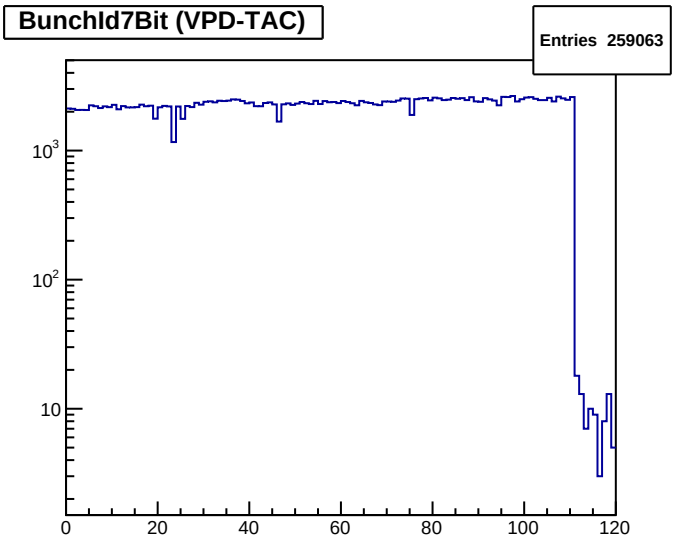
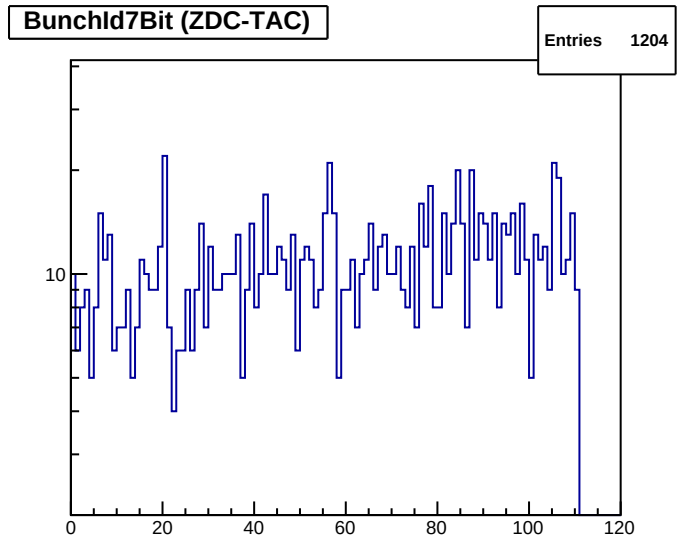
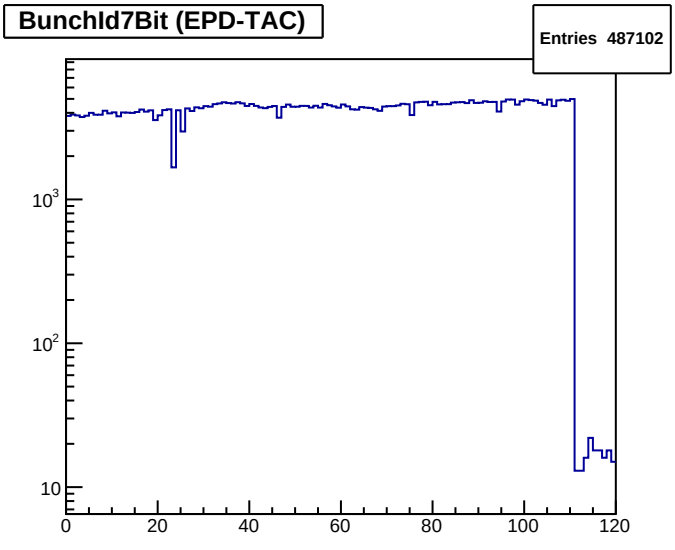
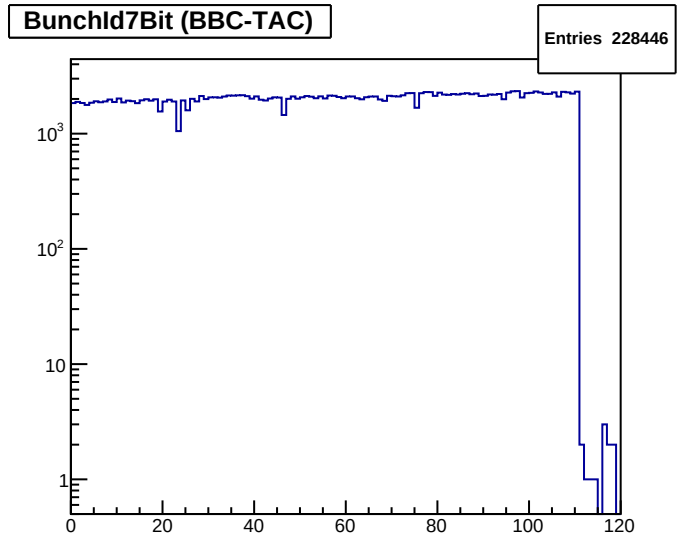
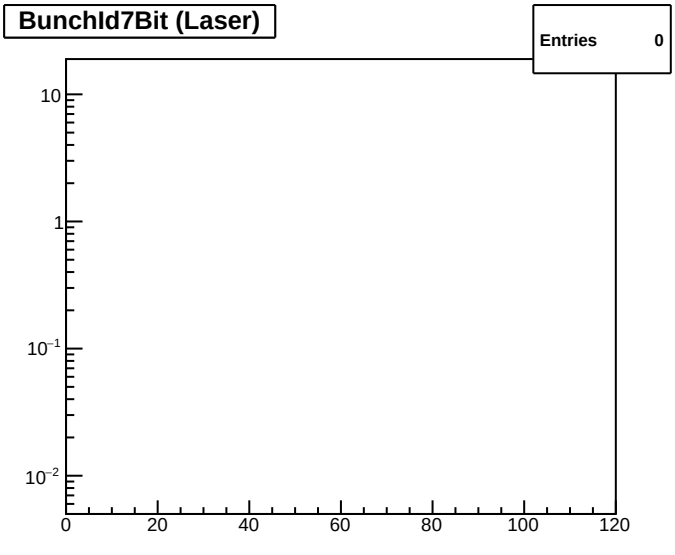
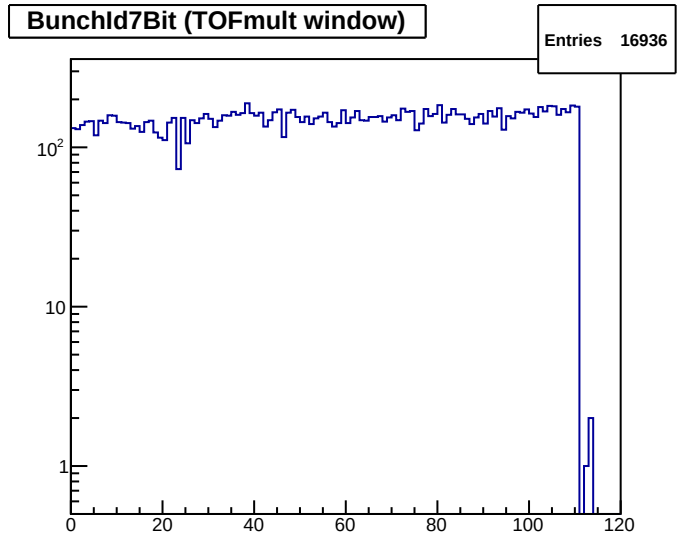

