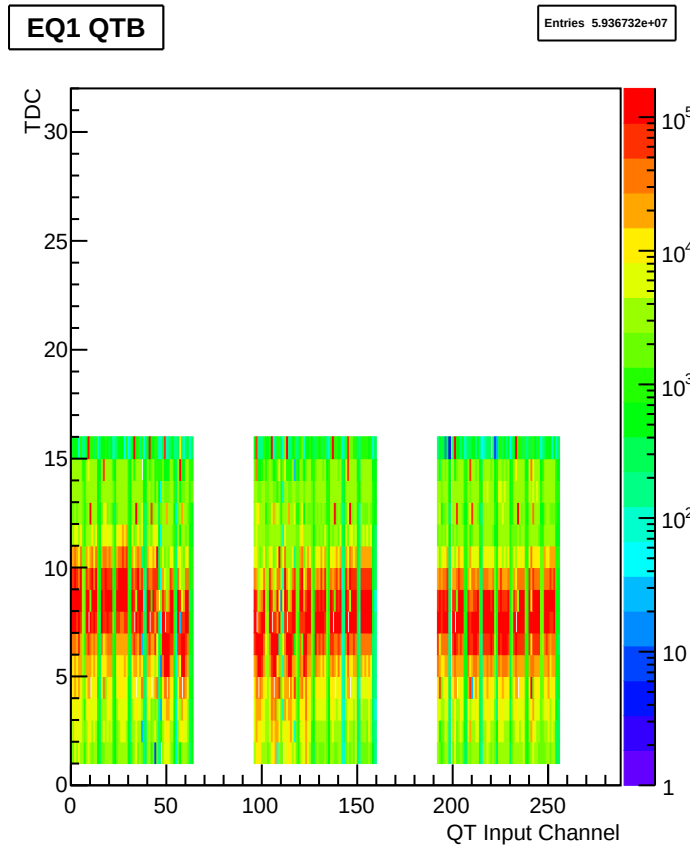

BBQ-VP001 East
Entries 9406704
ADC
QT Input Channel

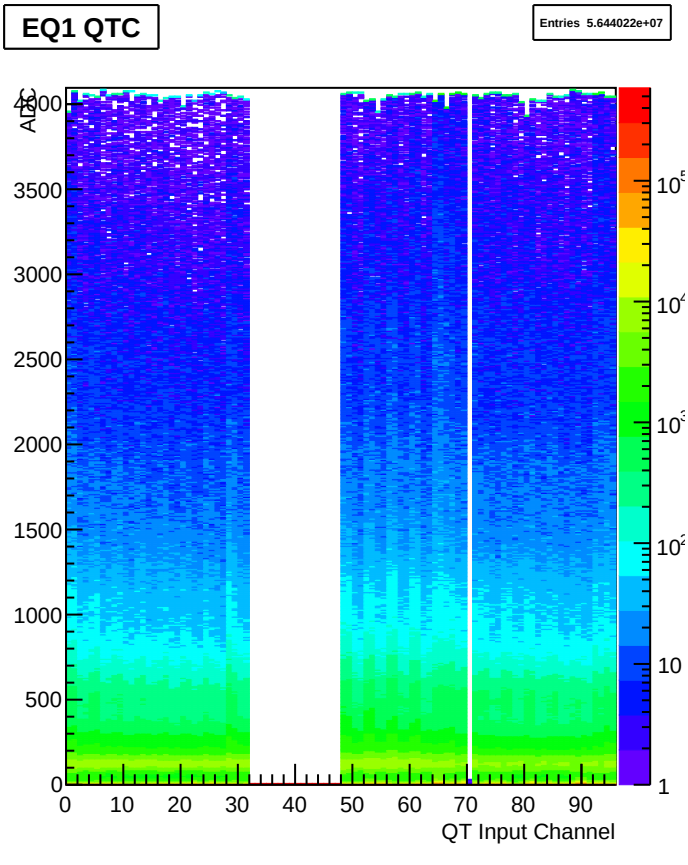

BBQ-VP001 East
Entries 9406704
TADC
QT Input Channel

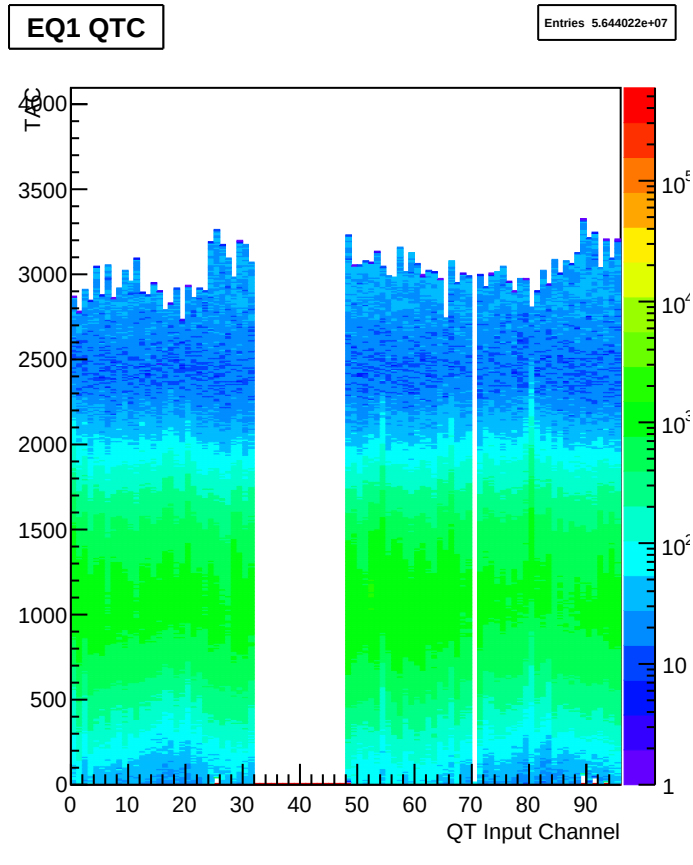

BBQ-VP002 West
Entries 9406704
ADC
QT Input Channel

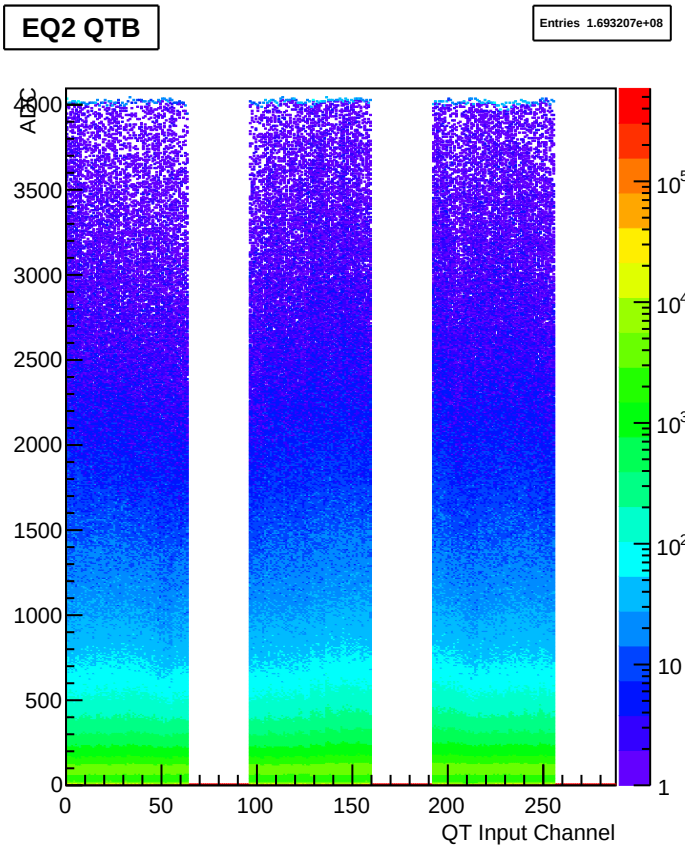

BBQ-VP002 West
Entries 9406704
TADC
QT Input Channel

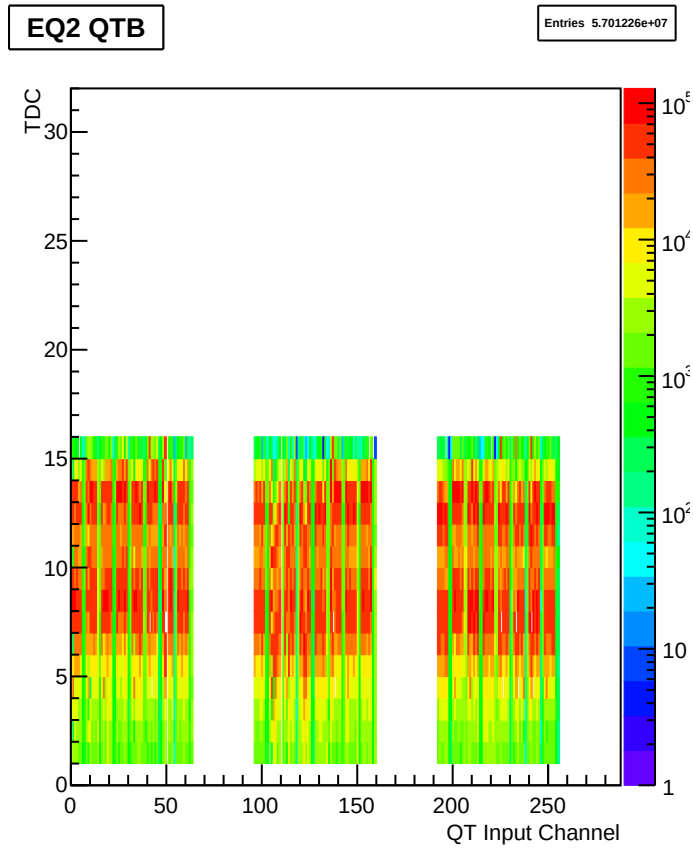

EQ1 QTB
Entries 1.693207e+08
ADC
QT Input Channel

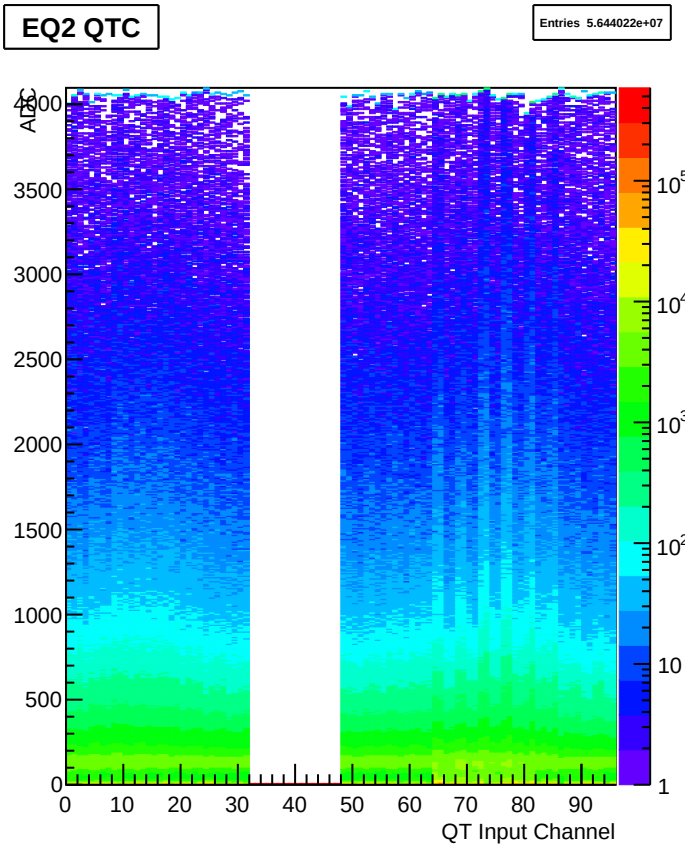

EQ1 QTB
Entries 5.936732e+07
TDC
QT Input Channel

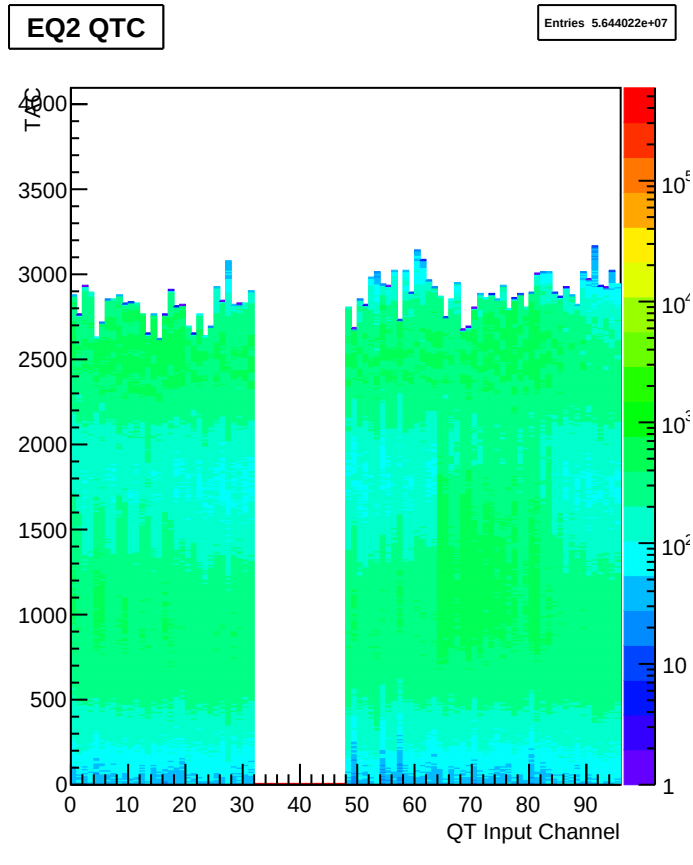

EQ1 QTC
Entries 5.644022e+07
ADC
QT Input Channel

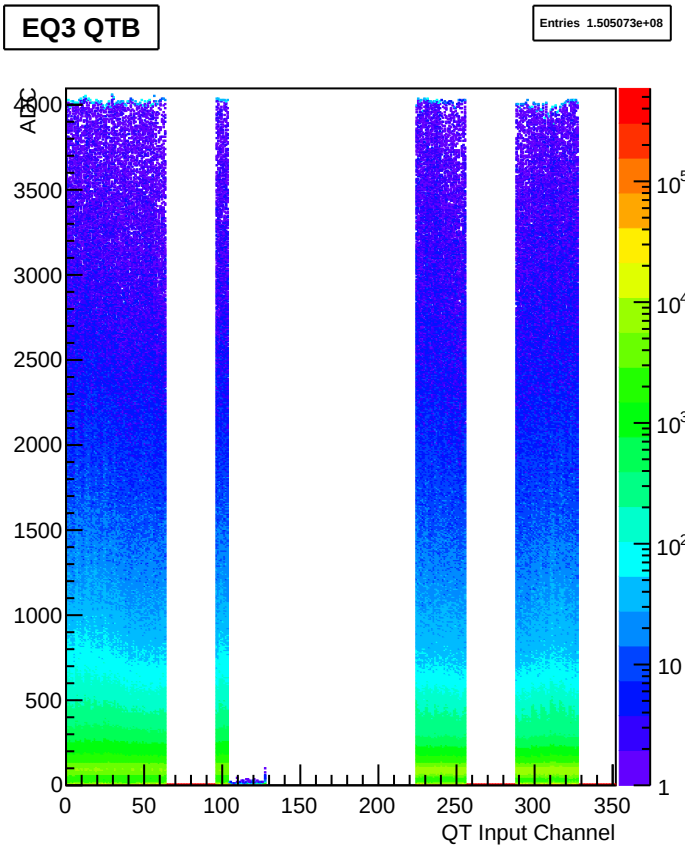

EQ1 QTC
Entries 5.644022e+07
TADC
QT Input Channel

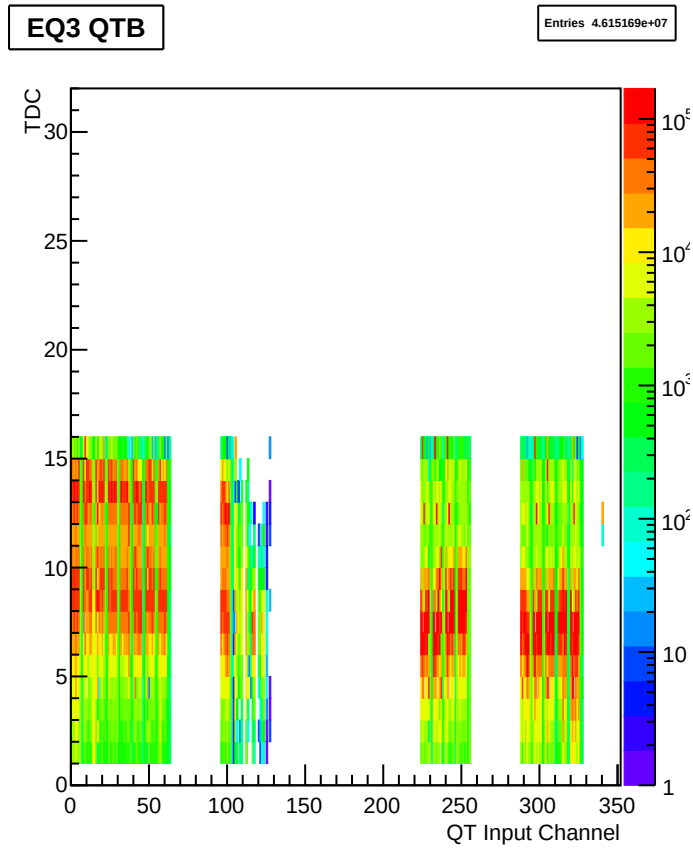

EQ2 QTB
Entries 1.693207e+08
ADC
QT Input Channel

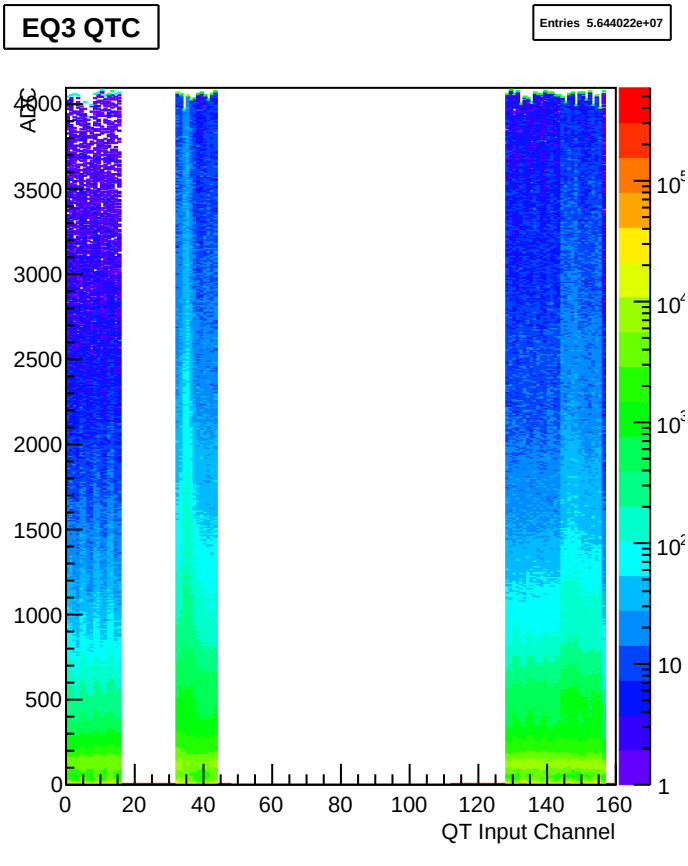

EQ2 QTB
Entries 5.701226e+07
TDC
QT Input Channel

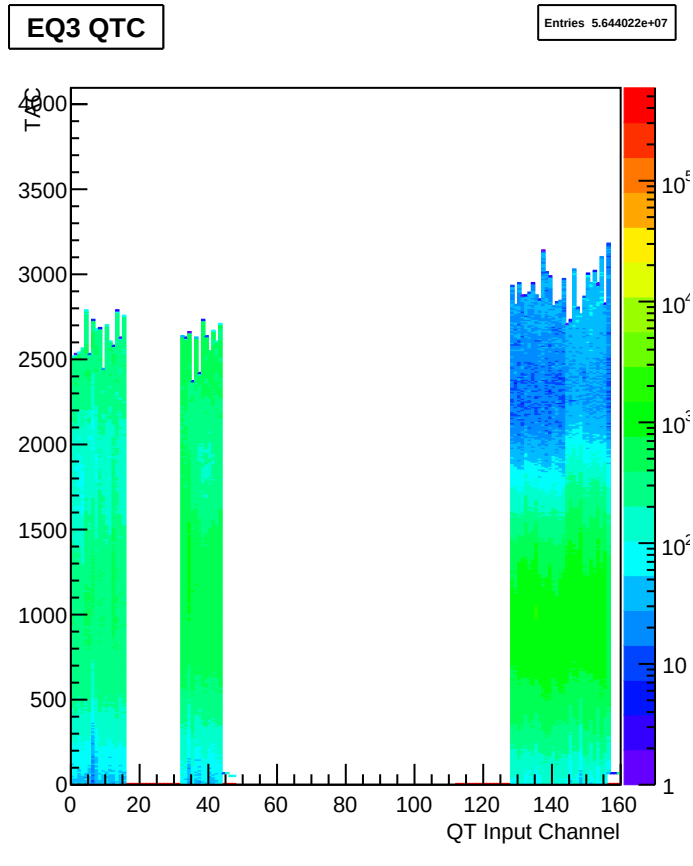

EQ2 QTC
Entries 5.644022e+07
ADC
QT Input Channel