BunchId7Bit (VPD-TAC)
Entries 259063
10^3
10^2
10
0 20 40 60 80 100 120

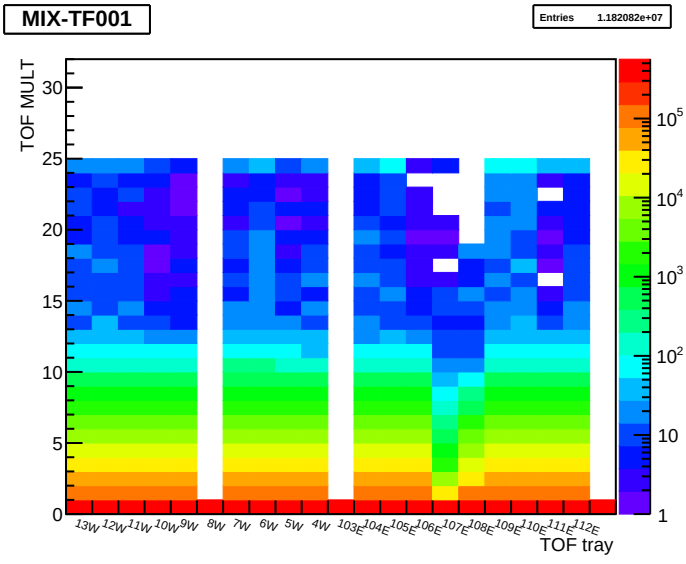

BunchId7Bit (ZDC-TAC)
Entries 1204
10
0 20 40 60 80 100 120

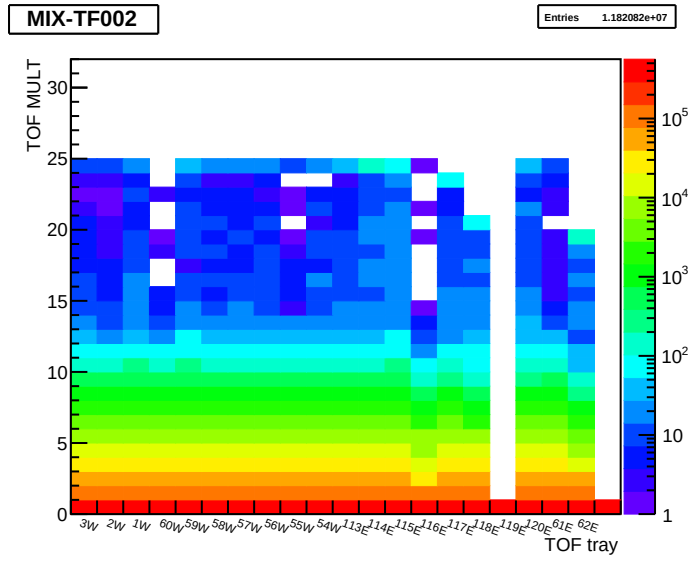

BunchId7Bit (EPD-TAC)
Entries 487102
10^3
10^2
10
0 20 40 60 80 100 120

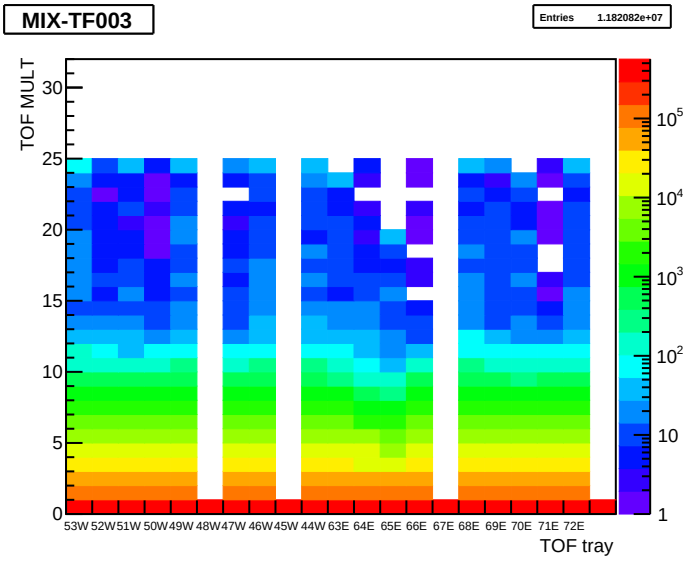

BunchId7Bit (BBC-TAC)
Entries 228446
10^3
10^2
10
1
0 20 40 60 80 100 120

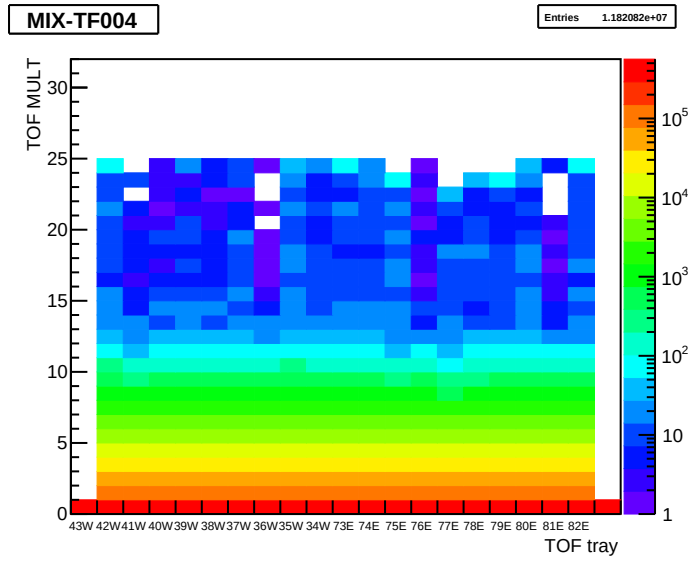

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

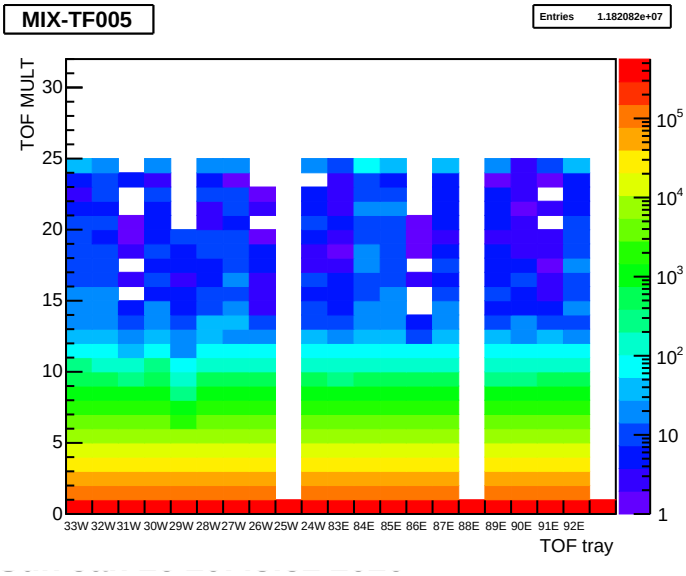

BunchId7Bit (TOFmult window)
Entries 16936
10^2
10
1
0 20 40 60 80 100 120

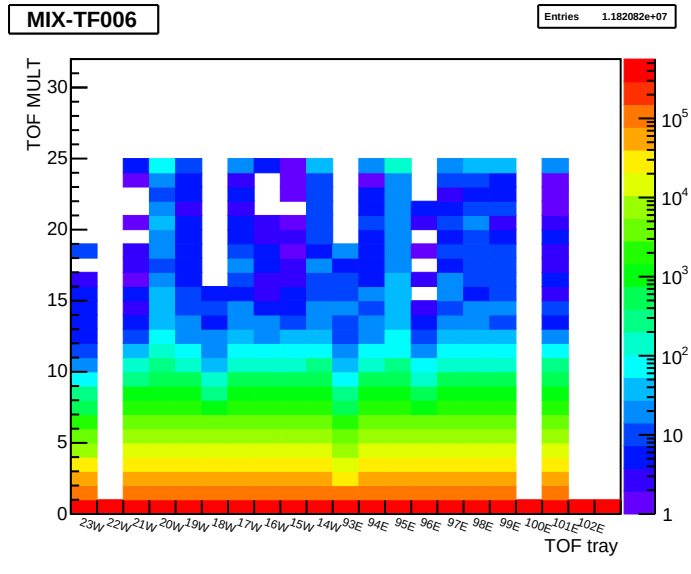

MIX-TF001
Entries 1.182082e+07
TOF MULT
TOF tray

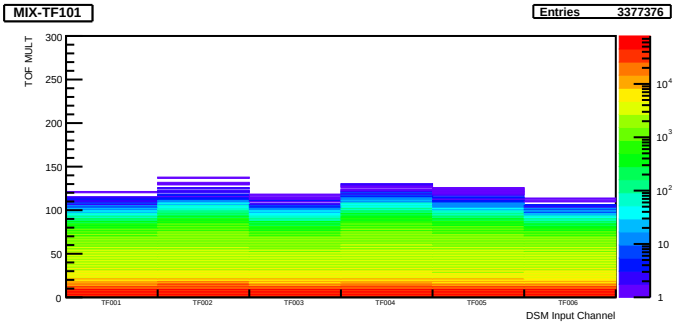

MIX-TF002
Entries 1.182082e+07
TOF MULT
TOF tray

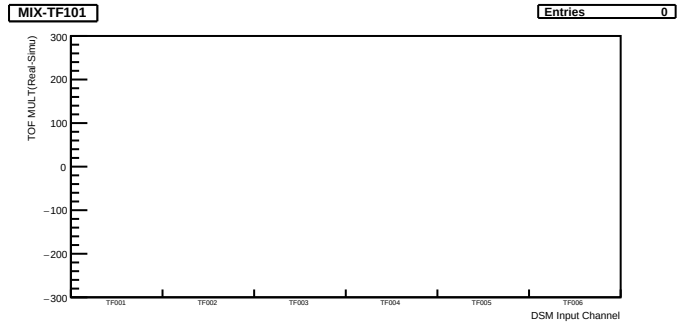

MIX-TF003
Entries 1.182082e+07
TOF MULT
TOF tray

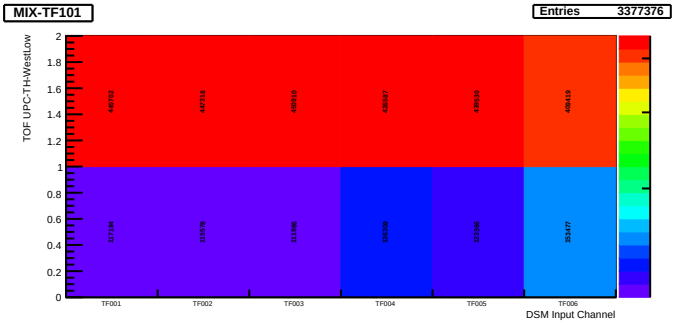

MIX-TF004
Entries 1.182082e+07
TOF MULT
TOF tray

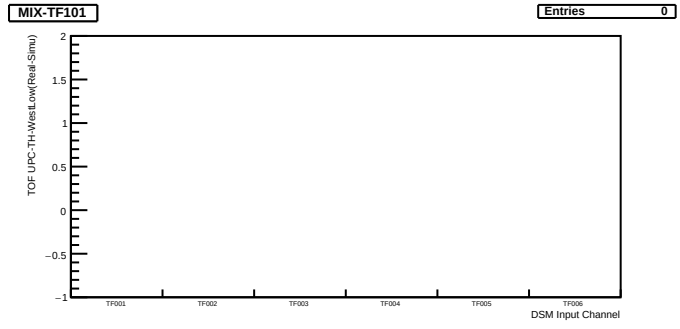

MIX-TF005
Entries 1.182082e+07
TOF MULT
TOF tray

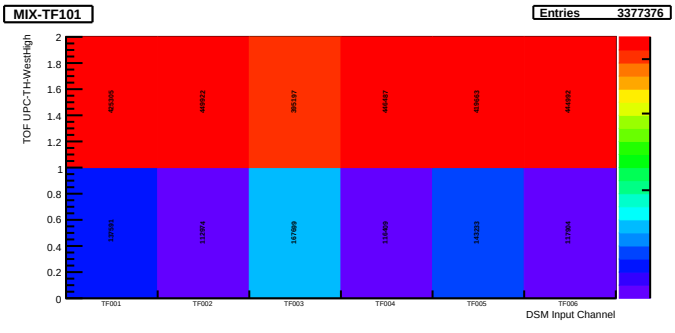

MIX-TF006
Entries 1.182082e+07
TOF MULT
TOF tray

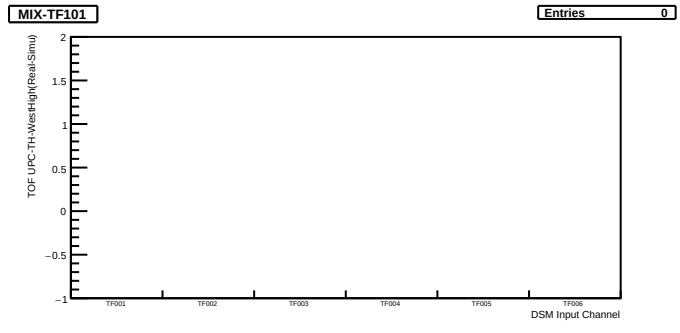

MIX-TF101
Entries 3377376
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

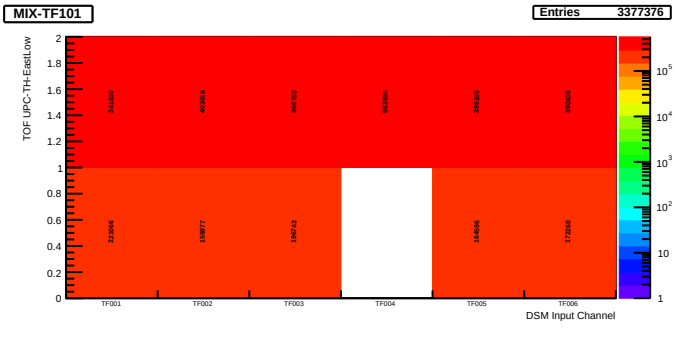

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

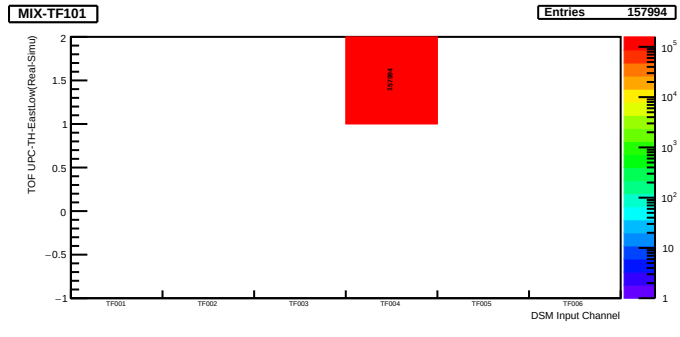

MIX-TF101
Entries 3377376