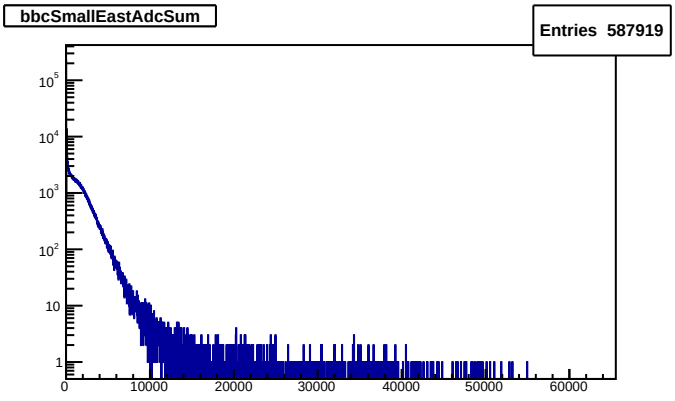

EQ2 QTC
Entries 5.644022e+07
TADC
QT Input Channel

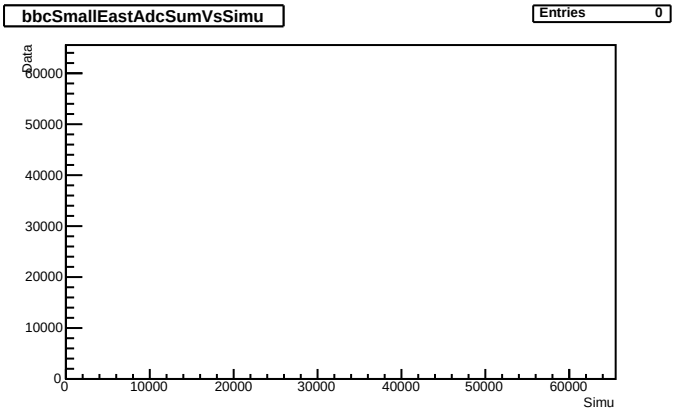

EQ3 QTB
Entries 1.505073e+08
ADC
QT Input Channel

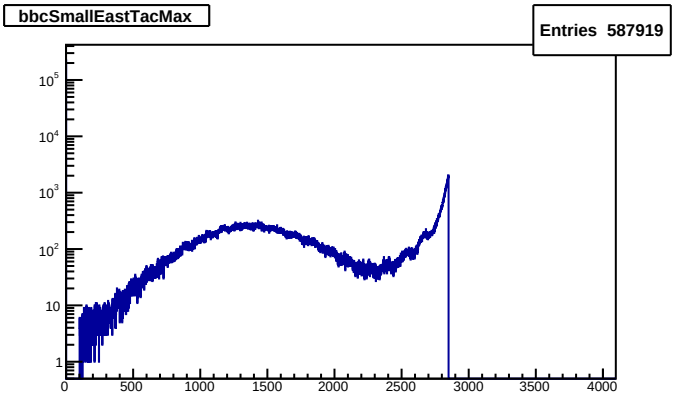

EQ3 QTB
Entries 4.615169e+07
TDC
QT Input Channel

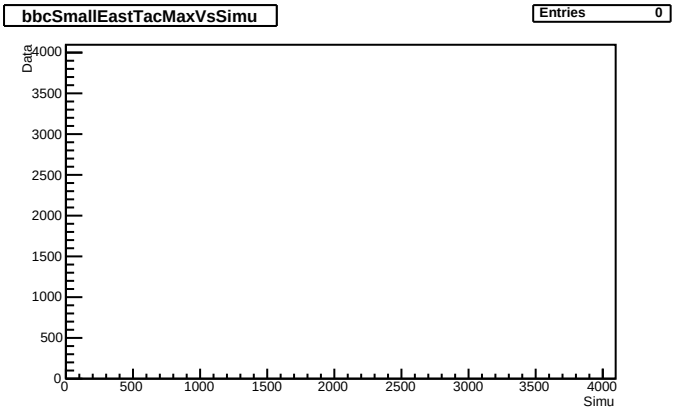

EQ3 QTC
Entries 5.644022e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.644022e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 587919


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 587919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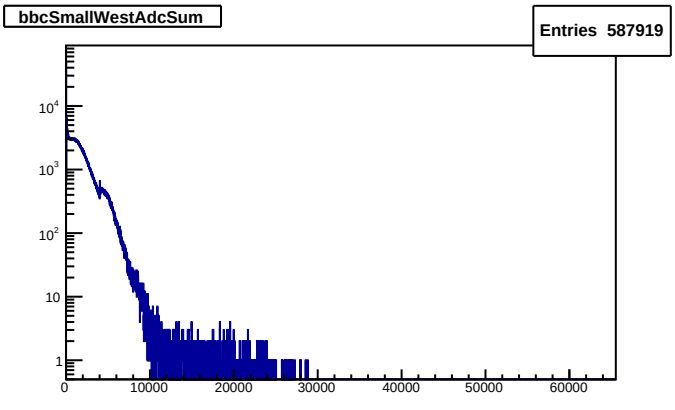
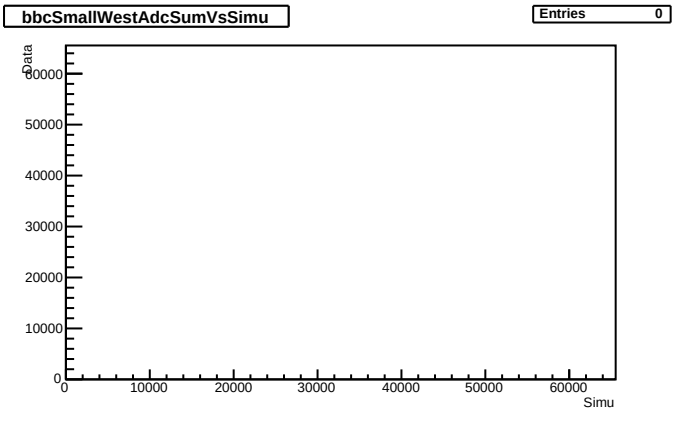

bbcSmallWestAdcSum
Entries 587919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Entries 0
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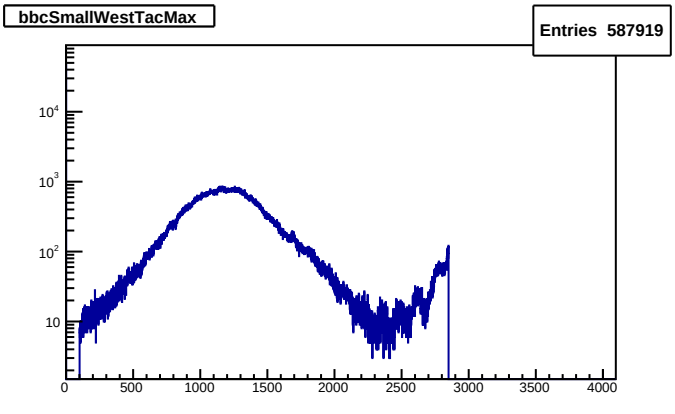
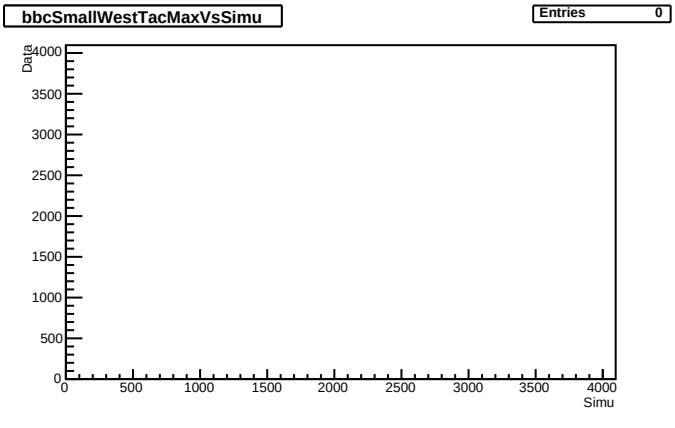
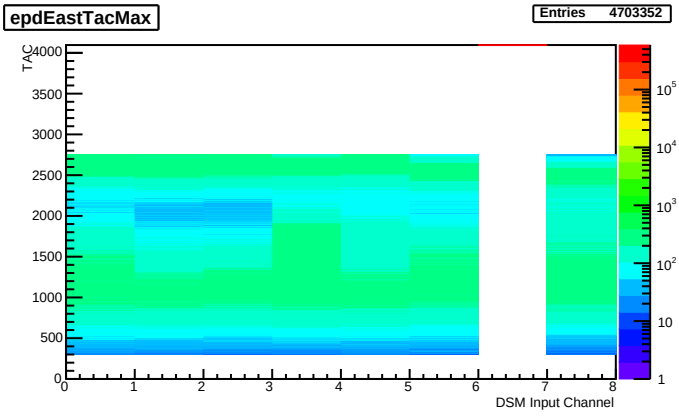
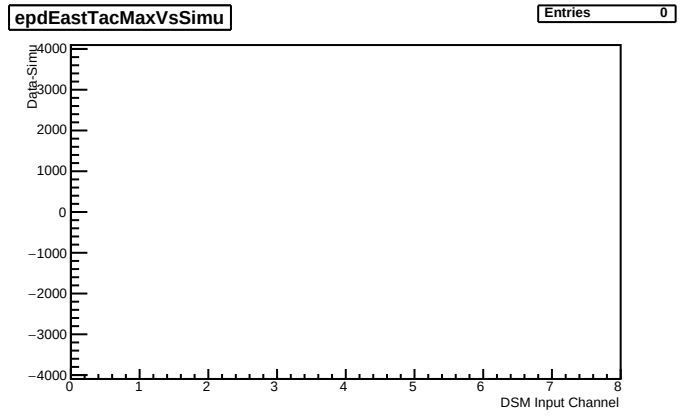
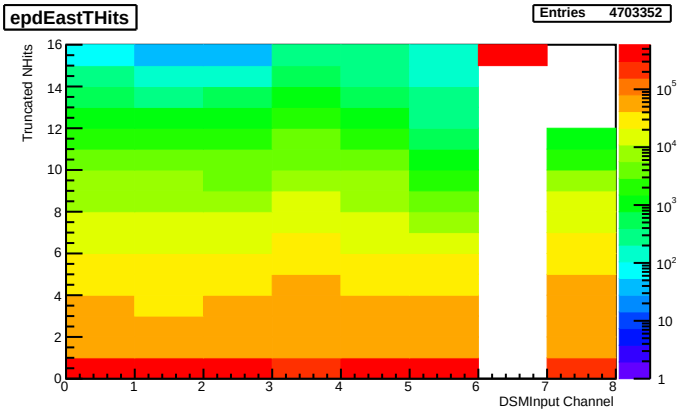
Simu

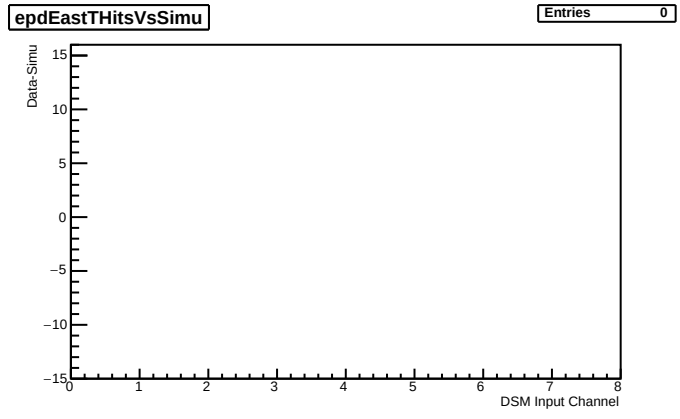

bbcSmallWestTacMax
Entries 587919


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4703352
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4703352
Truncated NHits
DSMInput Channel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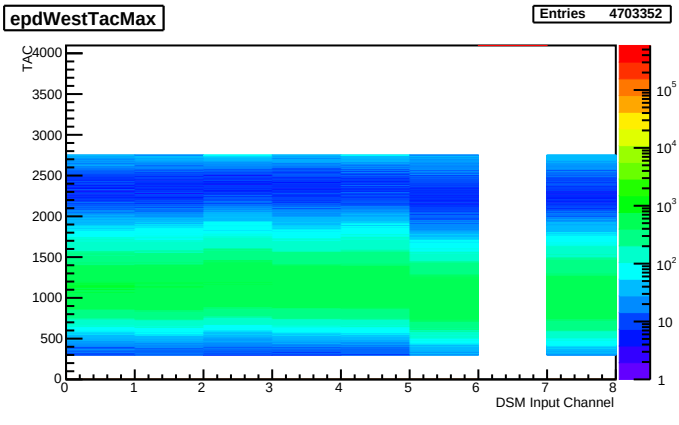
DSM Input Channel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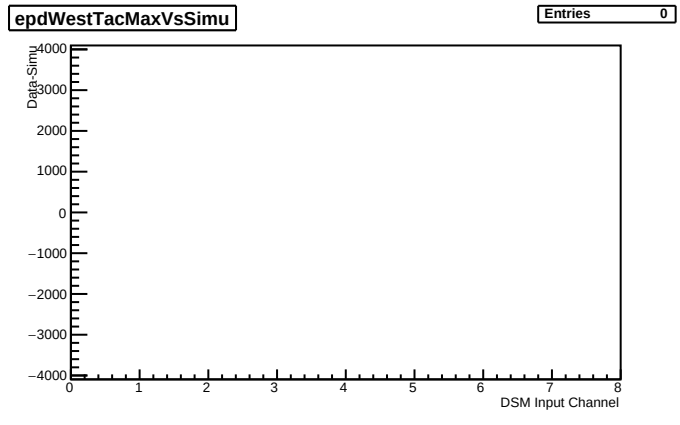
Entries 4703352
TAC
DSM Input Channel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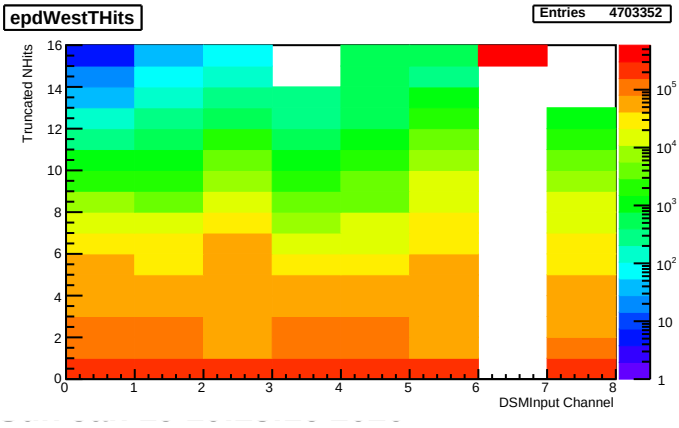
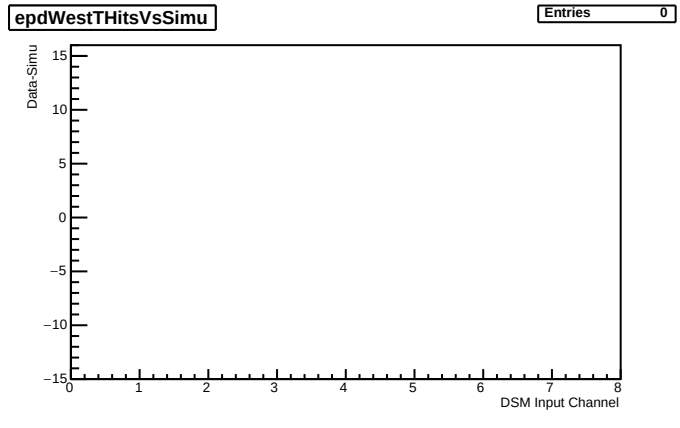
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4703352
Truncated NHits
DSMInput Channel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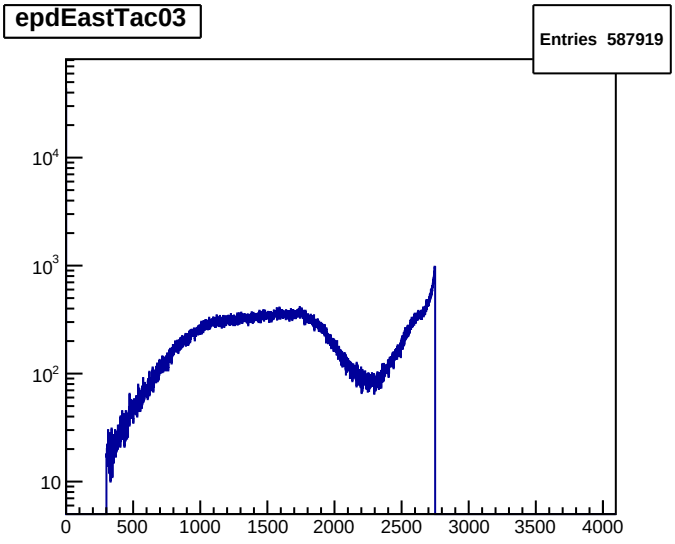
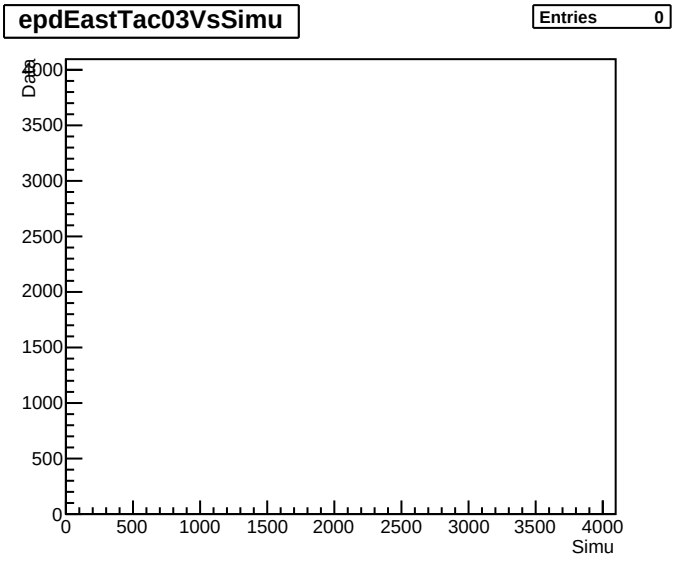
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 587919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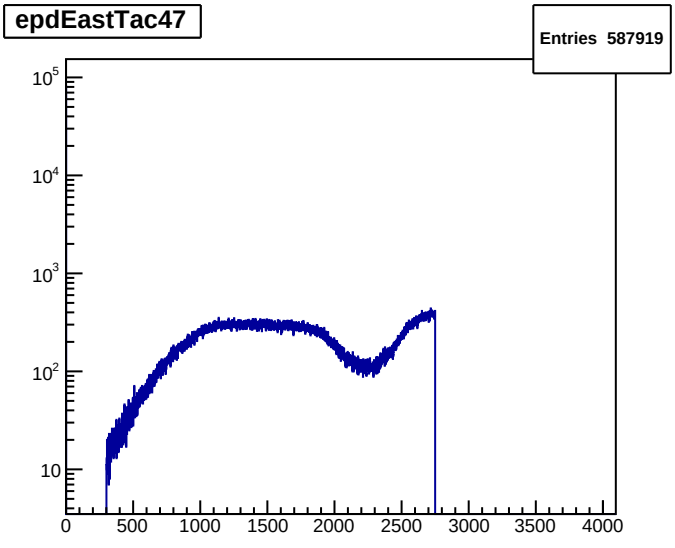
Entries 0
Data
Simu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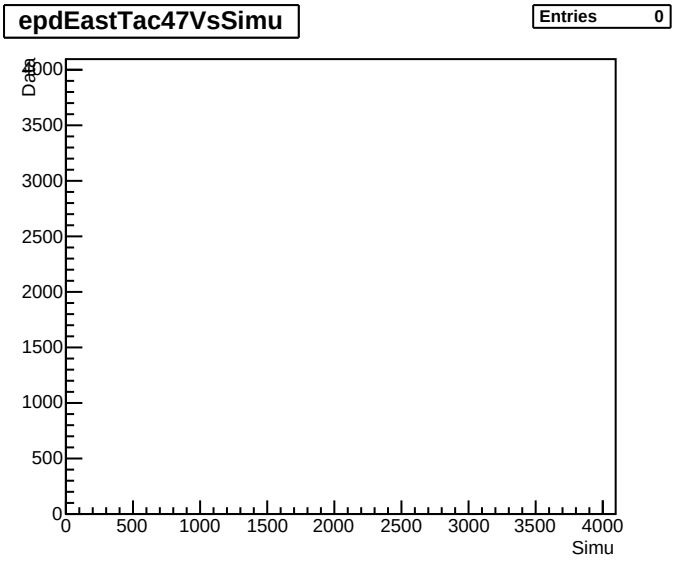
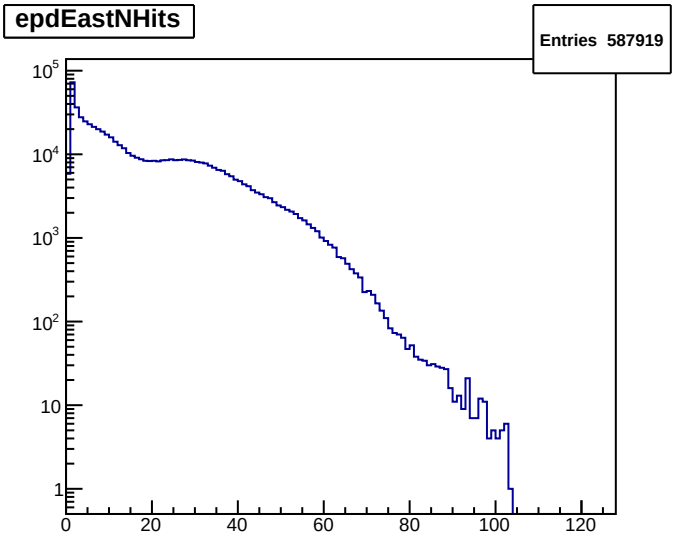
Entries 587919