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

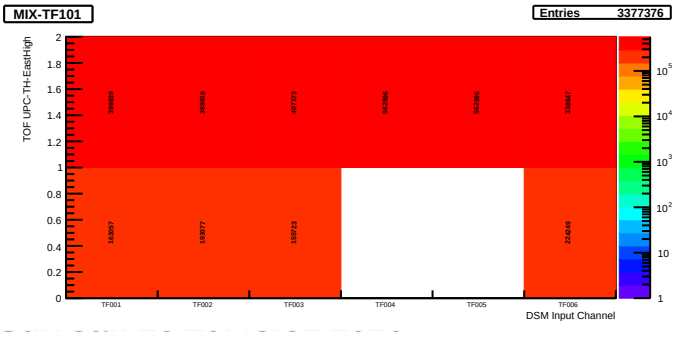

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

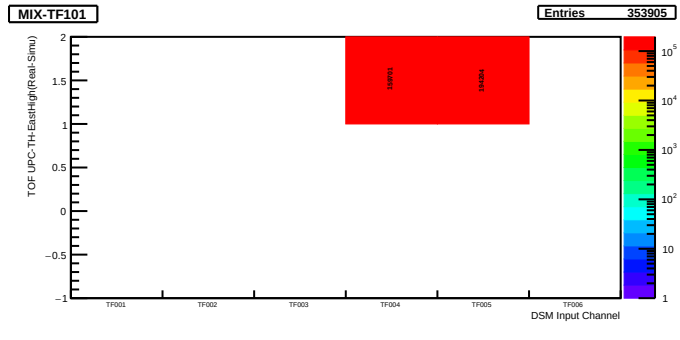

MIX-TF101
Entries 3377376
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

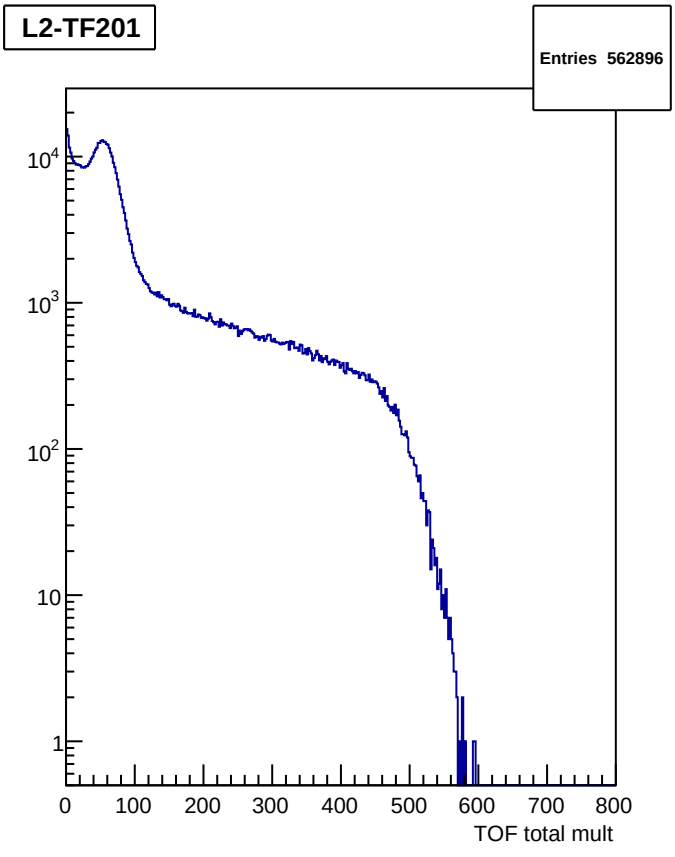

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

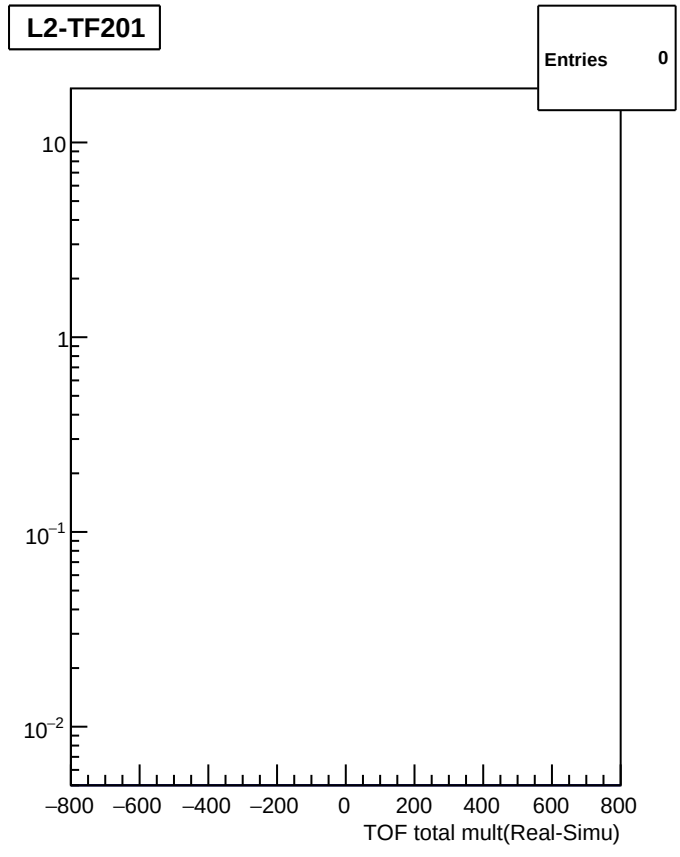

MIX-TF101
Entries 3377376
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

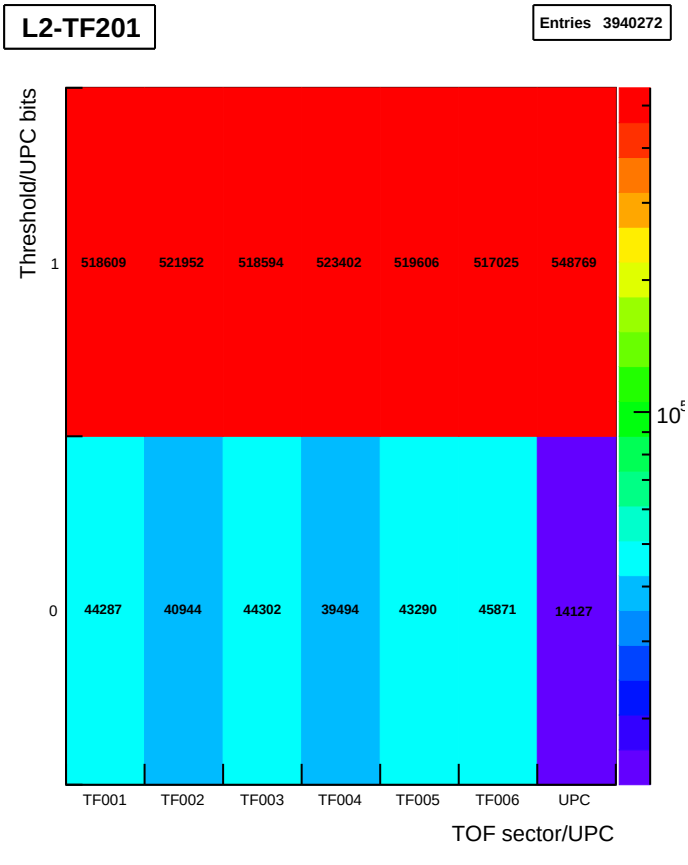

MIX-TF101
Entries 157994
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

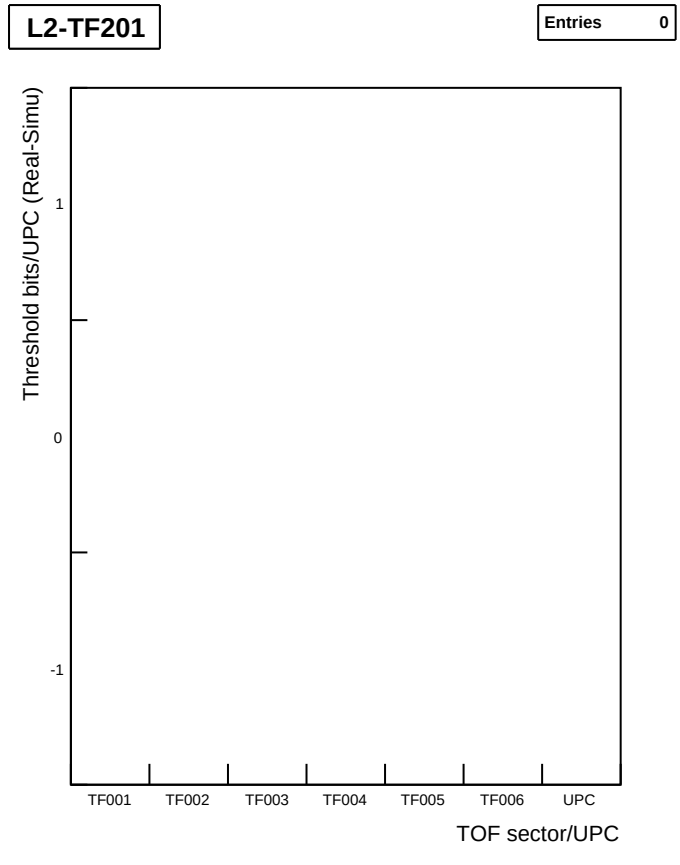

MIX-TF101
Entries 3377376
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

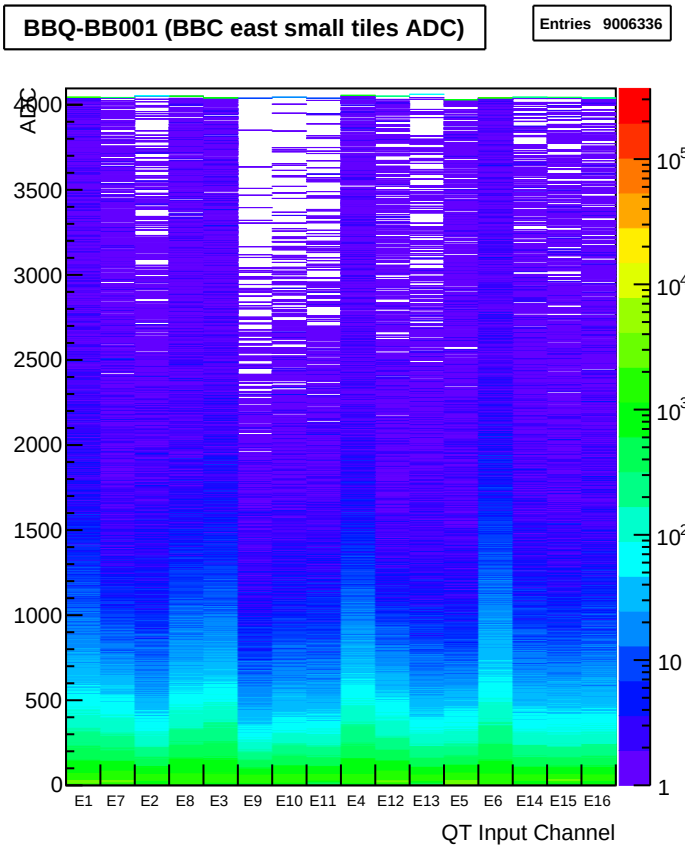

MIX-TF101
Entries 353905
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

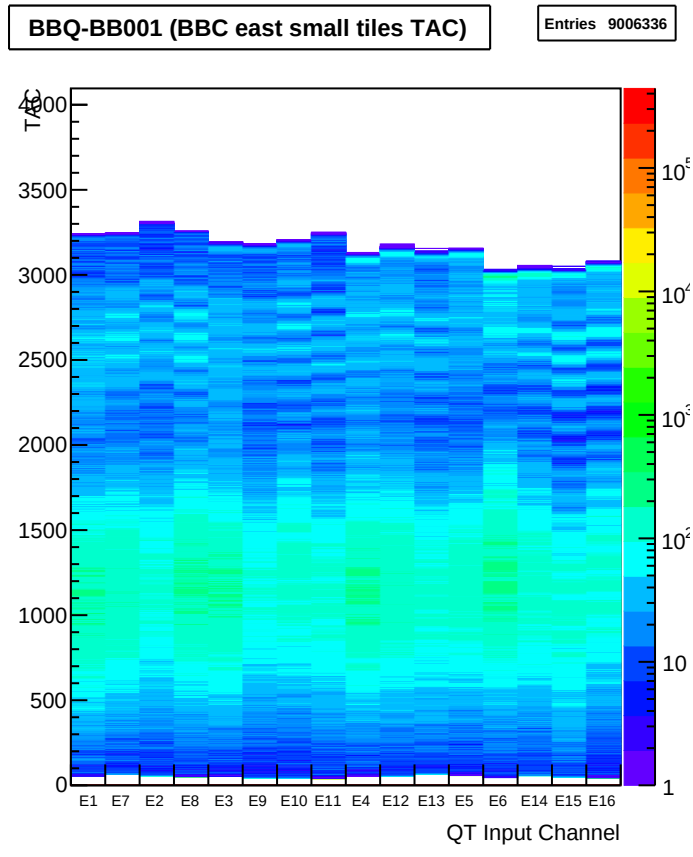

L2-TF201
Entries 562896
TOF total mult

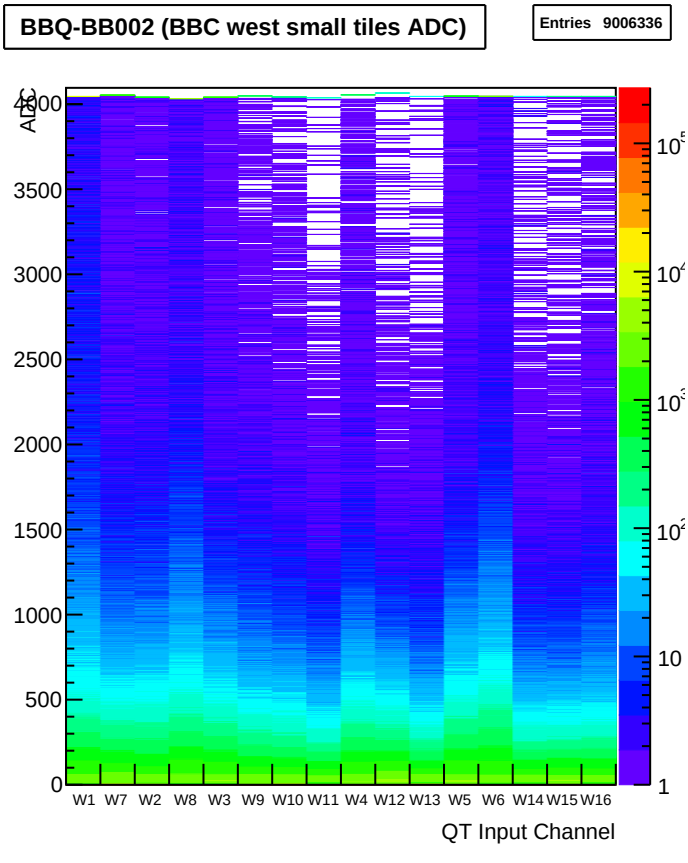

L2-TF201
Entries 0
TOF total mult(Real-Simu)

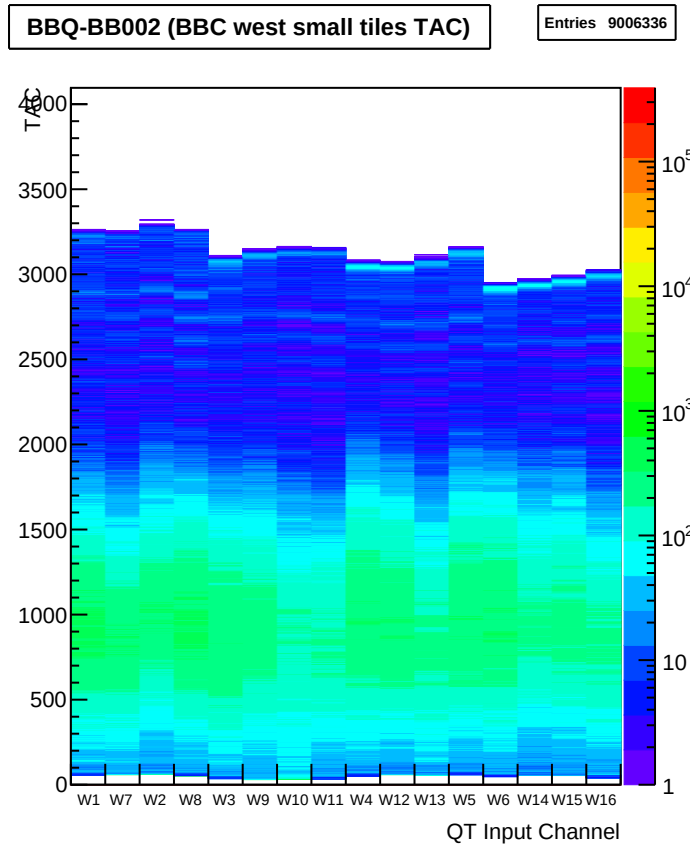

L2-TF201
Entries 3940272
Threshold/UPC bits
518609
521952
518594
523402
519606
517025
548769
44287
40944
44302
39494
43290
45871
14127
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

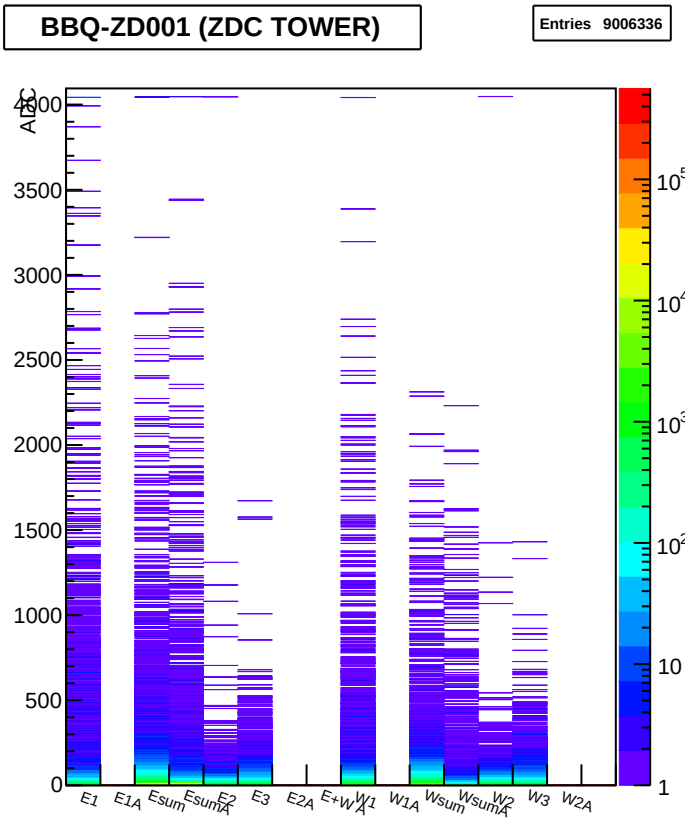

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

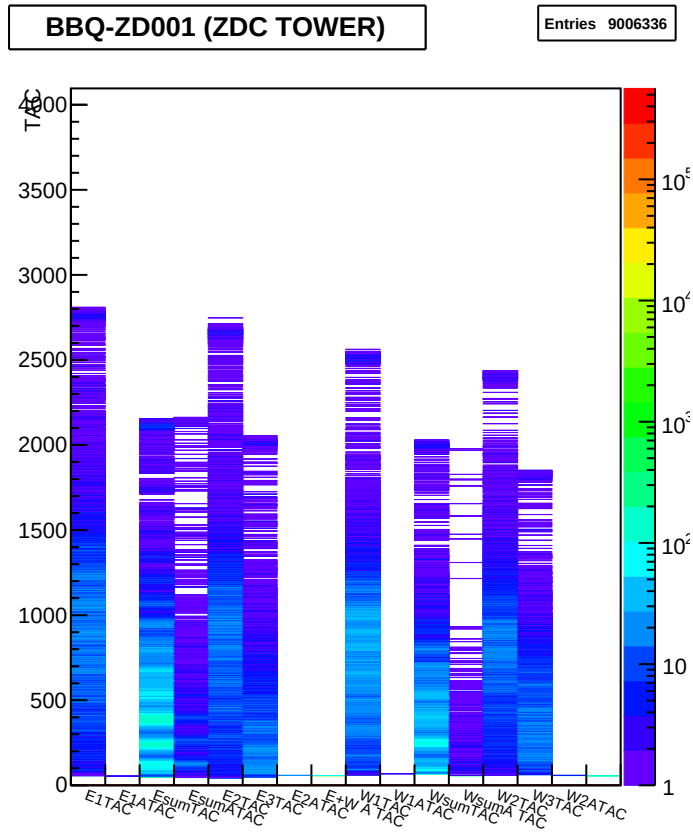

BBQ-BB001 (BBC east small tiles ADC)
Entries 9006336
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