epdEastTac47VsSimu
Entries 0
Data
Simu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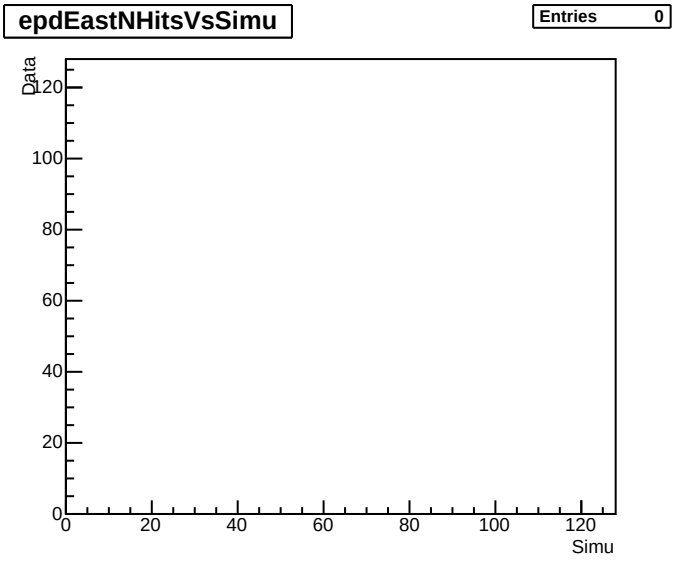
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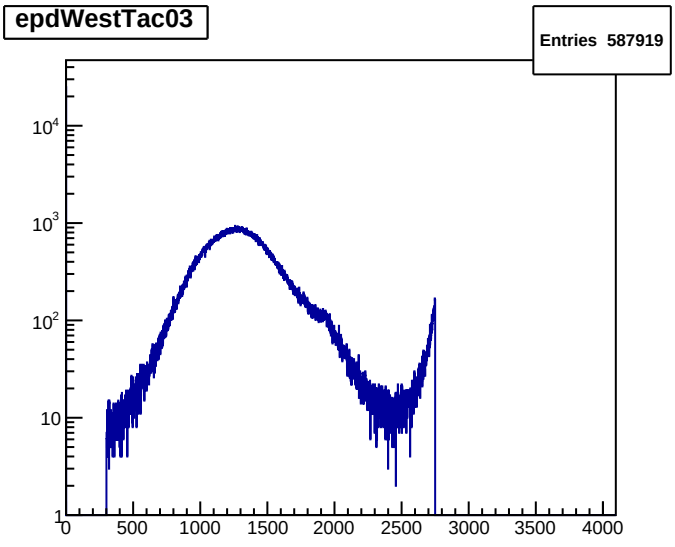
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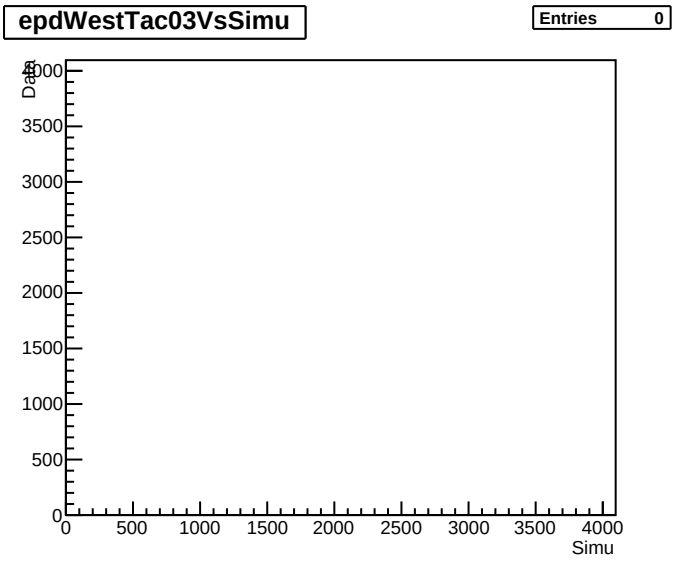
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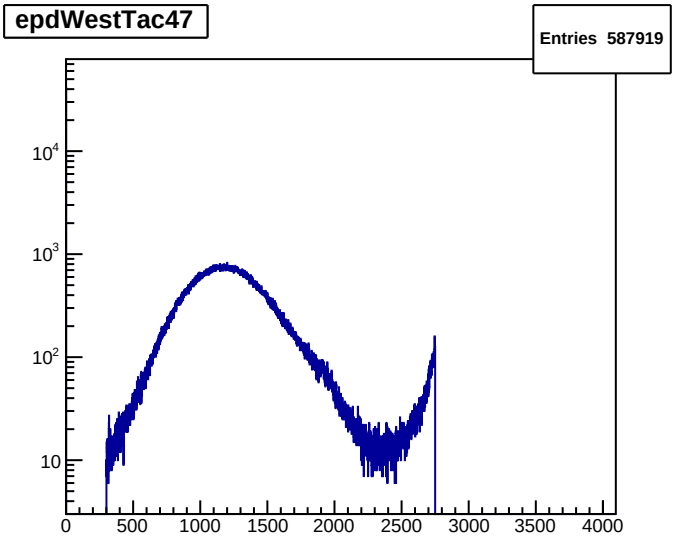
Simu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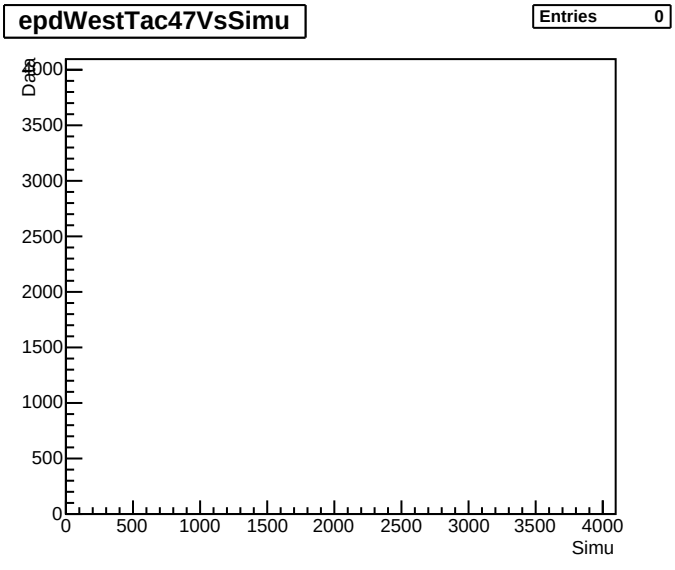
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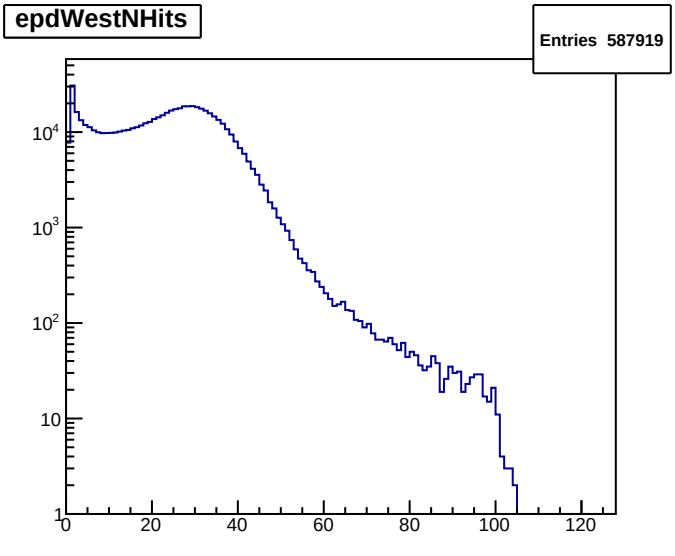
Entries 0
Data
Simu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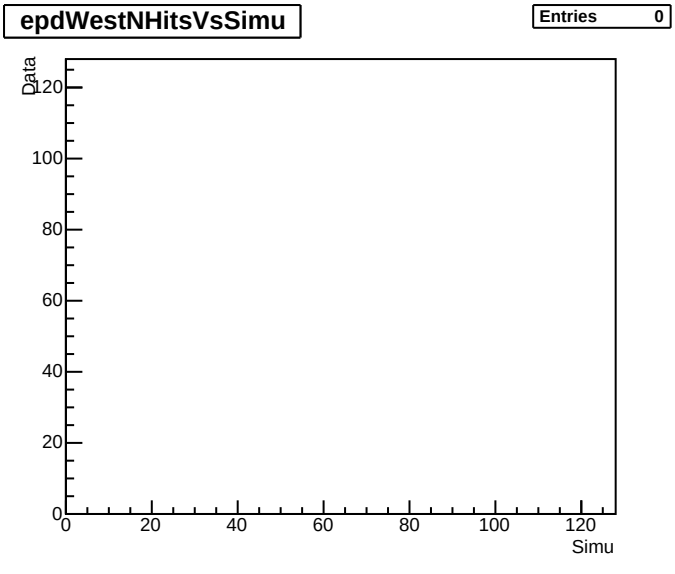
Entries 587919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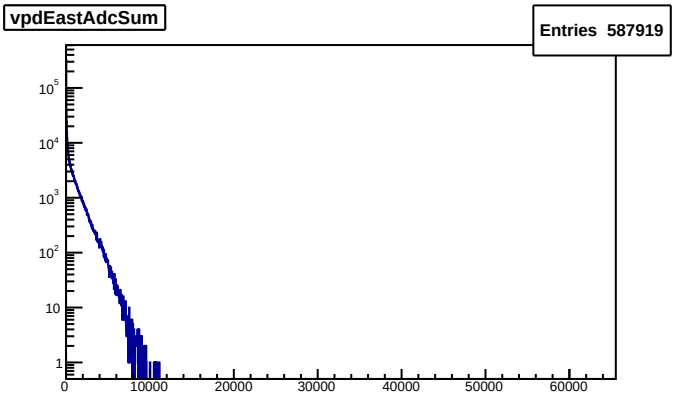
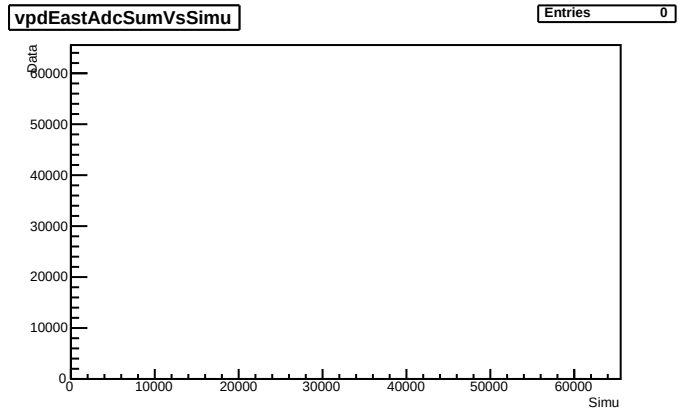
Entries 0
Data
Simu


vpdEastAdcSum
Entries 587919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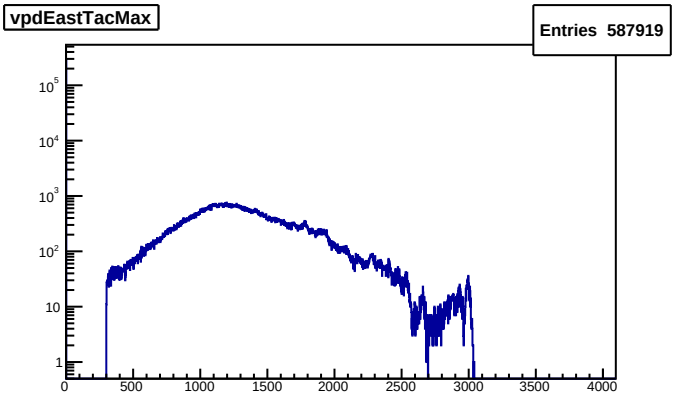
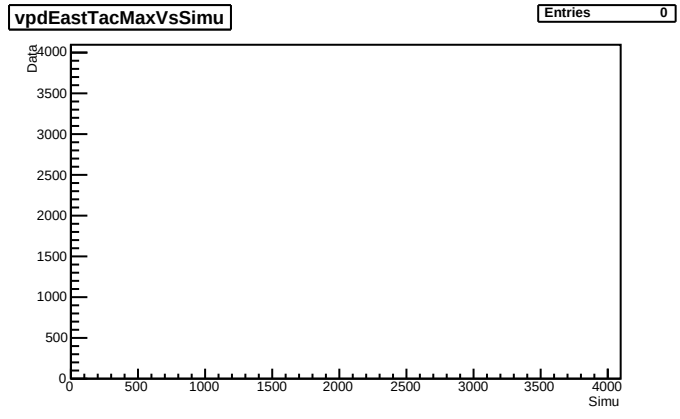
Entries 0
Data
Simu


vpdEastTacMax
Entries 587919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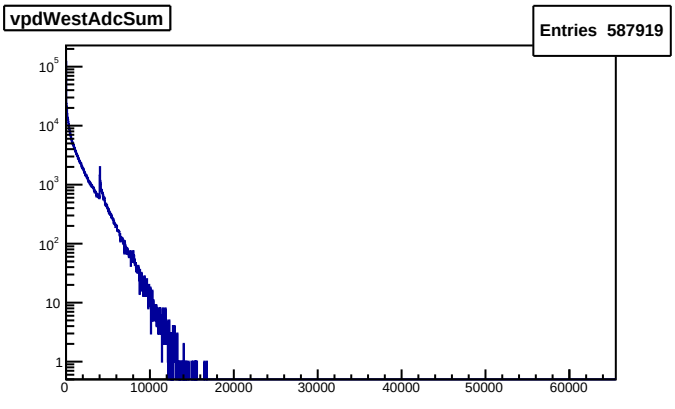
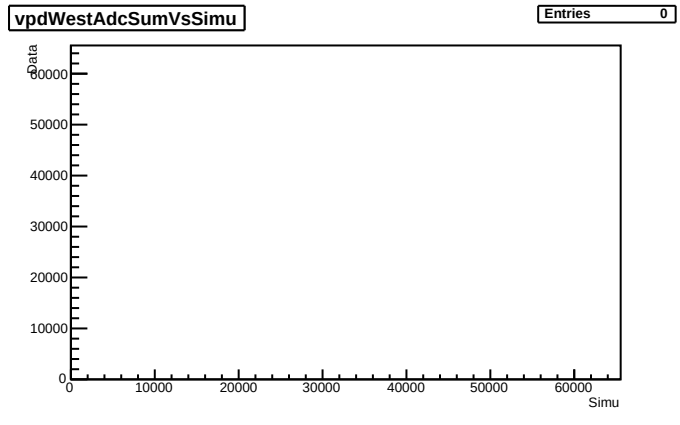
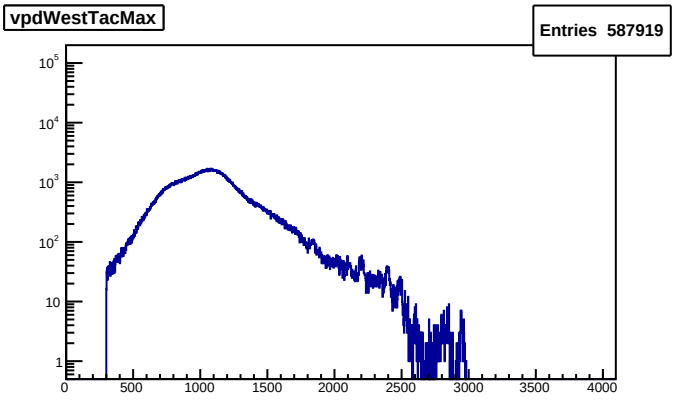
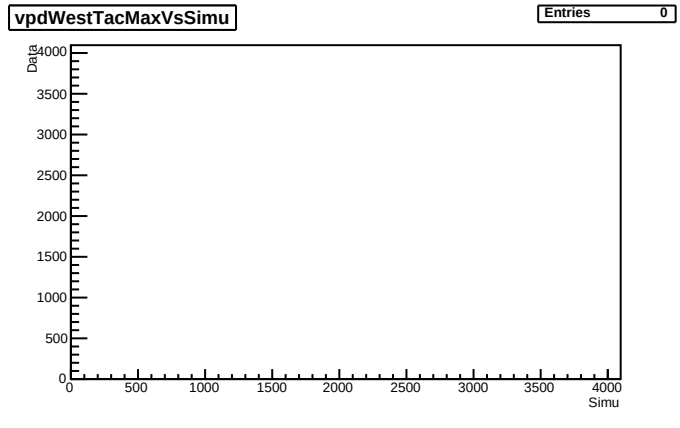
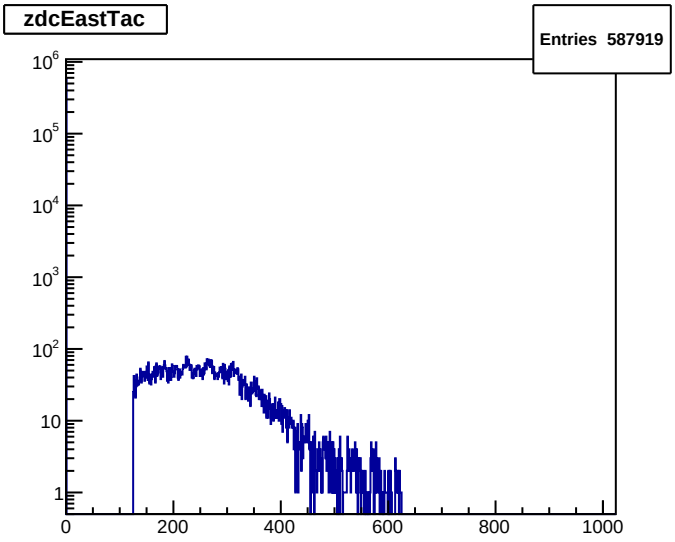
Entries 0
Data
Simu

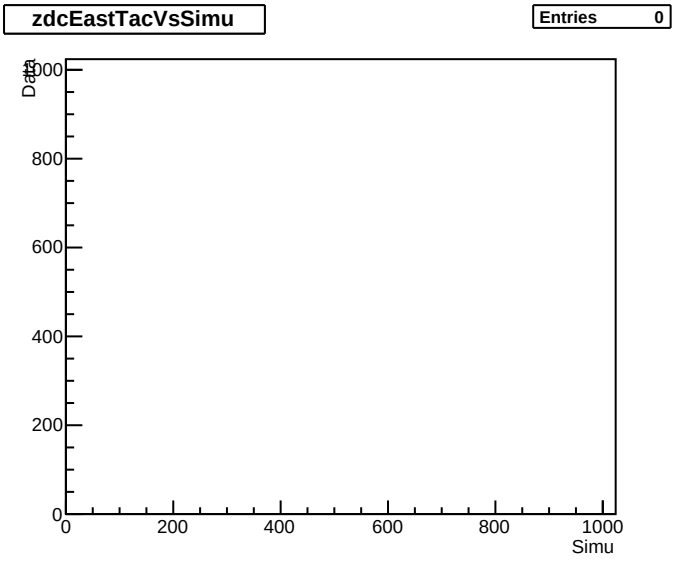

vpdWestAdcSum
Entries 587919

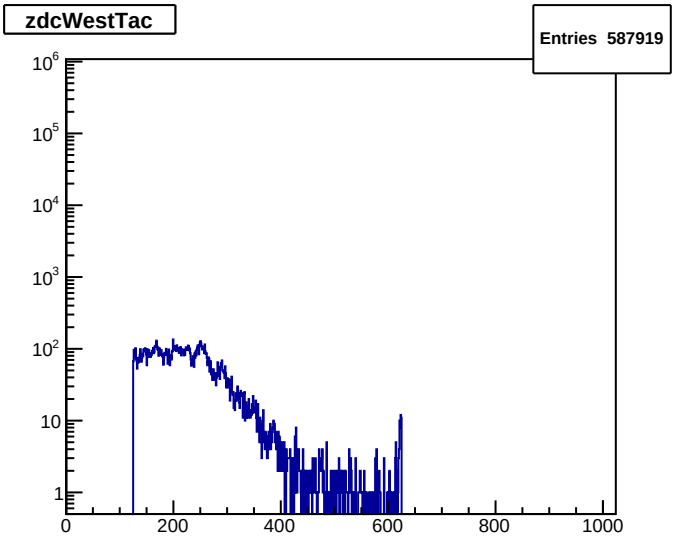

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

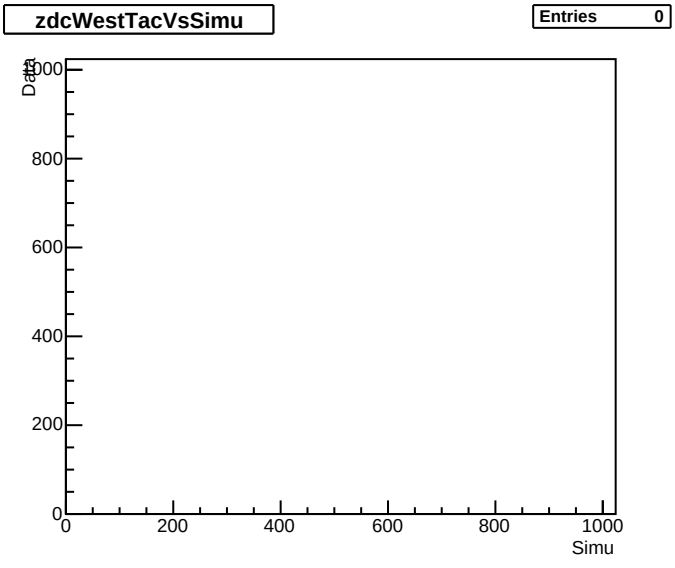

vpdWestTacMax
Entries 587919

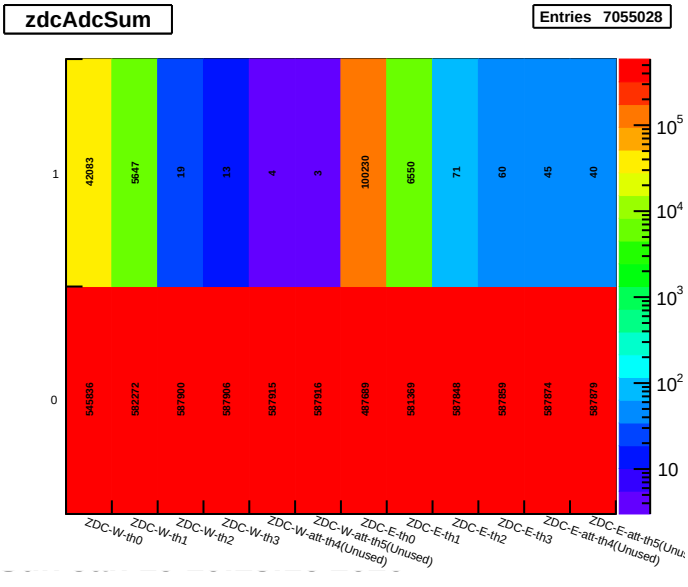

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

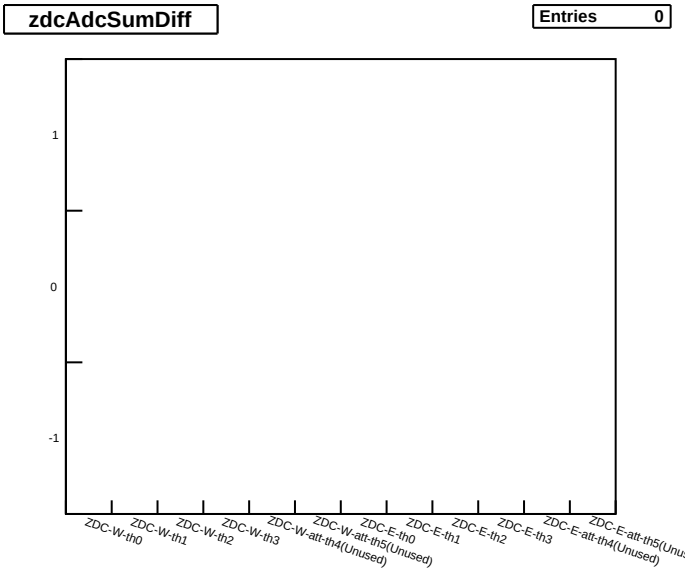

zdcEastTac
Entries 587919

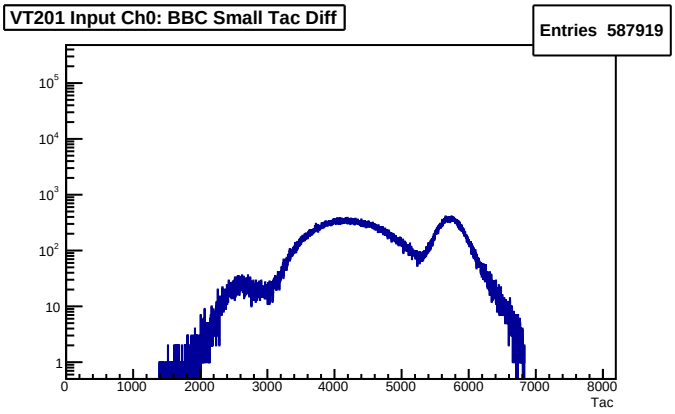

zdcEastTacVsSimu
Entries 0
Data
Simu

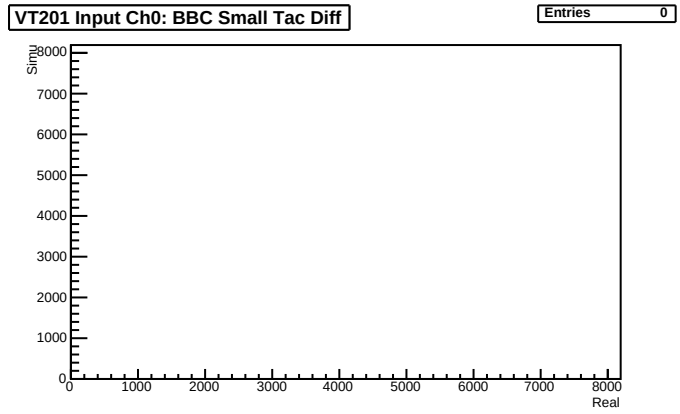

zdcWestTac
Entries 587919

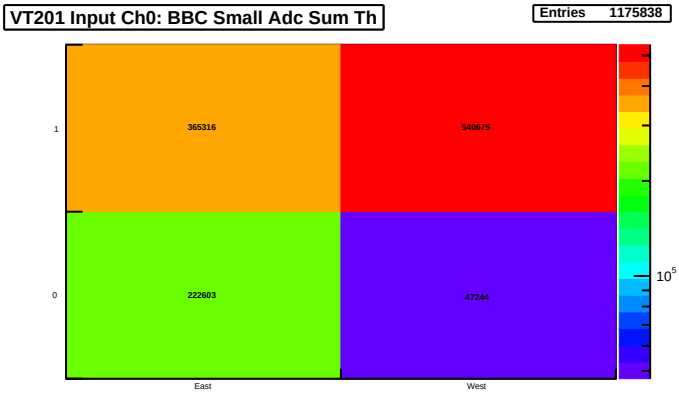

zdcWestTacVsSimu
Entries 0
Data
Simu

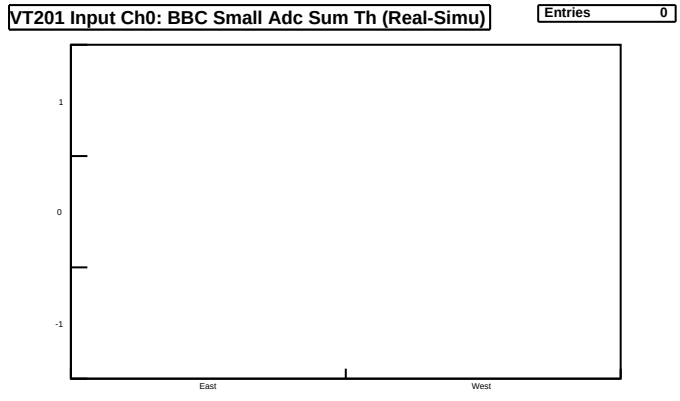

zdcAdcSum
Entries 7055028
42083
5647
19
13
4
3
100230
6550
71
60
45
40
545836
582272
587900
587906
587915
587916
487689
581389
587848
587859
587874
587879
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

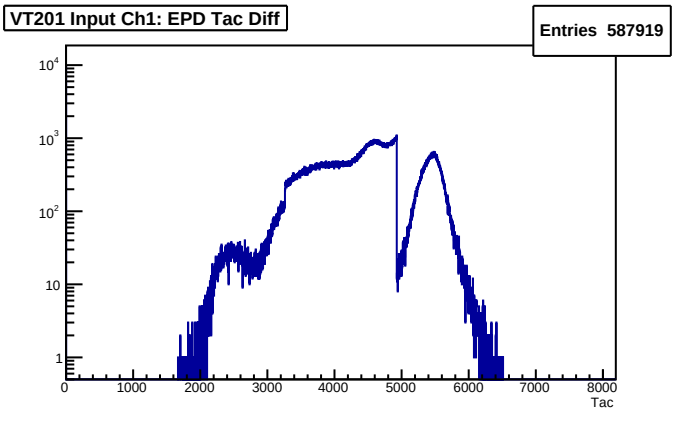

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

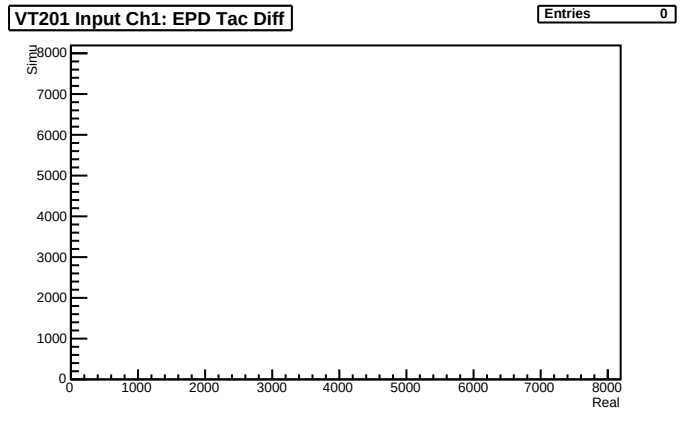

VT201 Input Ch0: BBC Small Tac Diff
Entries 587919
Tac

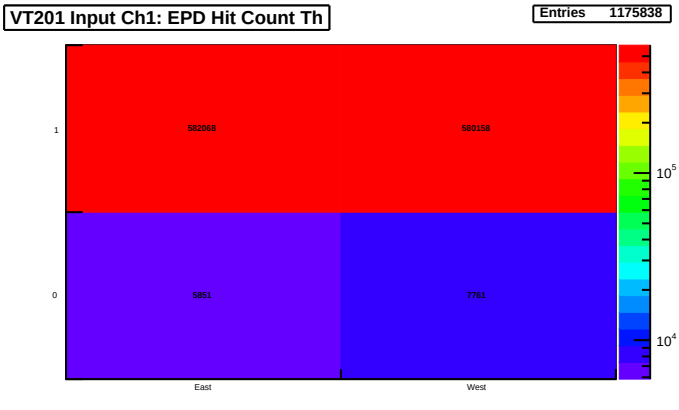

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

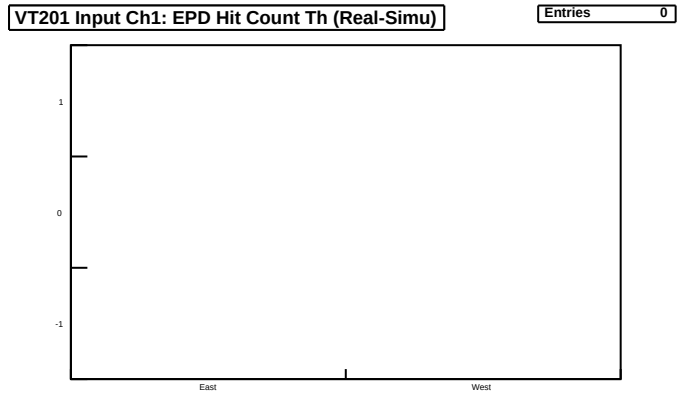

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1175838
365316
540675
222603
47244
East
West