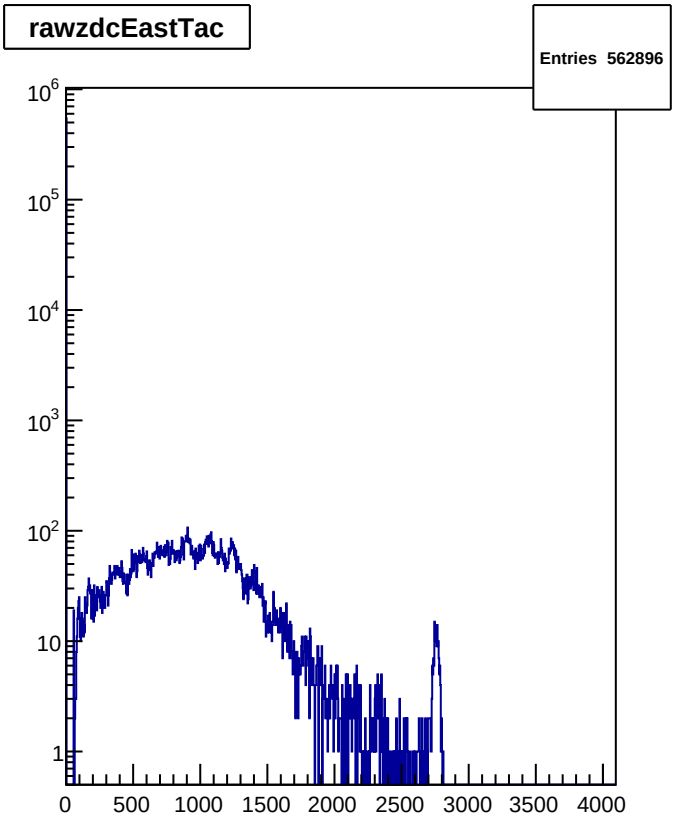

BBQ-BB001 (BBC east small tiles TAC)
Entries 9006336
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

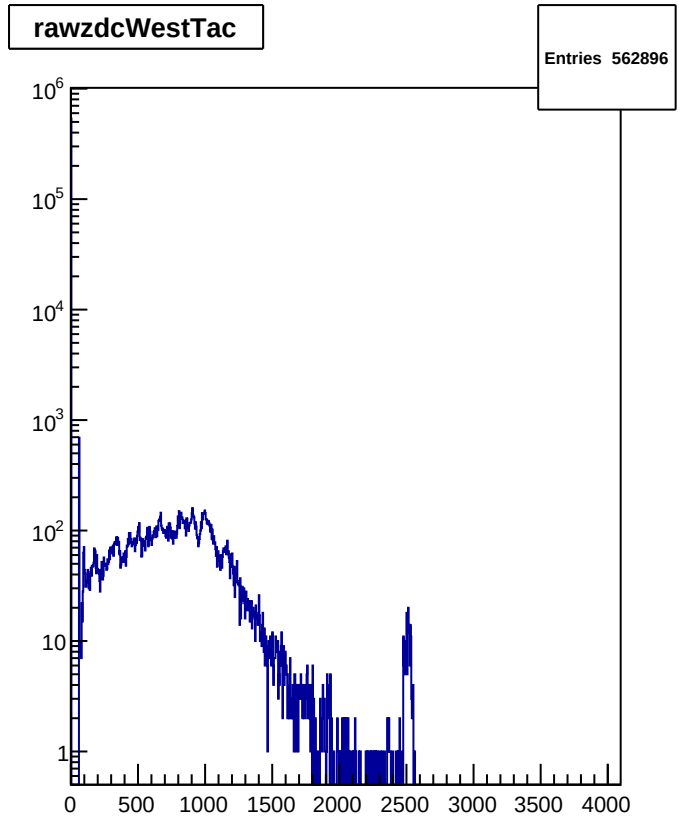

BBQ-BB002 (BBC west small tiles ADC)
Entries 9006336
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

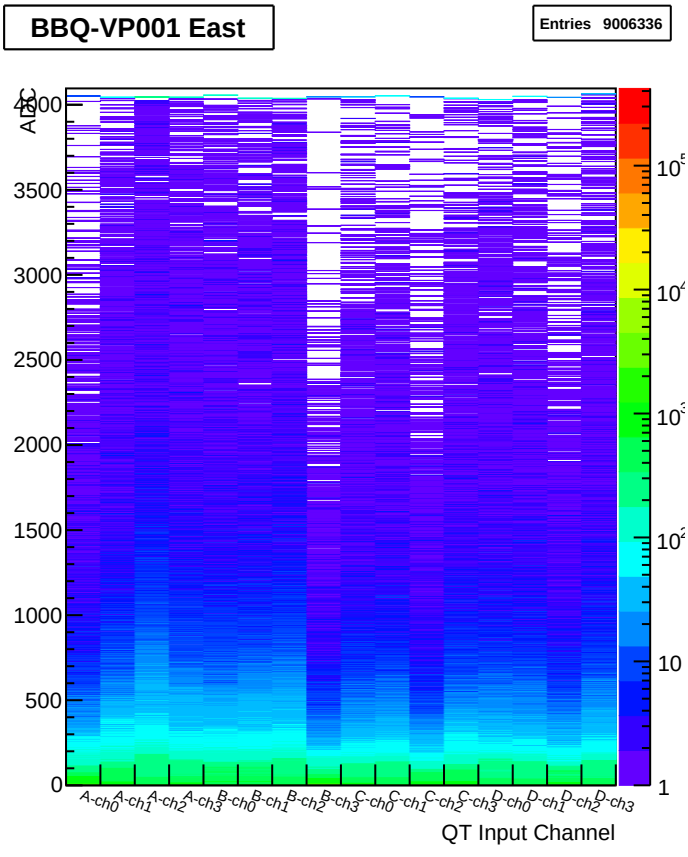

BBQ-BB002 (BBC west small tiles TAC)
Entries 9006336
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

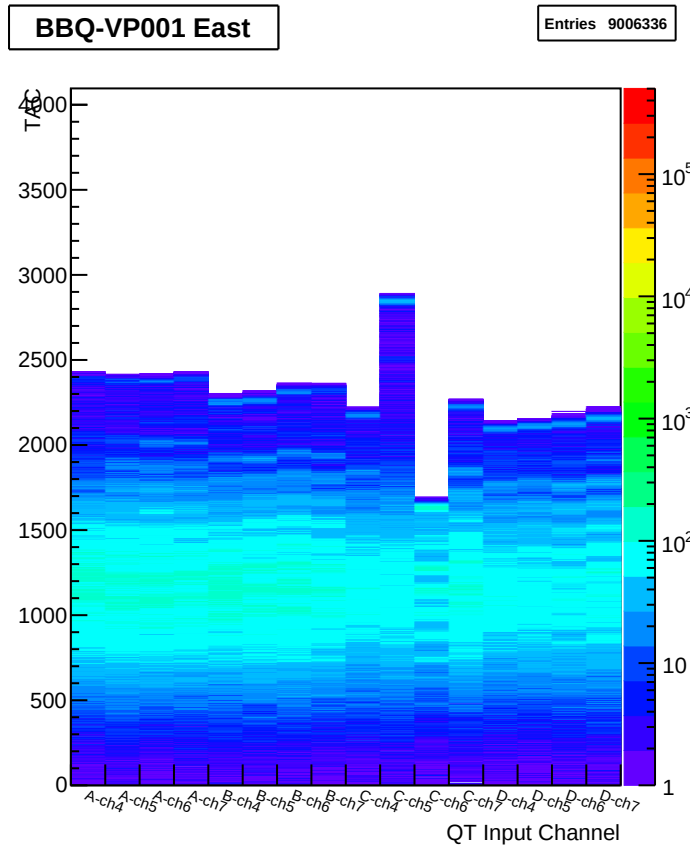

BBQ-ZD001 (ZDC TOWER)
Entries 9006336
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

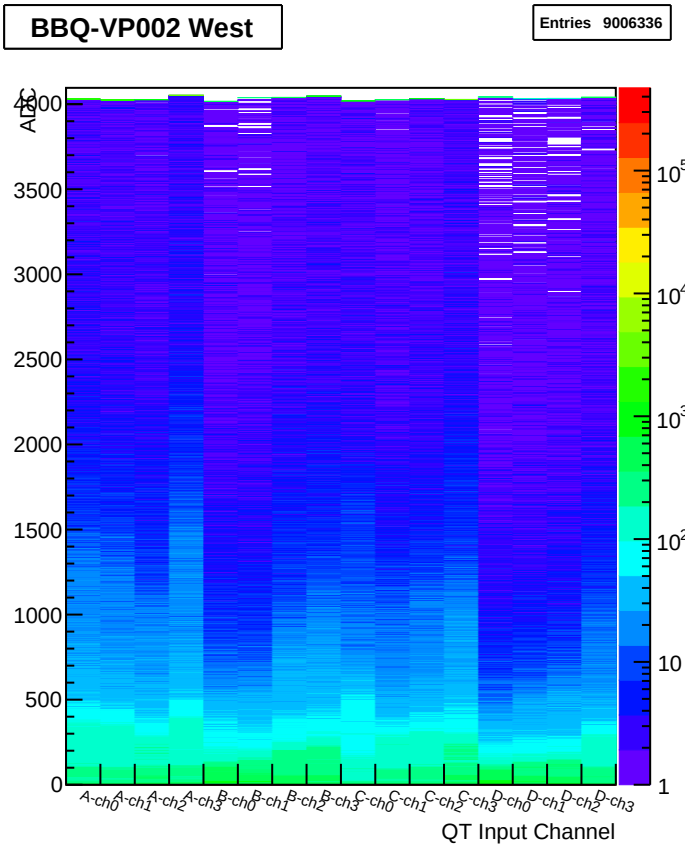

BBQ-ZD001 (ZDC TOWER)
Entries 9006336
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