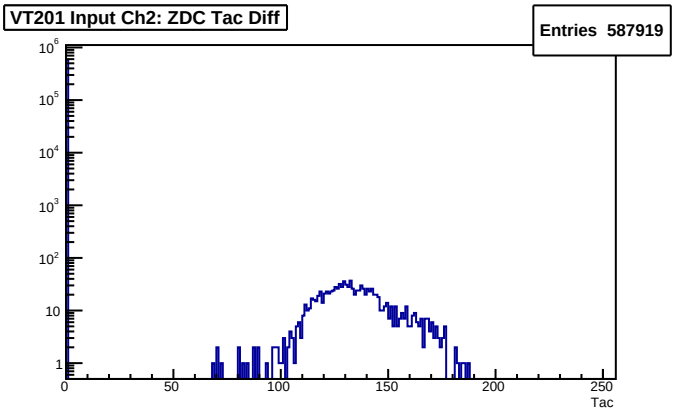

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

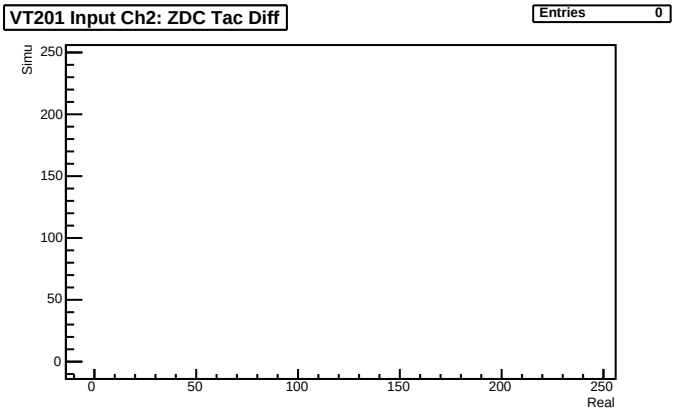

VT201 Input Ch1: EPD Tac Diff
Entries 587919
Tac

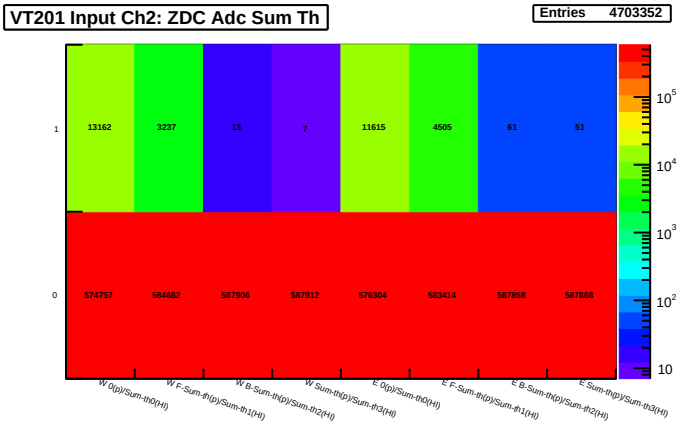

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

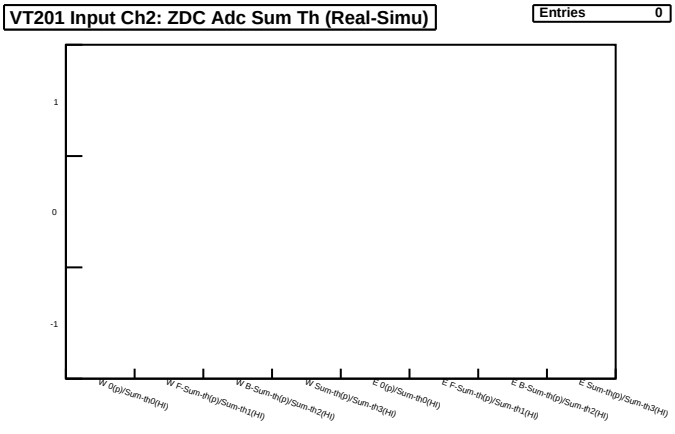

VT201 Input Ch1: EPD Hit Count Th
Entries 1175838
582068
580158
5851
7761
East
West

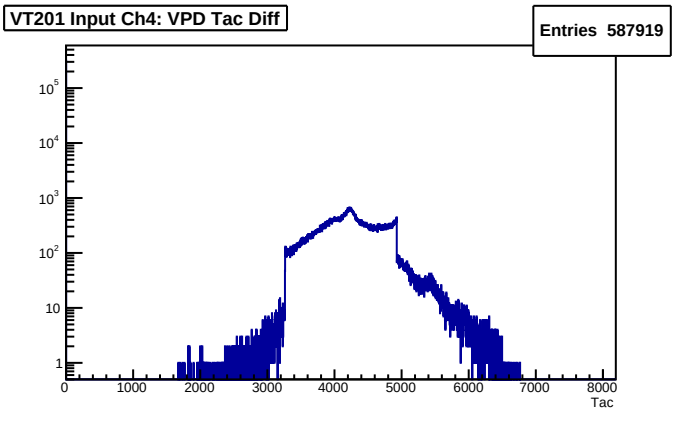

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

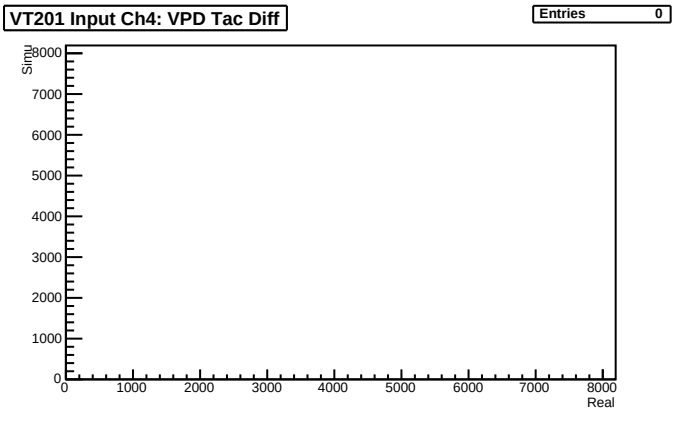

VT201 Input Ch2: ZDC Tac Diff
Entries 587919
Tac

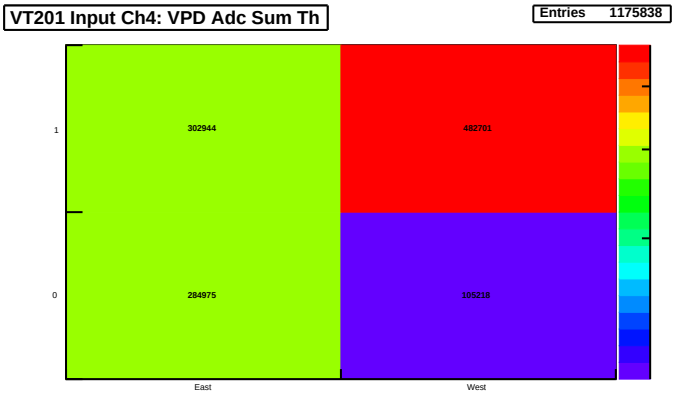

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

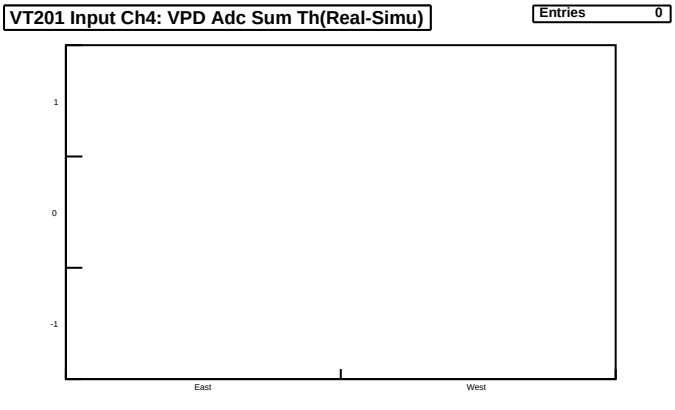

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4703352
13162
3237
13
7
11615
4505
61
51
574757
584682
587906
587912
576304
583414
587858
587868
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

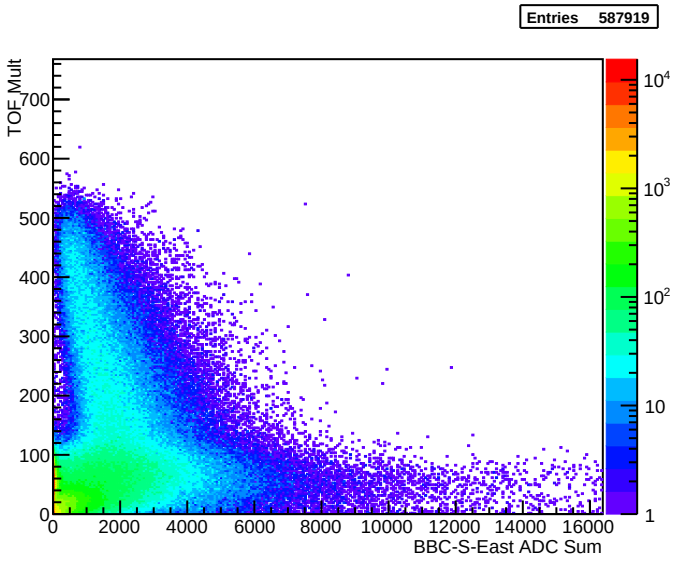

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

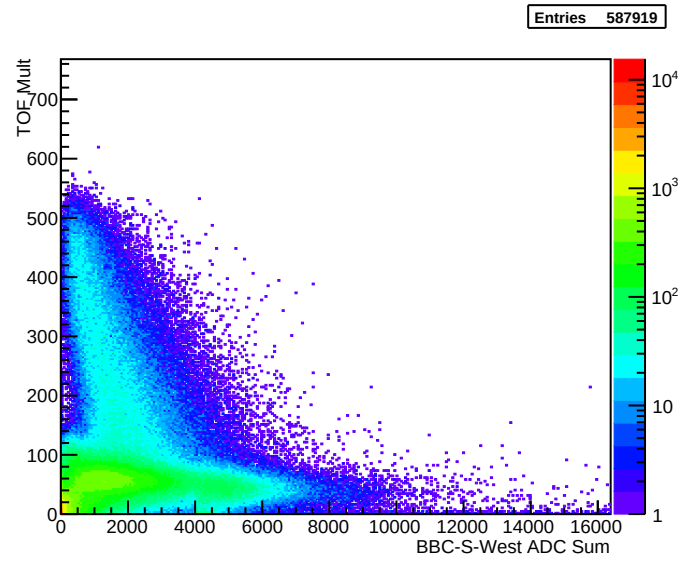

VT201 Input Ch4: VPD Tac Diff
Entries 587919
Tac

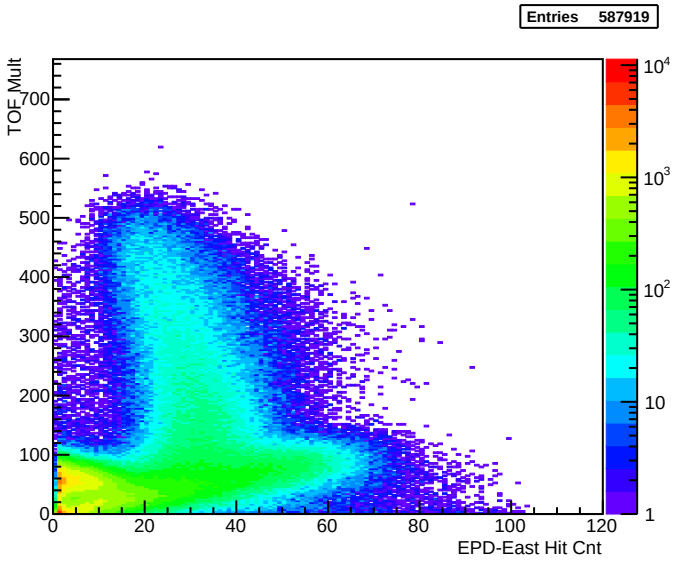

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

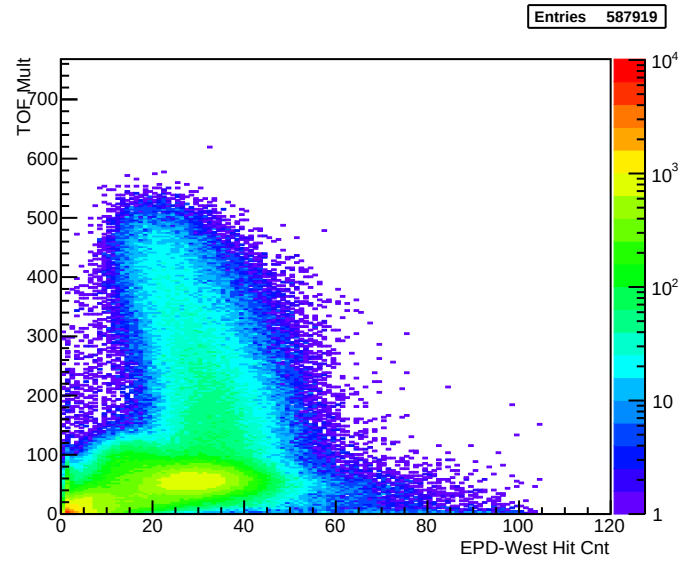

VT201 Input Ch4: VPD Adc Sum Th
Entries 1175838
302944
482701
284975
105218
East
West

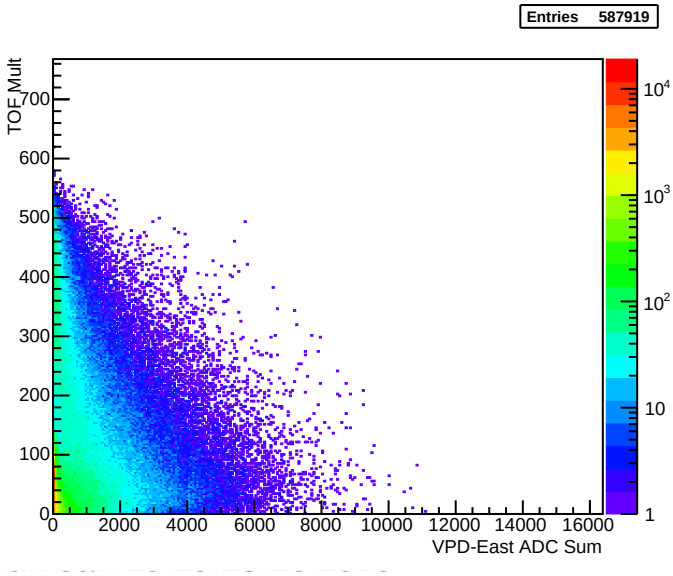

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

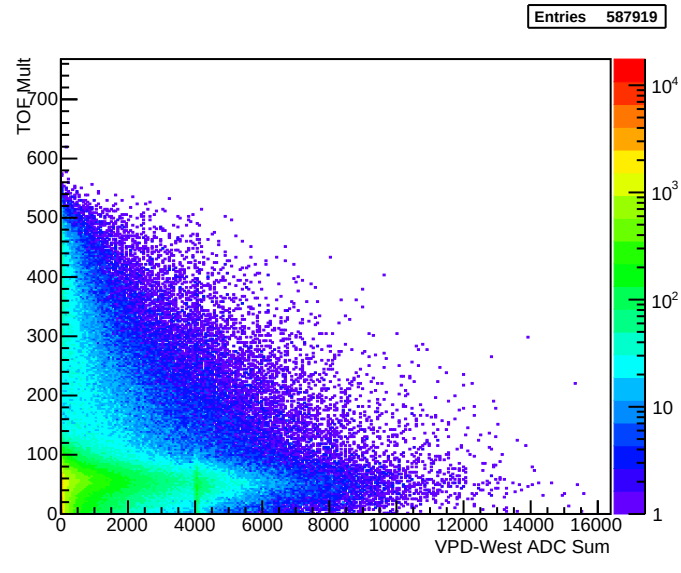

Entries 587919
TOF_Mult
BBC-S-East ADC Sum

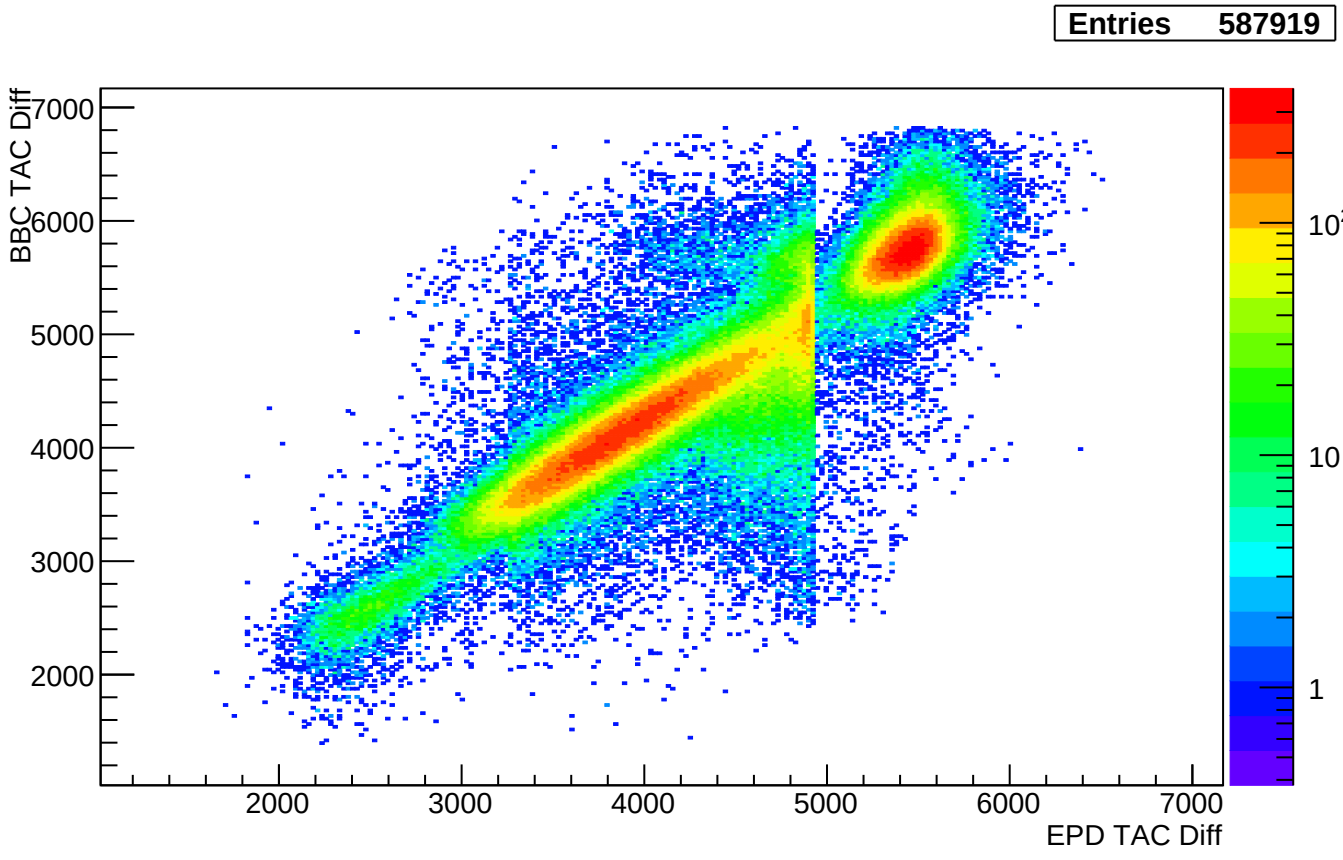

Entries 587919
TOF_Mult
BBC-S-West ADC Sum

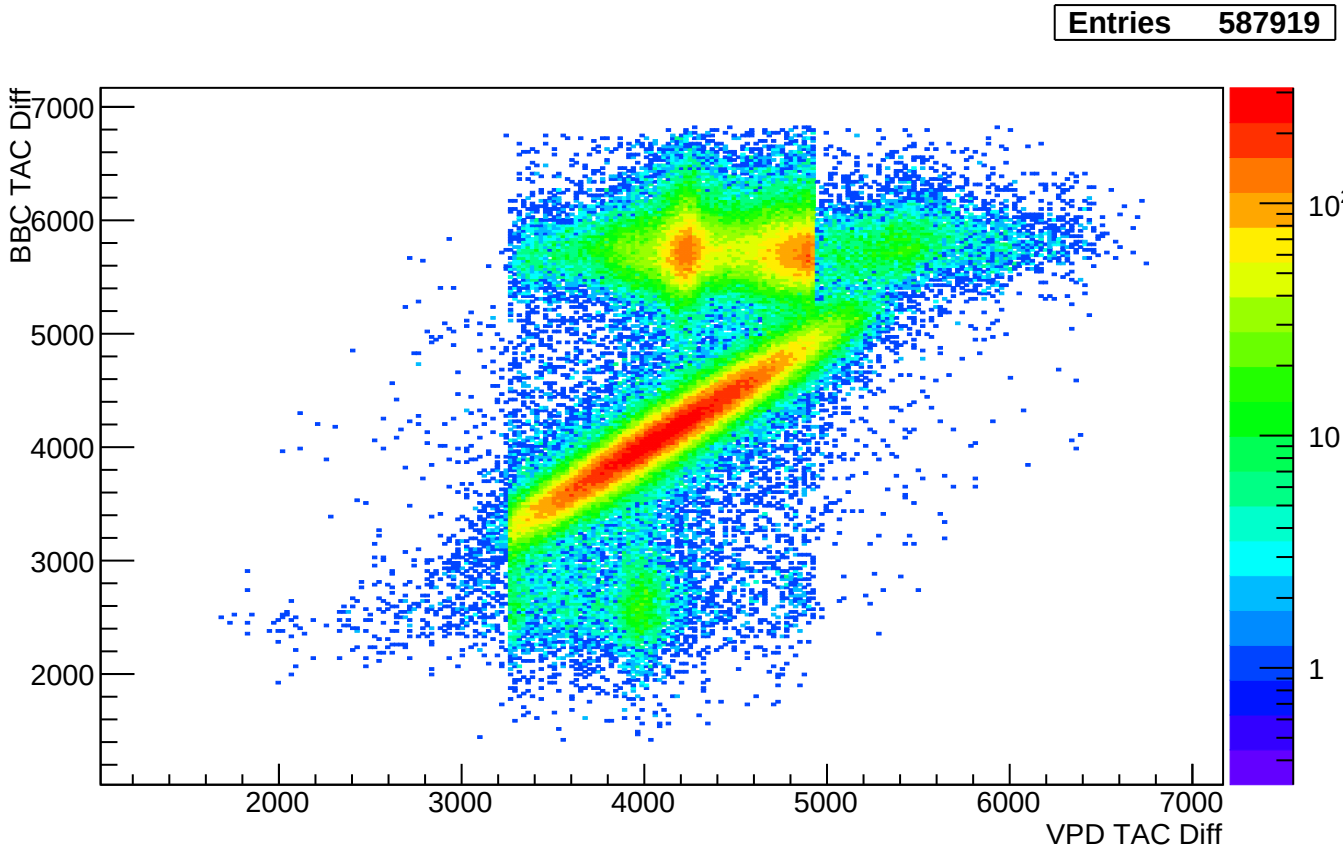

Entries 587919
TOF_Mult
EPD-East Hit Cnt

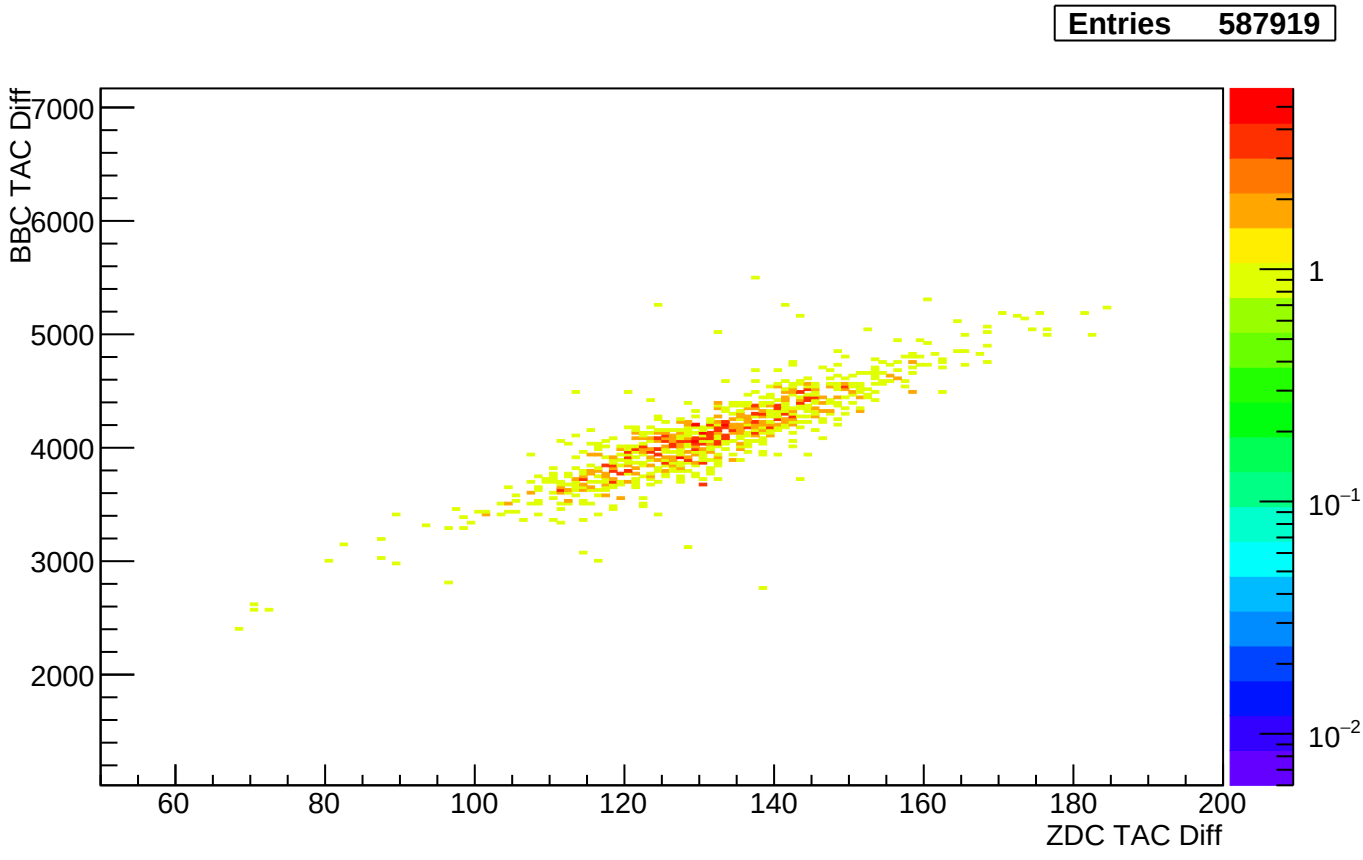

Entries 587919
TOF_Mult
EPD-West Hit Cnt

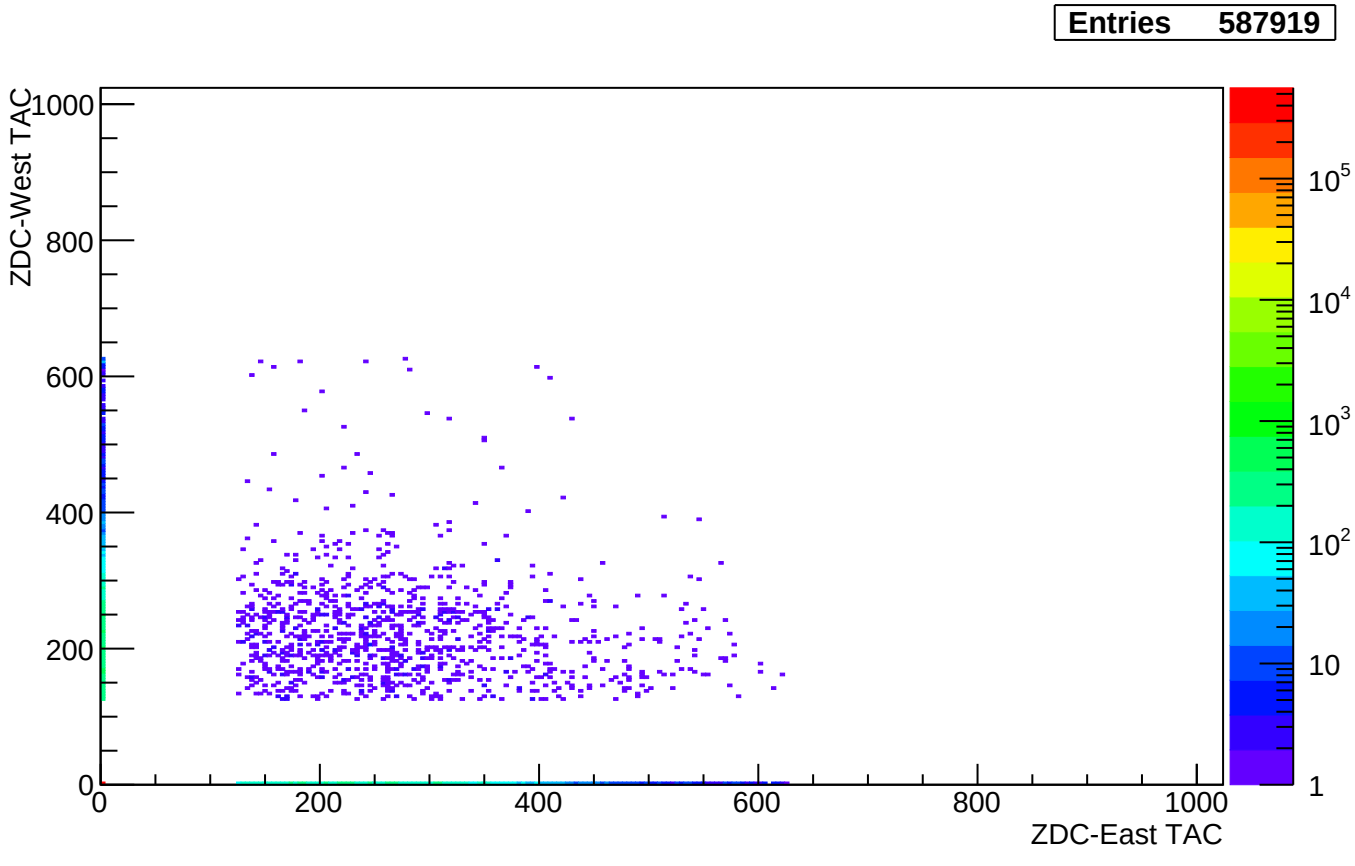

Entries 587919
TOF_Mult
VPD-East ADC Sum

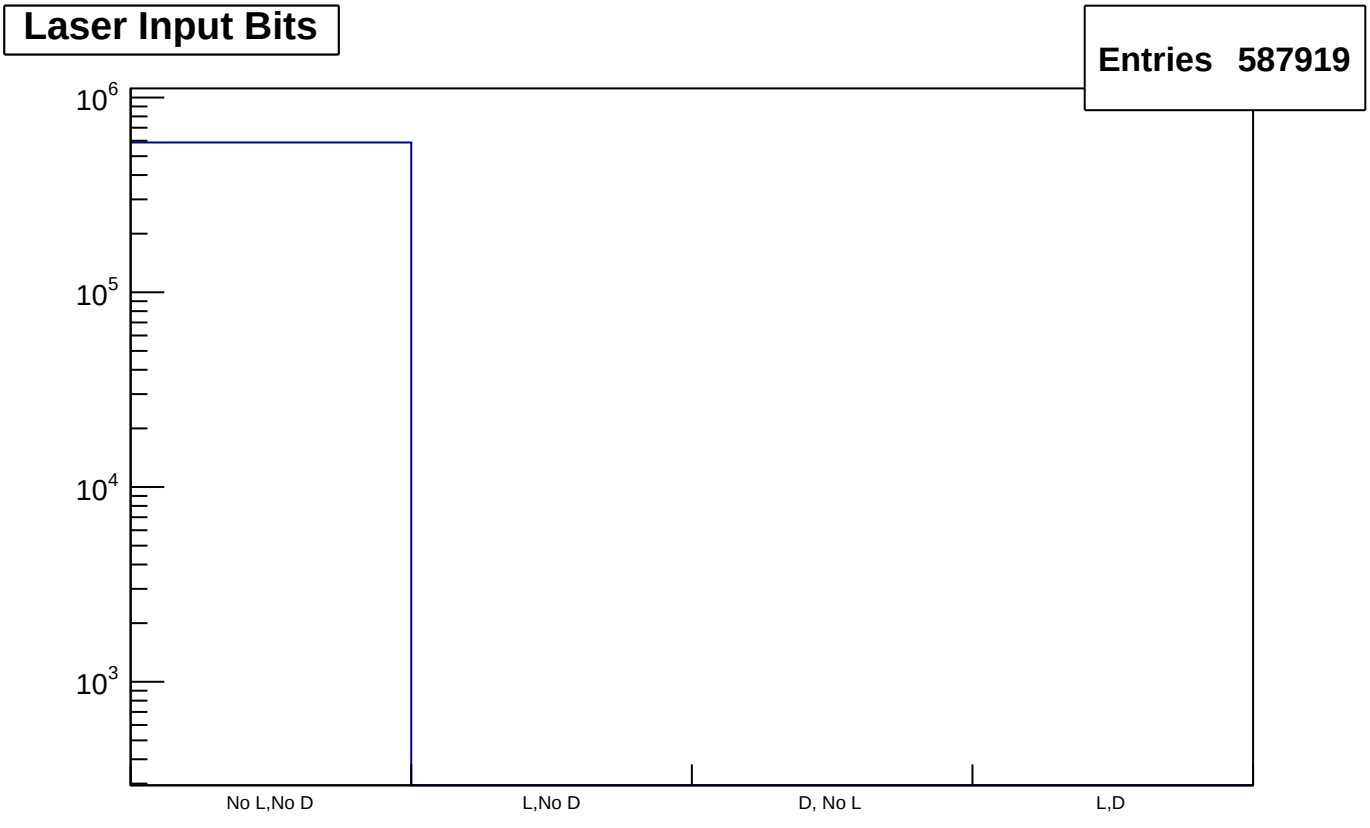

Entries 587919
TOF_Mult
VPD-West ADC Sum

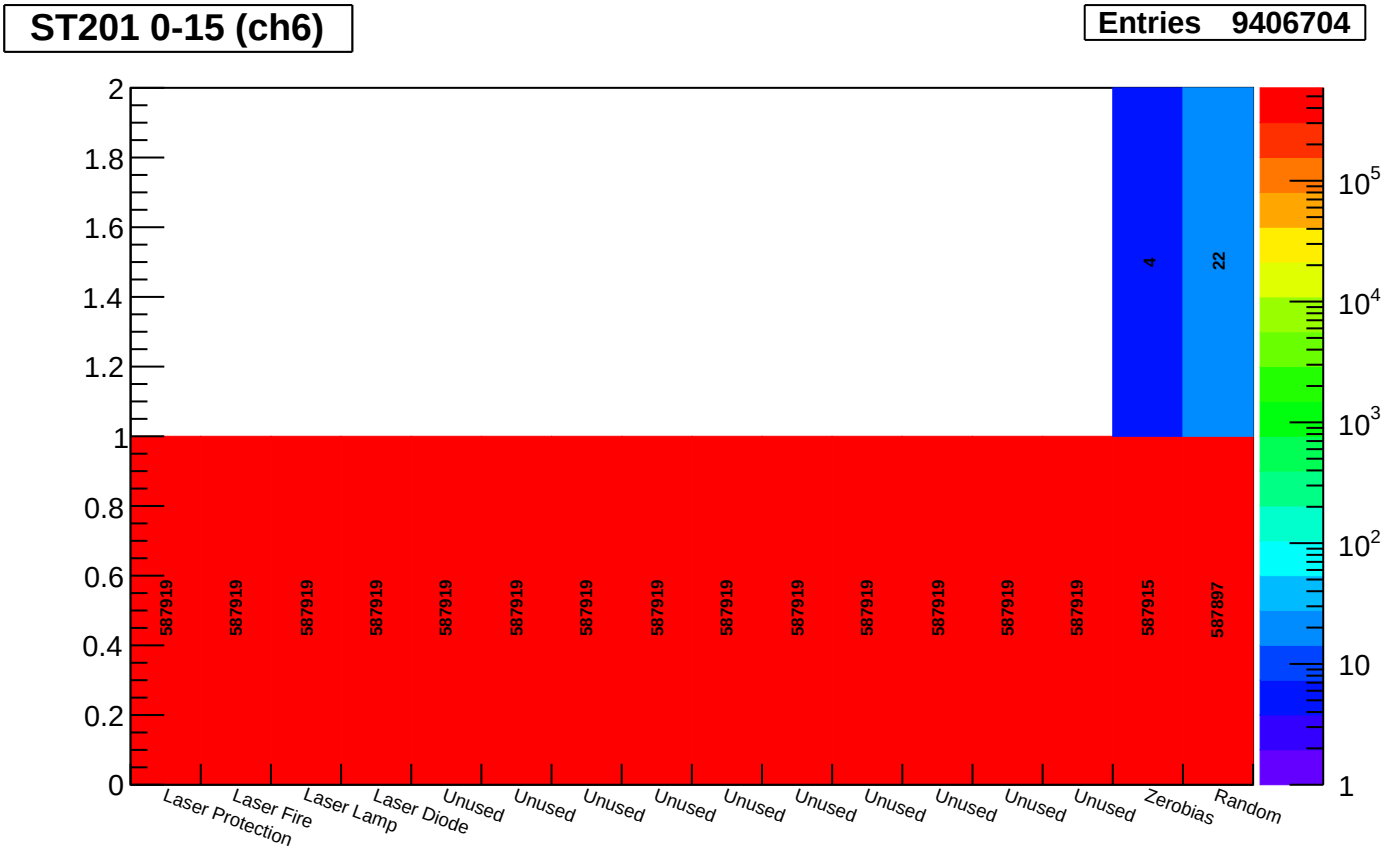

Entries 587919
BBC TAC Diff
EPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
10^2

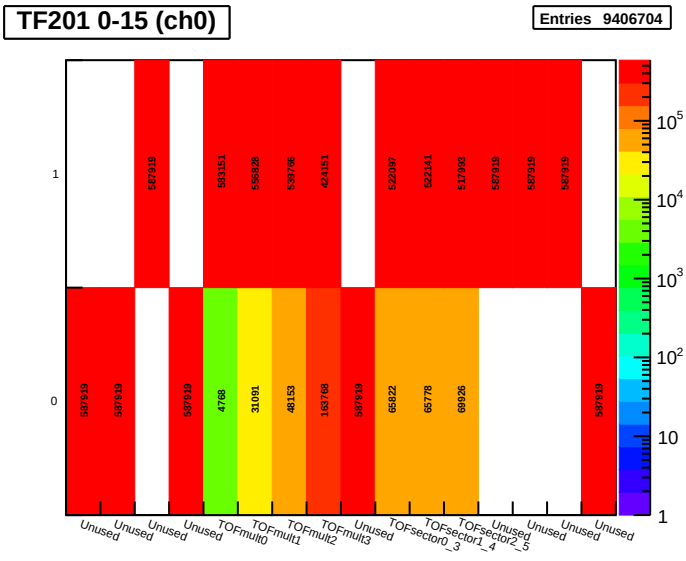

Entries 587919
BBC TAC Diff
VPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
10^2

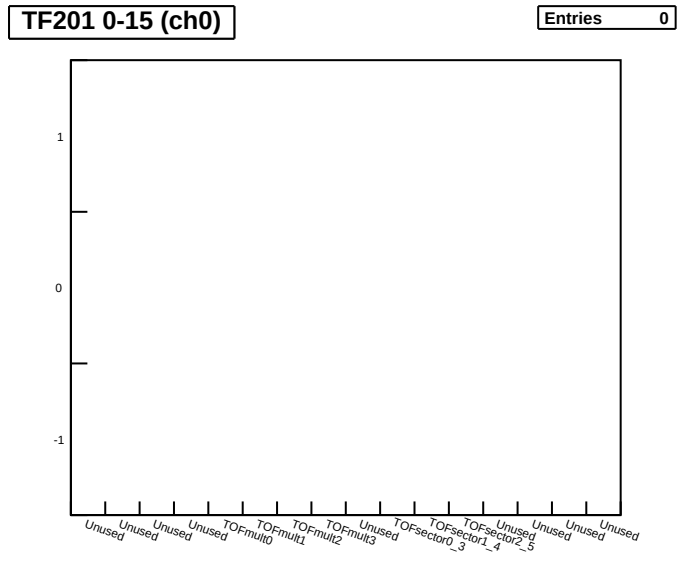

Entries 587919
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

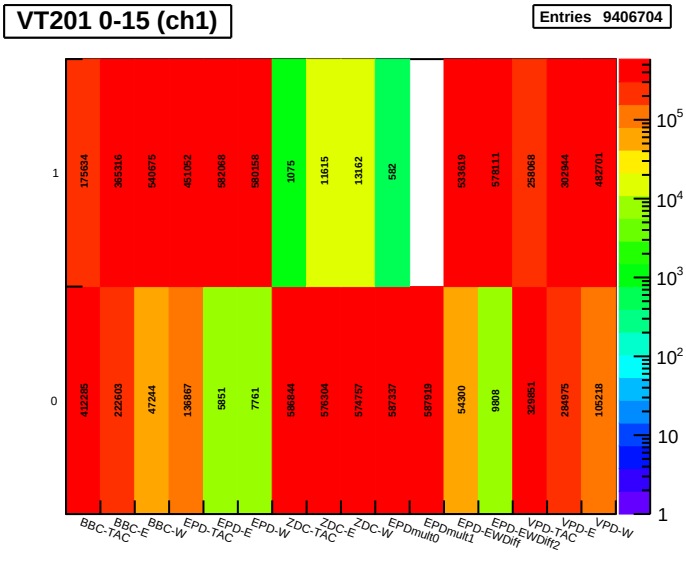

Entries 587919
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