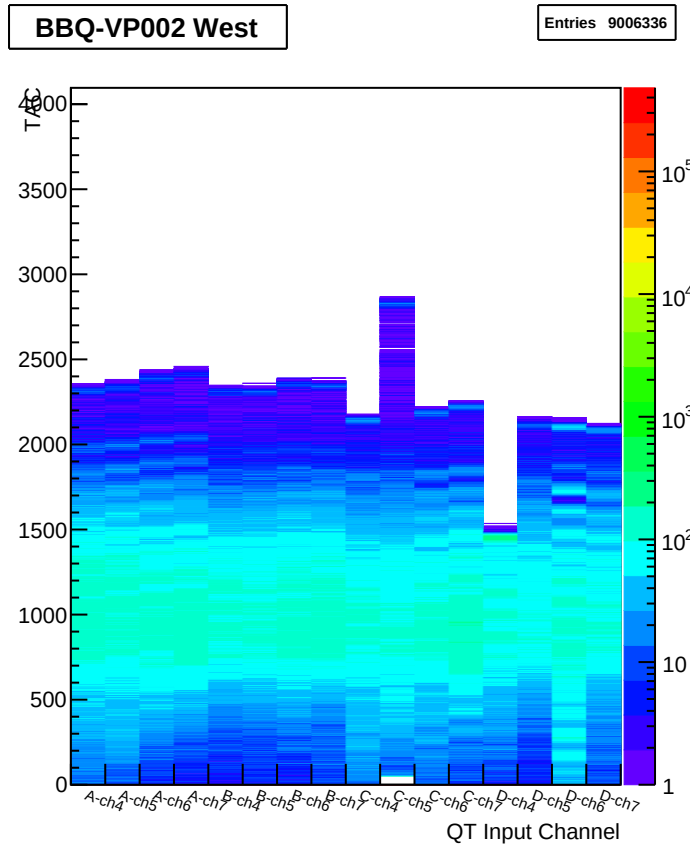

rawzdcEastTac
Entries 562896

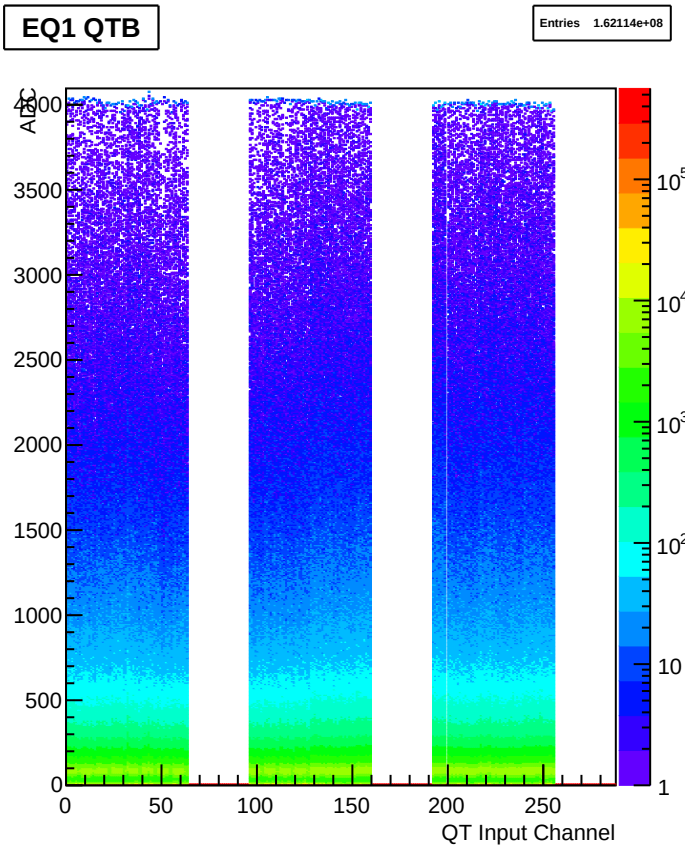

rawzdcWestTac
Entries 562896

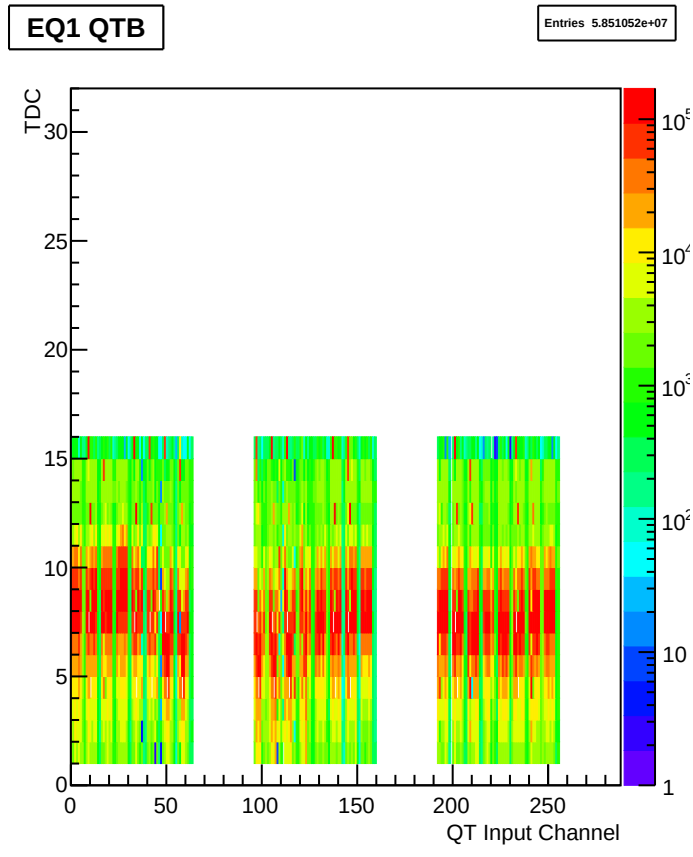

BBQ-VP001 East
Entries 9006336
ADC
QT Input Channel

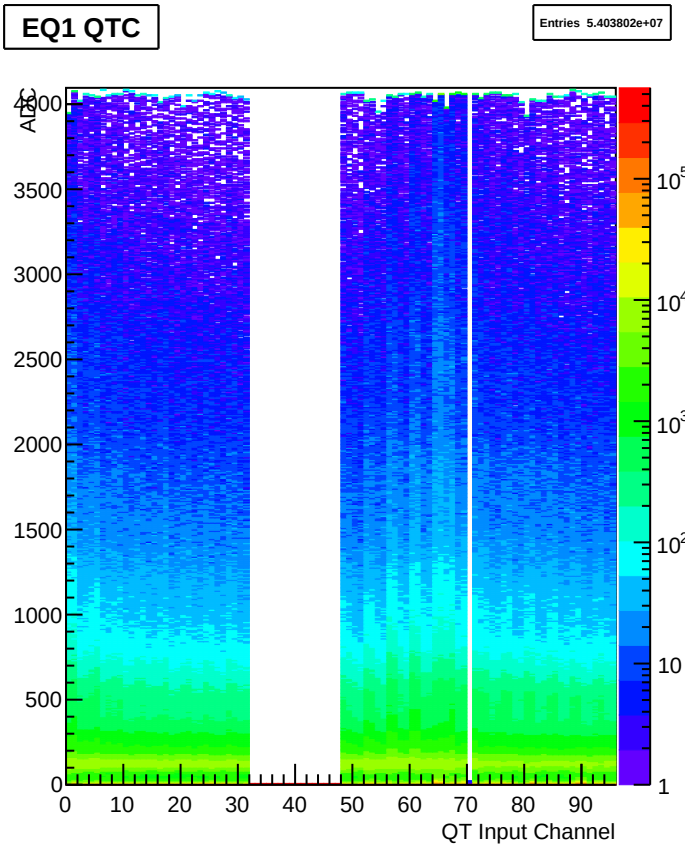

BBQ-VP001 East
Entries 9006336
ADC
QT Input Channel

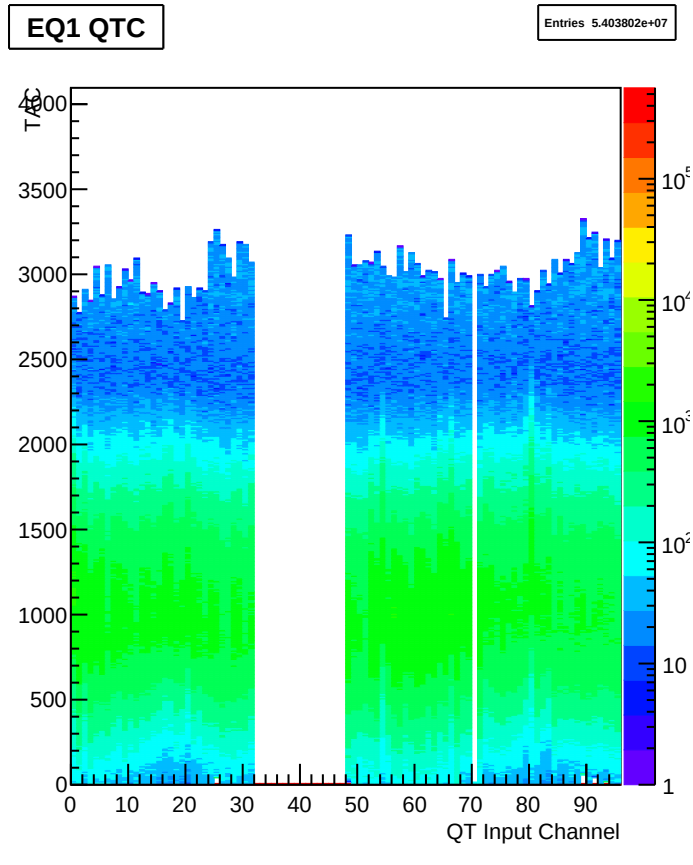

BBQ-VP002 West
Entries 9006336
ADC
QT Input Channel

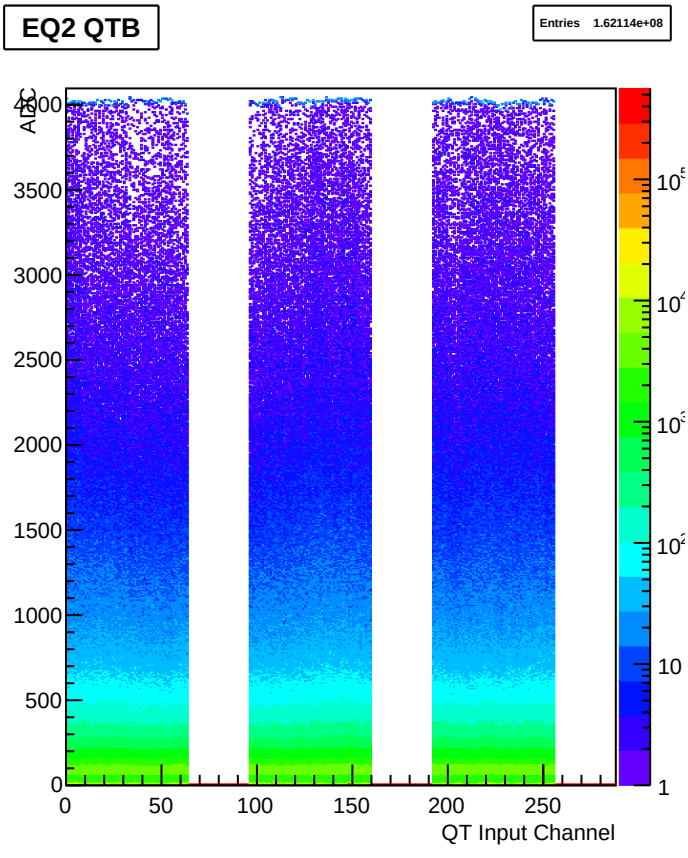

BBQ-VP002 West
Entries 9006336
ADC
QT Input Channel

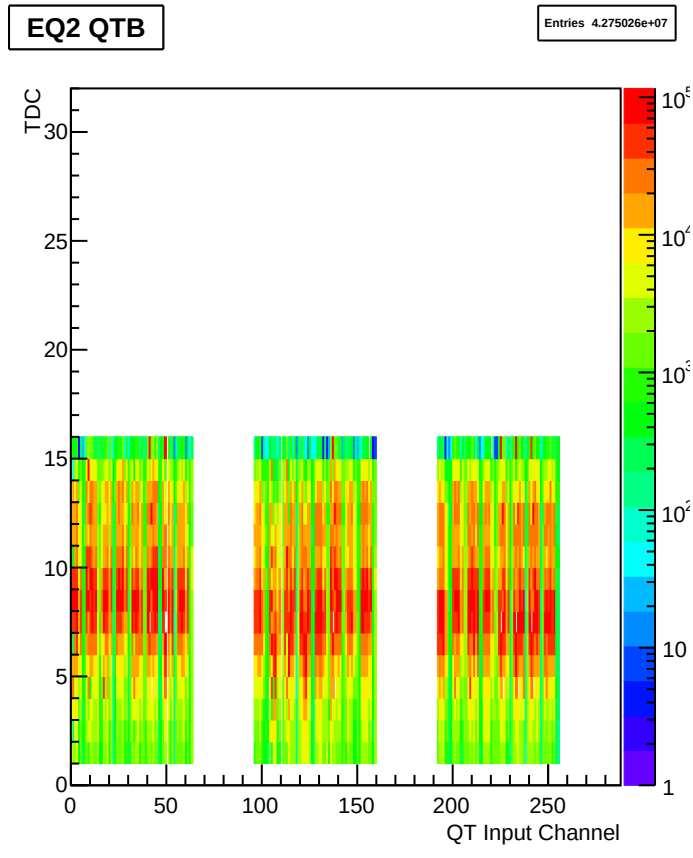

EQ1 QTB
Entries 1.62114e+08
ADC
QT Input Channel

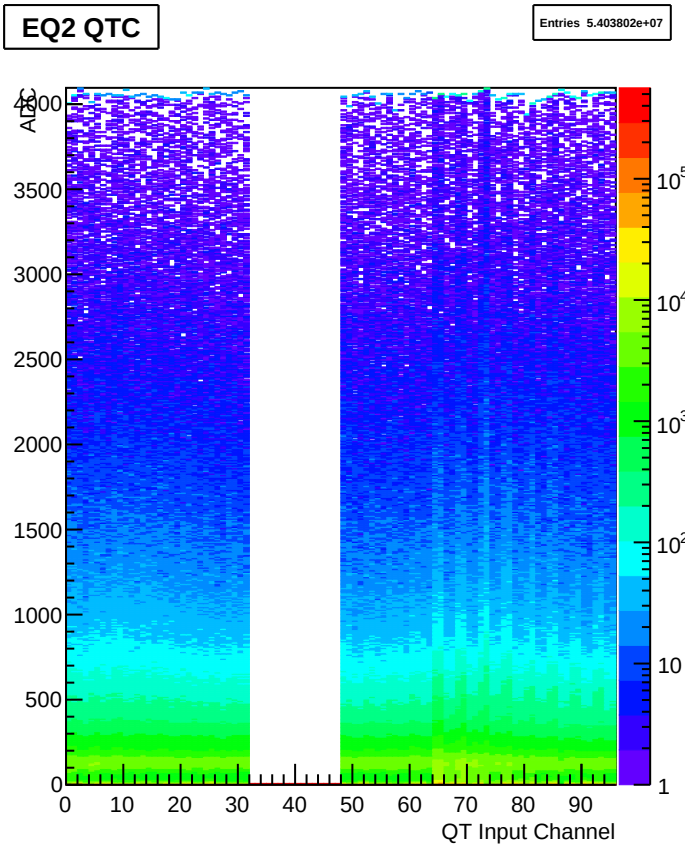

EQ1 QTB
Entries 5.851052e+07
TDC
QT Input Channel

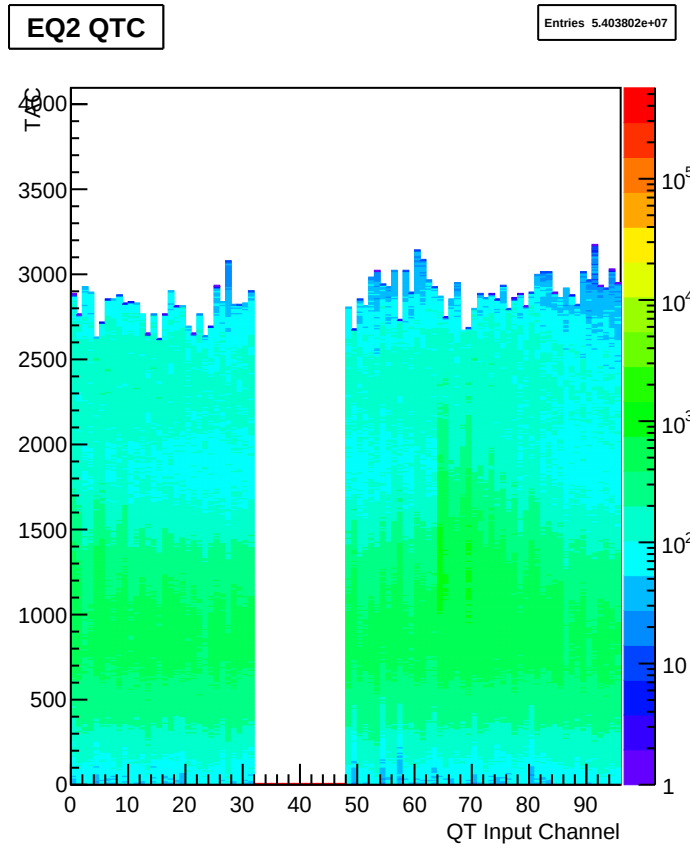

EQ1 QTC
Entries 5.403802e+07
ADC
QT Input Channel

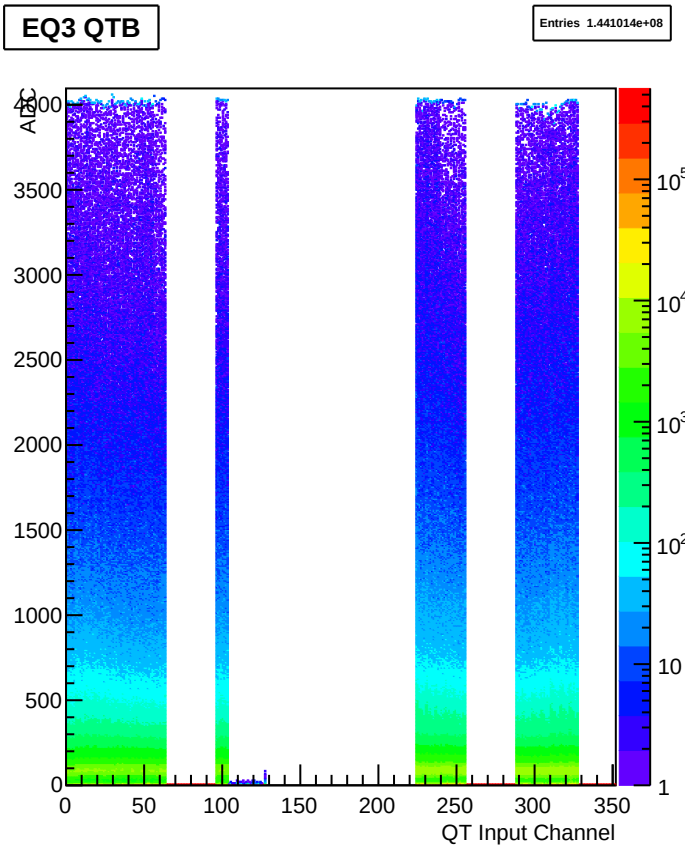

EQ1 QTC
Entries 5.403802e+07
TADC
QT Input Channel

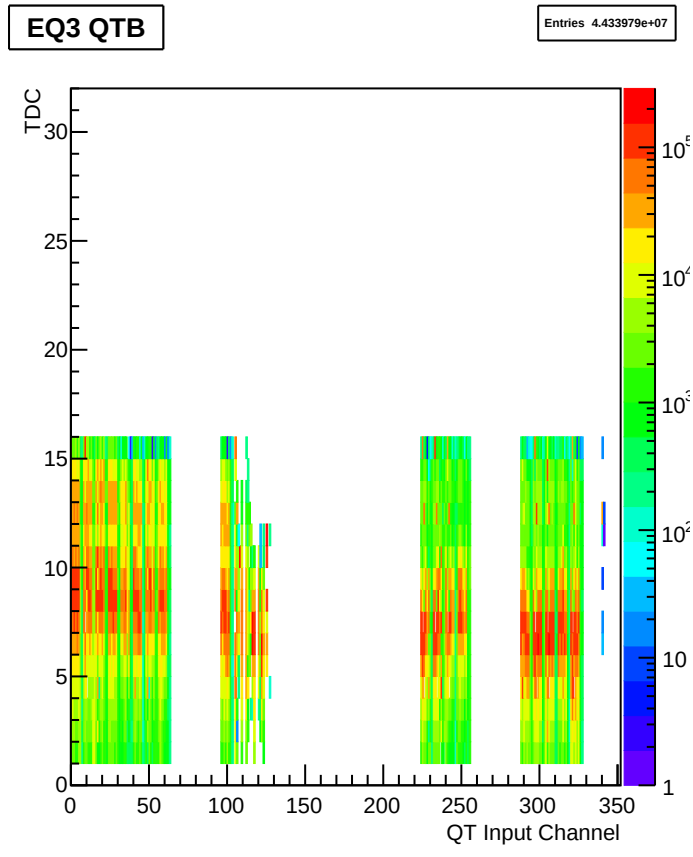

EQ2 QTB
Entries 1.62114e+08
ADC
QT Input Channel

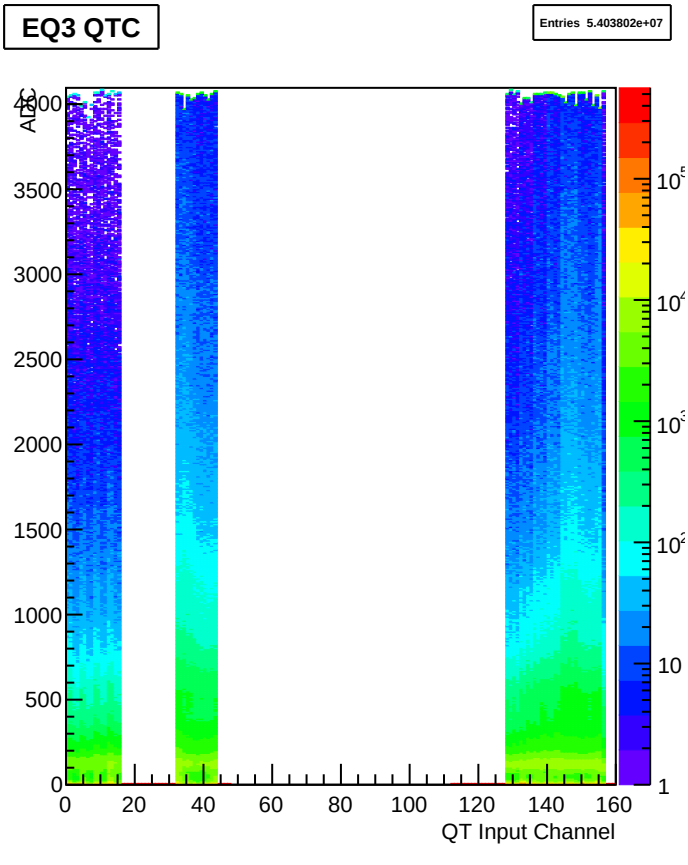

EQ2 QTB
Entries 4.275026e+07
TDC
QT Input Channel

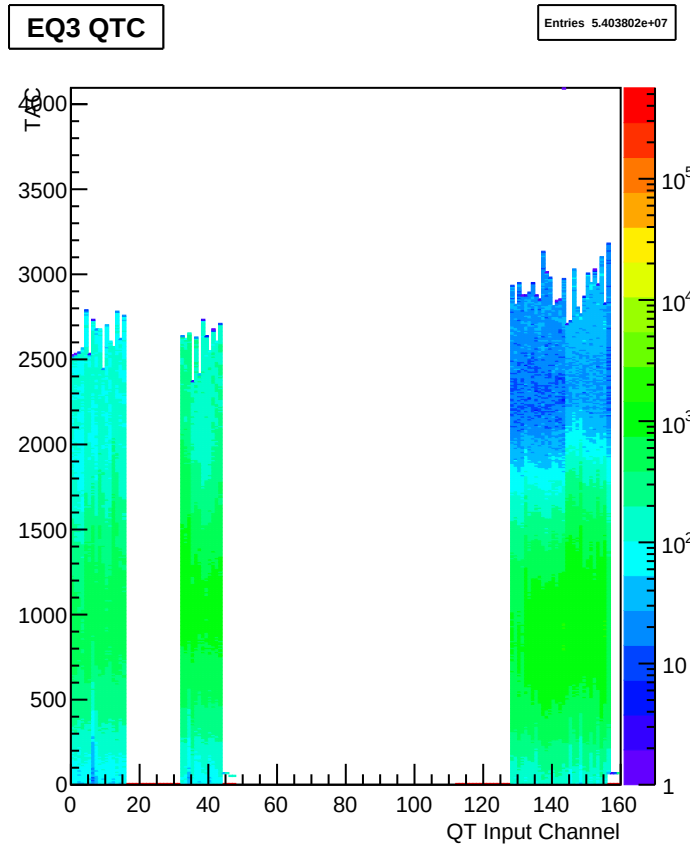

EQ2 QTC
Entries 5.403802e+07
ADC
QT Input Channel

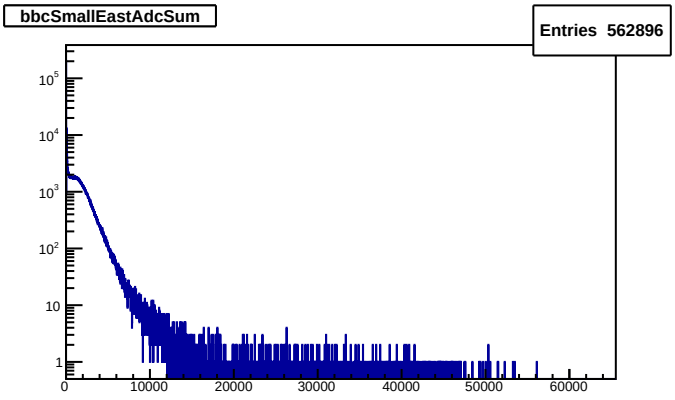

EQ2 QTC
Entries 5.403802e+07
TADC
QT Input Channel

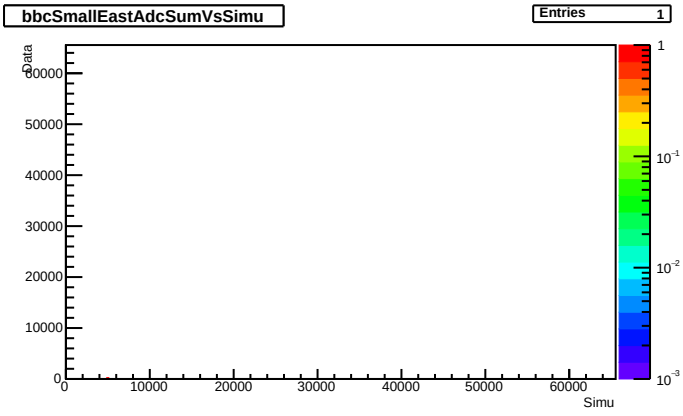

EQ3 QTB
Entries 1.441014e+08
ADC
QT Input Channel

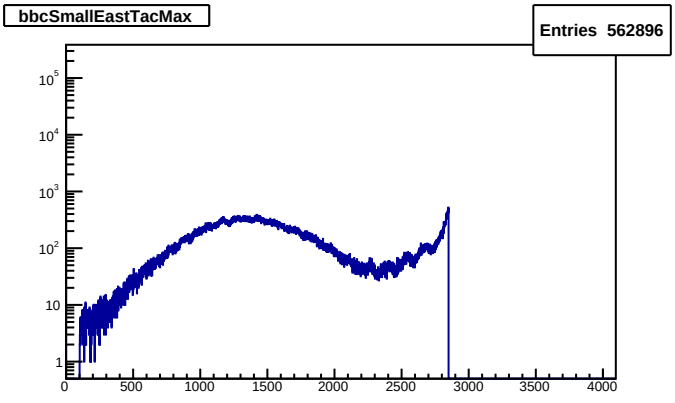

EQ3 QTB
Entries 4.433979e+07
TDC
QT Input Channel

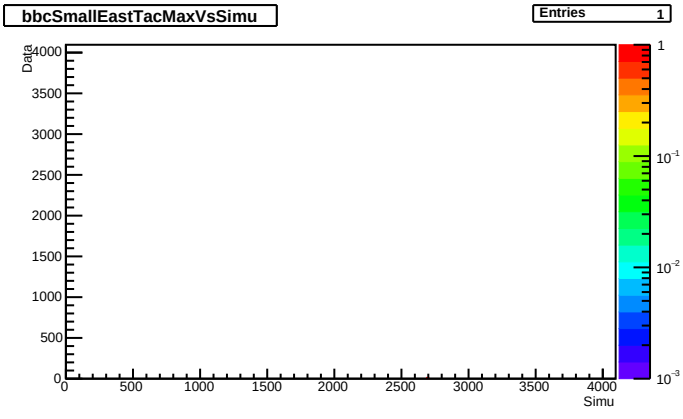

EQ3 QTC
Entries 5.403802e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.403802e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 562896


bbcSmallEastAdcSumVsSimu
Entries 1
Data
Simu


bbcSmallEastTacMax
Entries 562896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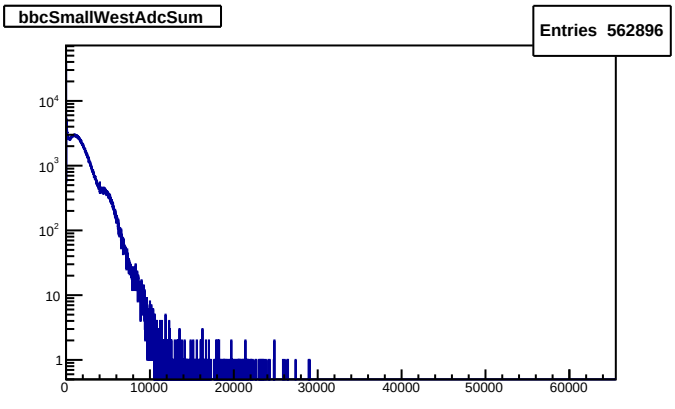
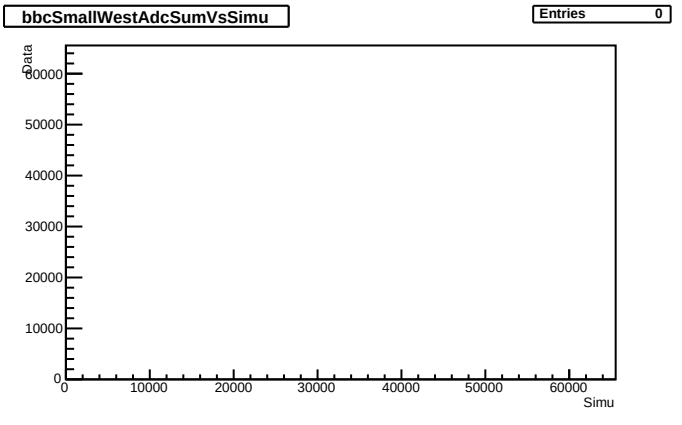
Entries 1
Data
Simu


bbcSmallWestAdcSum
Entries 562896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Entries 0
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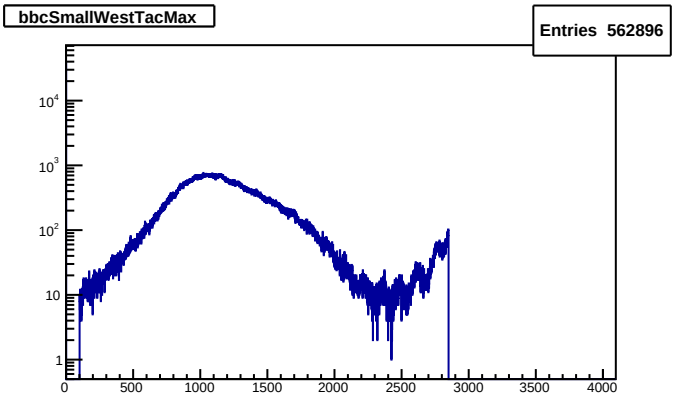
Simu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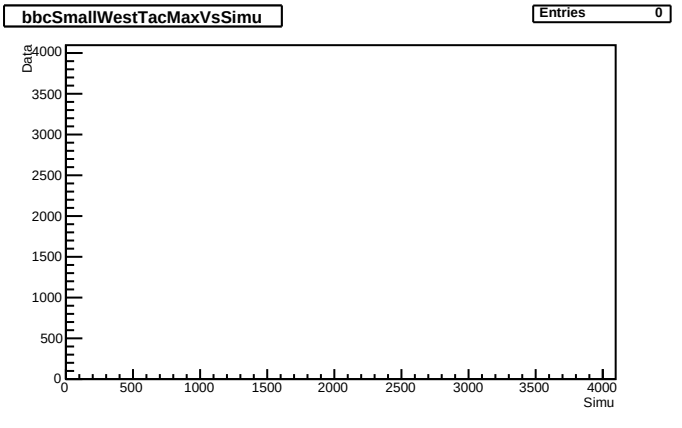
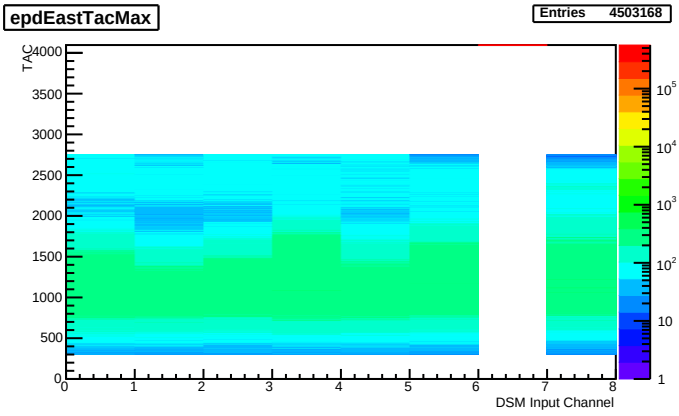
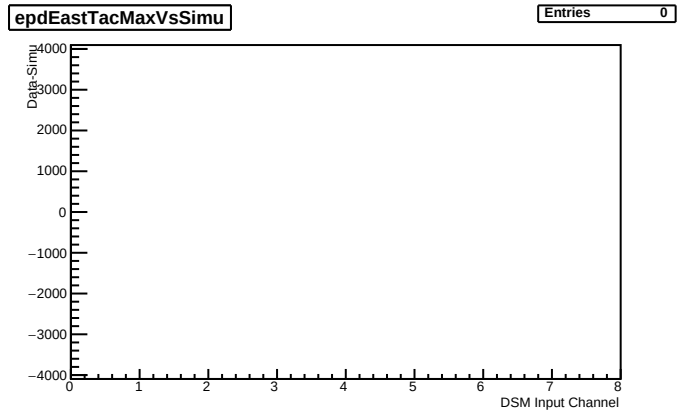
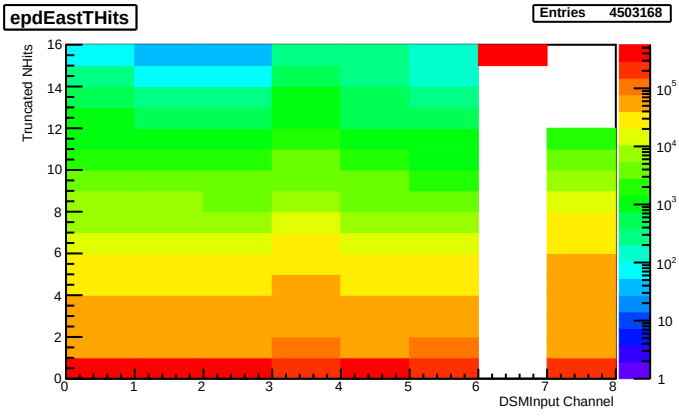
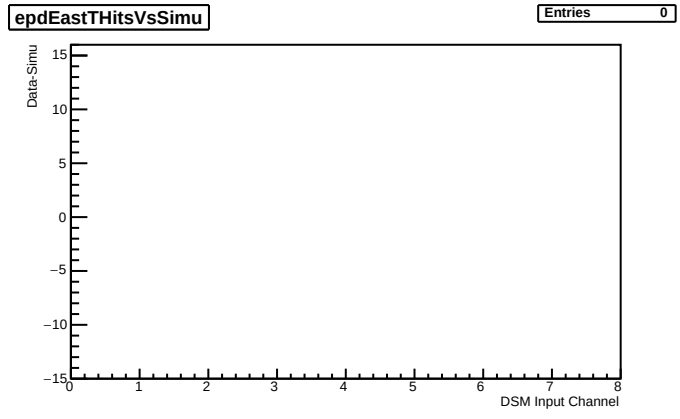
Entries 562896