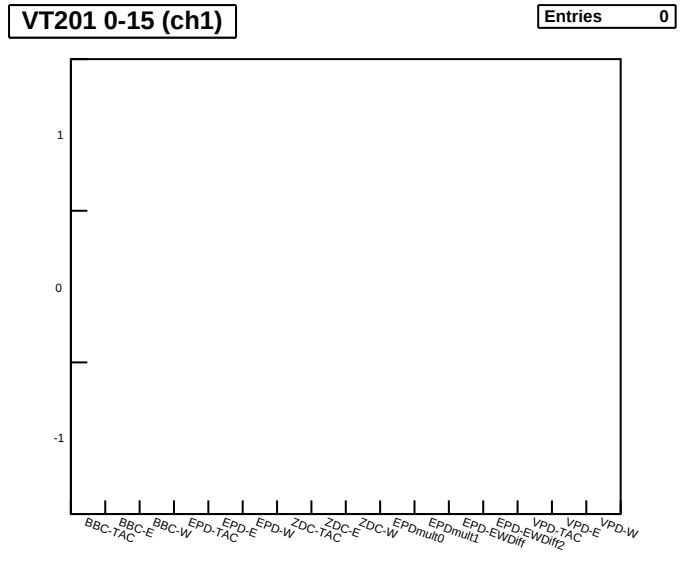

Laser Input Bits
Entries 587919
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

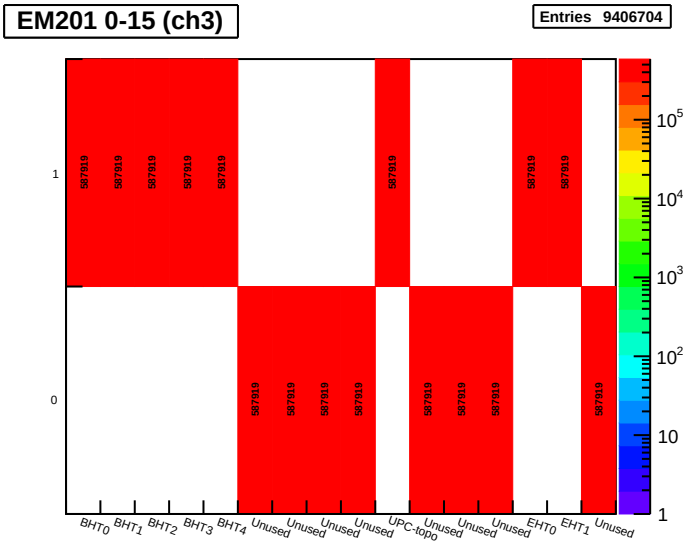

ST201 0-15 (ch6)
Entries 9406704
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587915
587897
4
22
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

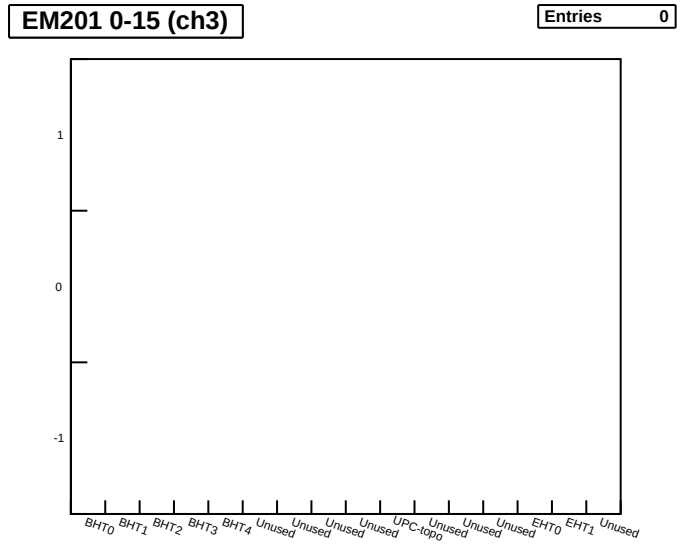

TF201 0-15 (ch0)
Entries 9406704
1
0
587919
583151
556828
539766
424151
520097
522141
517993
587919
587919
587919
587919
587919
587919
587919
4768
31091
49153
163768
587919
65822
65778
69926
587919
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused


VT201 0-15 (ch1)
Entries 9406704
1
0
175634
365316
540675
451052
582068
580158
1075
11615
13162
582
533619
578111
258068
302944
492701
412285
222603
47244
138867
5651
7761
586844
576304
574757
587337
587919
54300
9808
329851
284975
105218
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 9406704
1
0
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
587919
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