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4503168
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4503168
Truncated NHits
DSMInput Channel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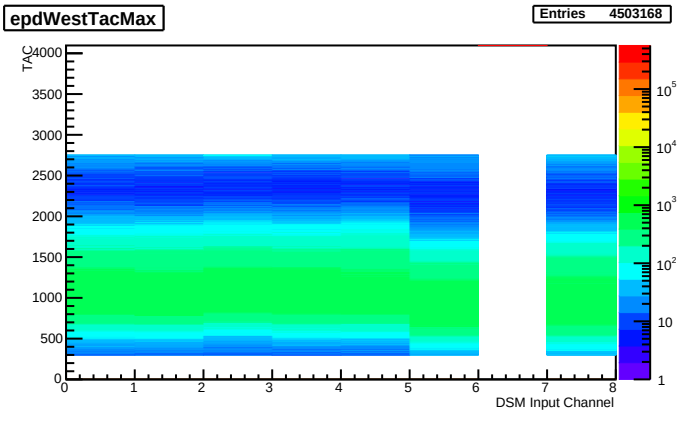
Data-Simu
DSM Input Channel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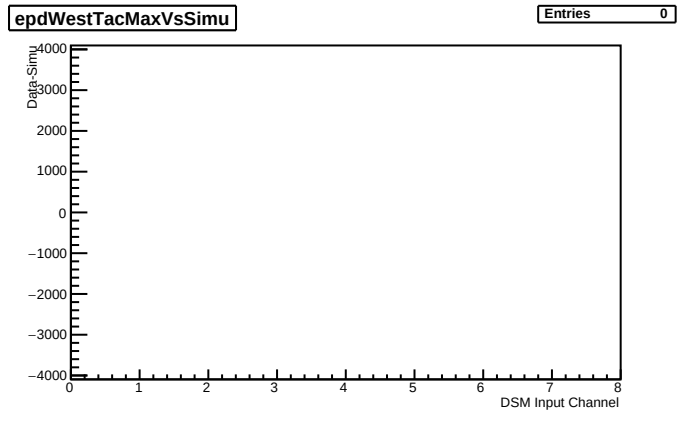
Entries 4503168
TAC
DSM Input Channel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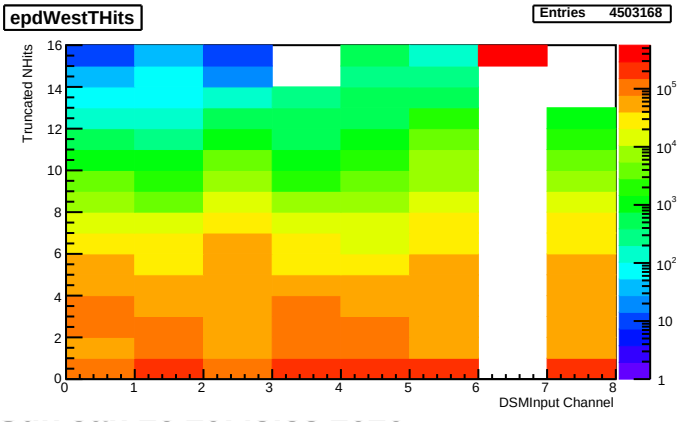
Entries 0
Data-Simu
DSM Input Channel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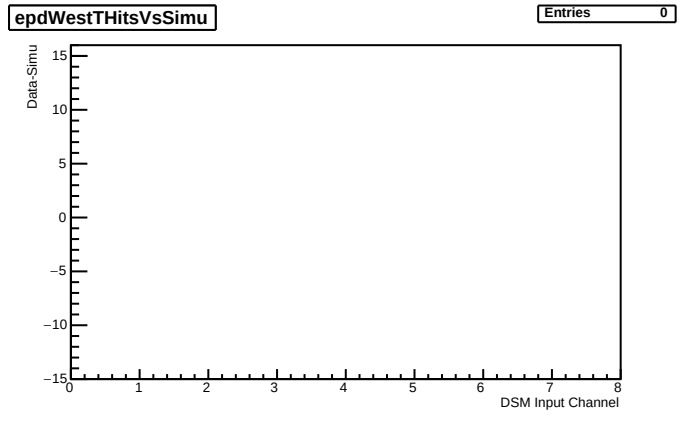
Entries 4503168
Truncated NHits
DSMInput Channel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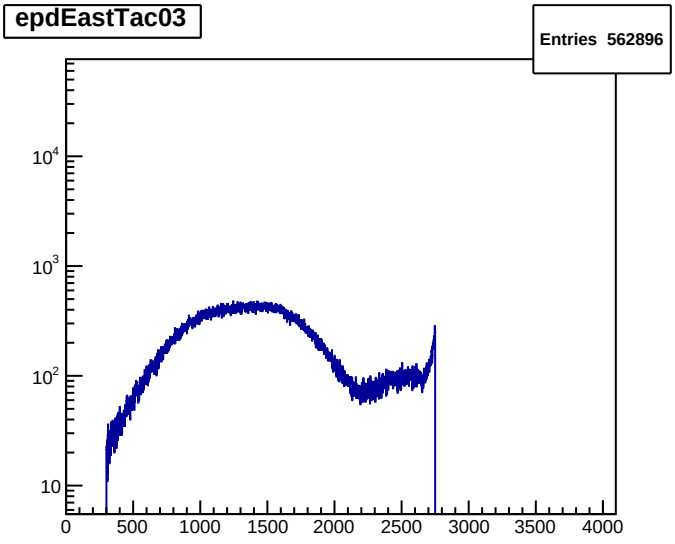
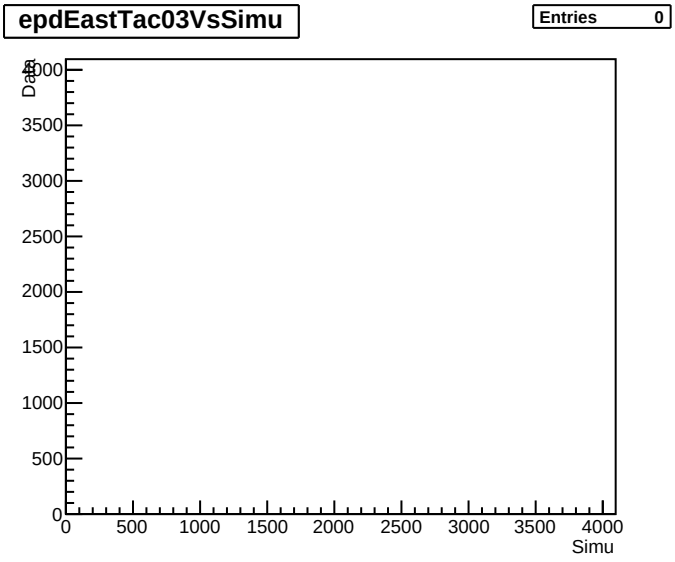
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 562896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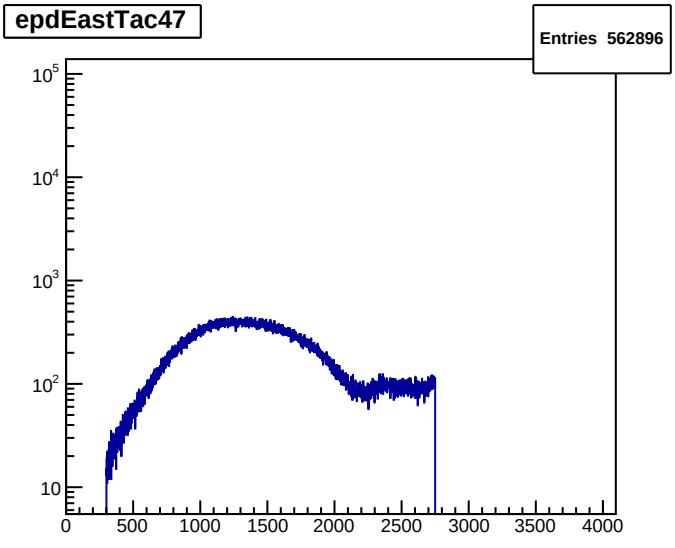
Entries 0
Data
Simu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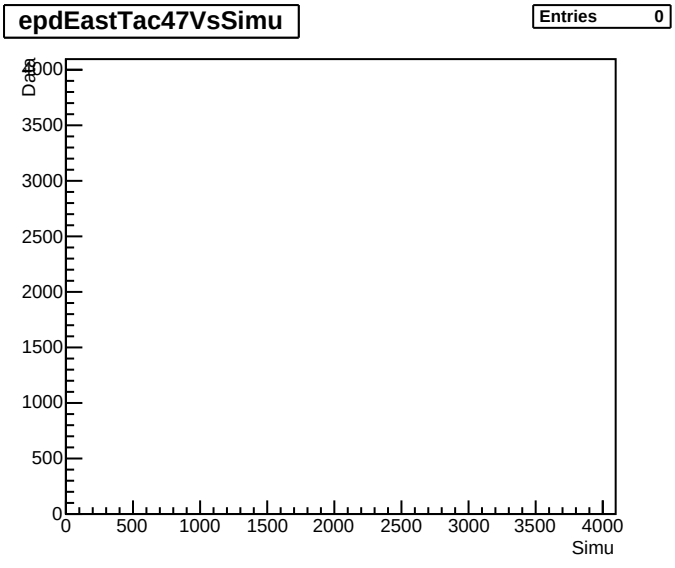
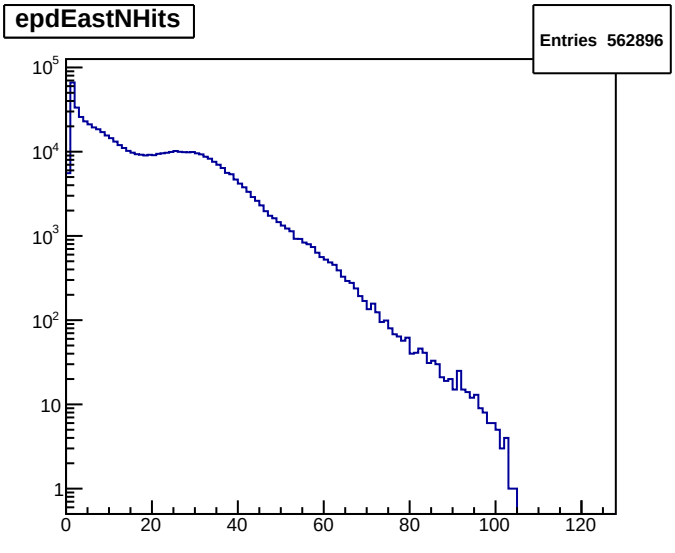
Entries 562896


epdEastTac47VsSimu
Entries 0
Data
Simu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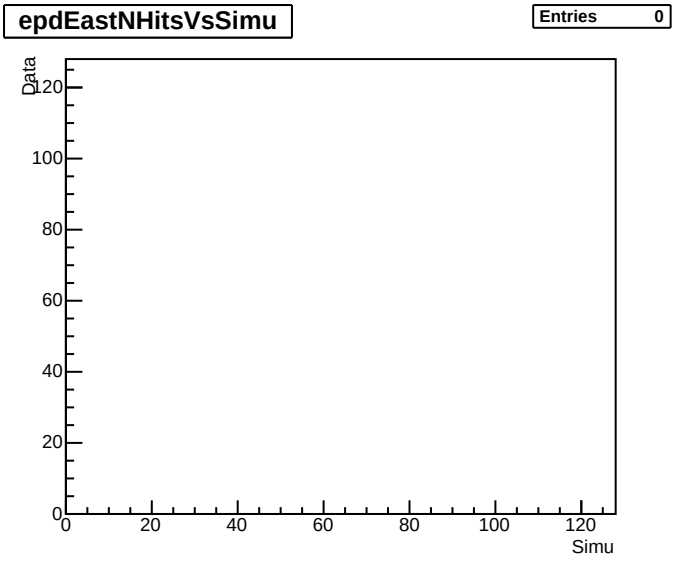
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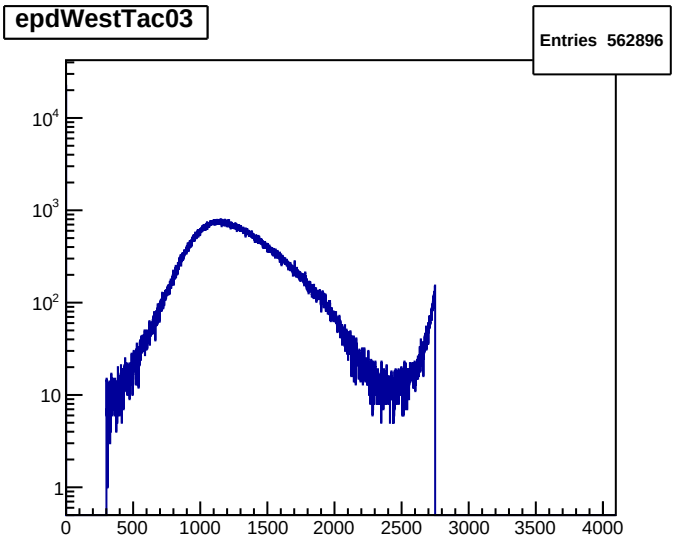
Entries 0
Data
Simu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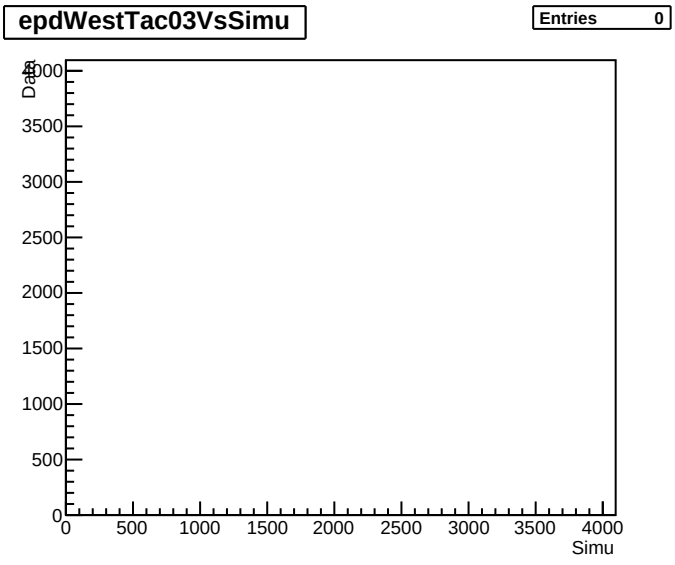
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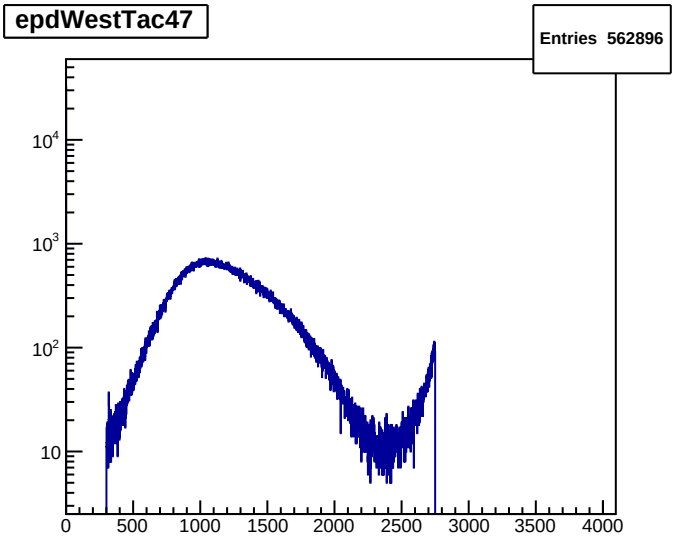
Entries 0
Data
Simu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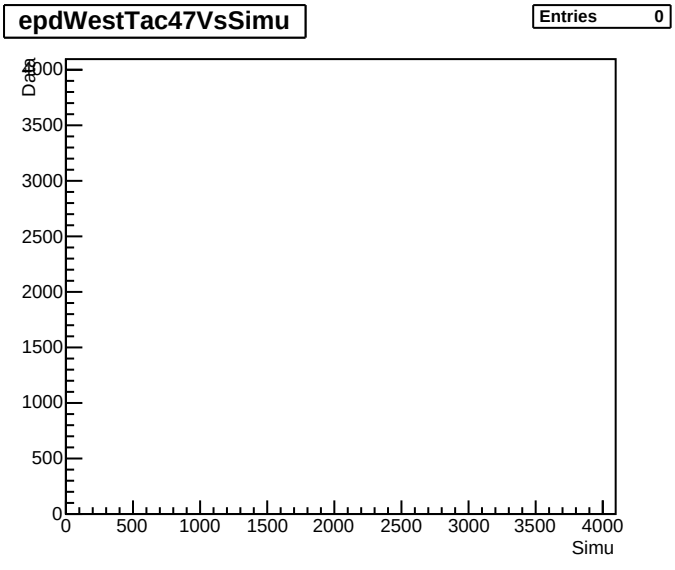
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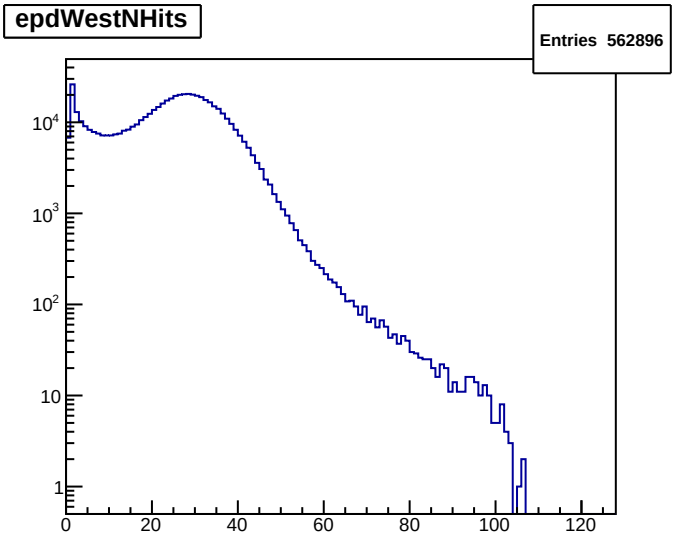
Data
Simu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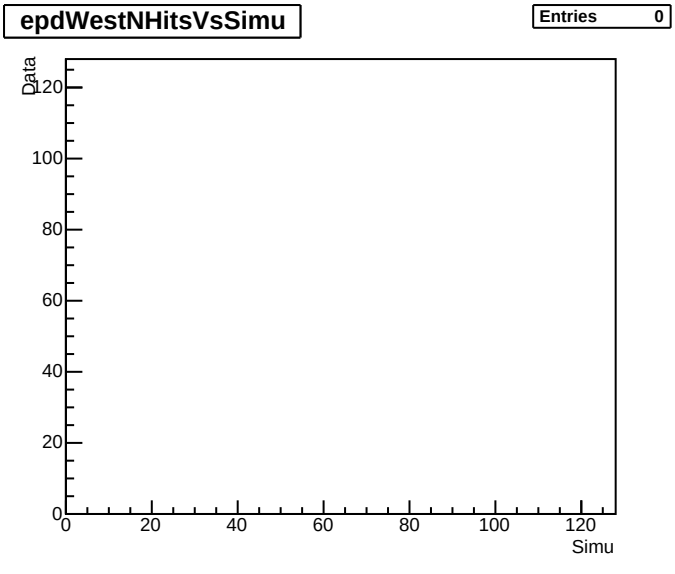
Entries 562896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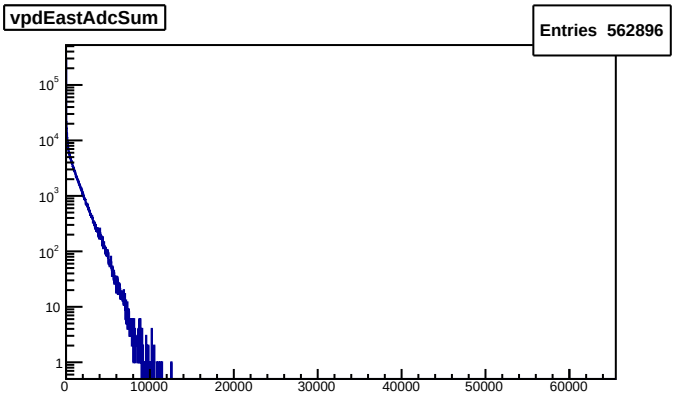
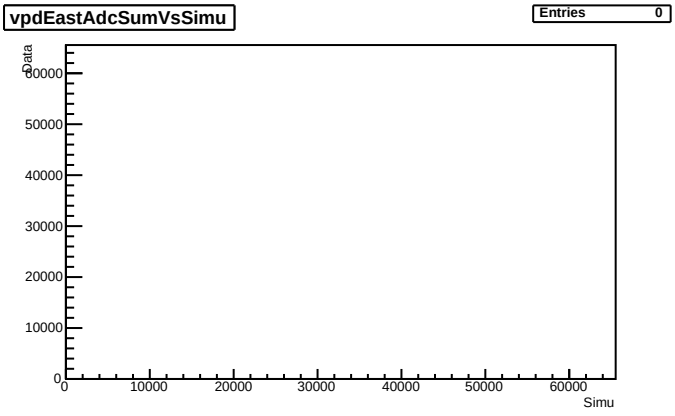
Entries 0
Data
Simu


vpdEastAdcSum
Entries 562896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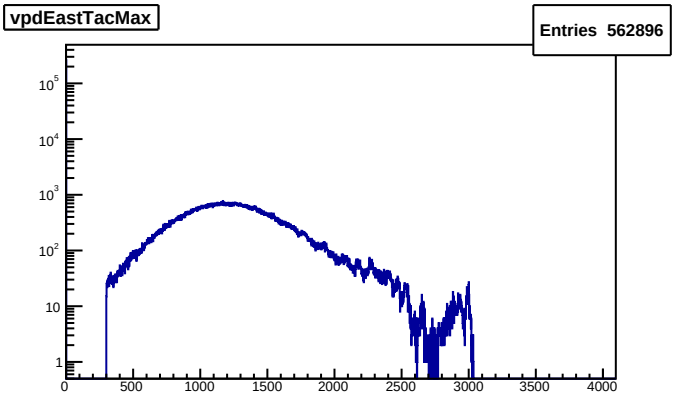
Entries 0
Data
Simu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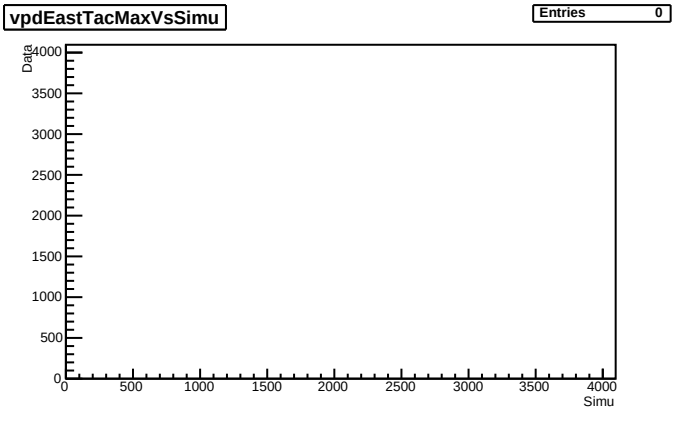
Entries 562896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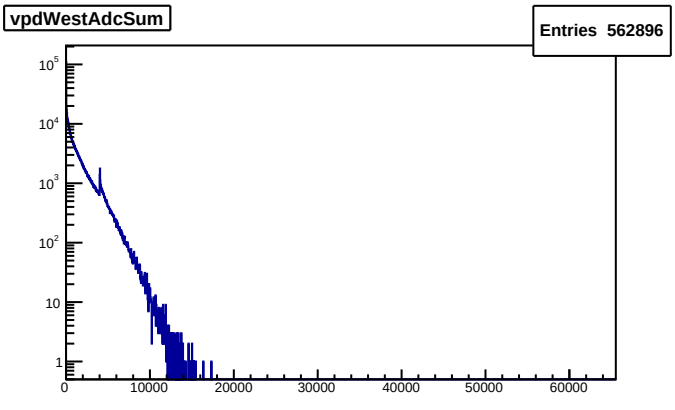
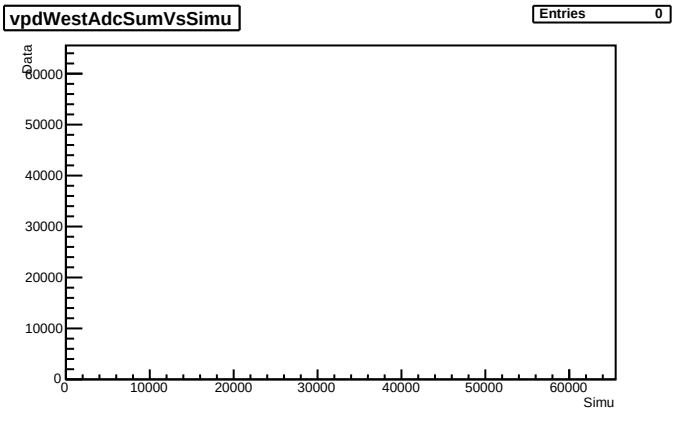
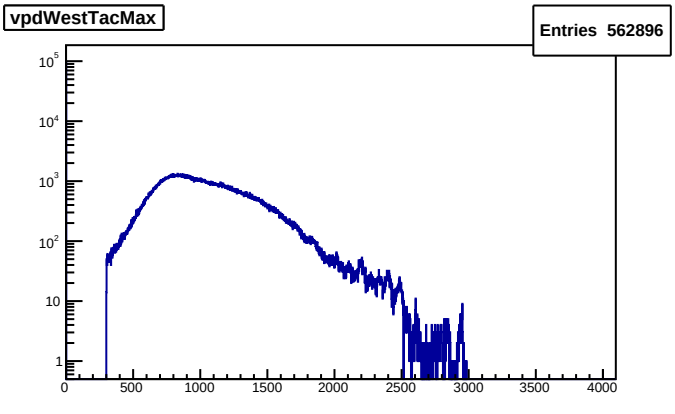
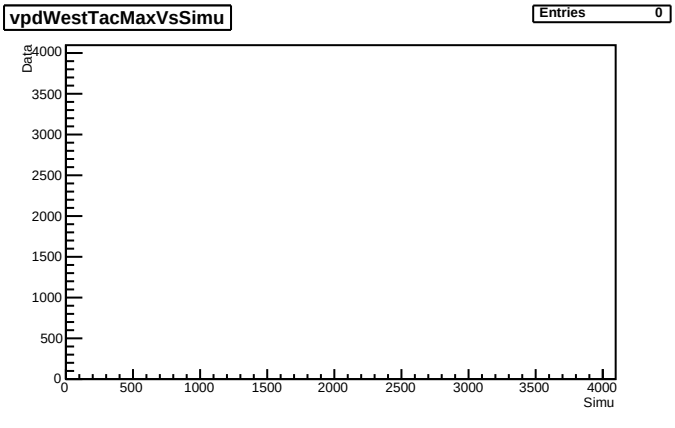
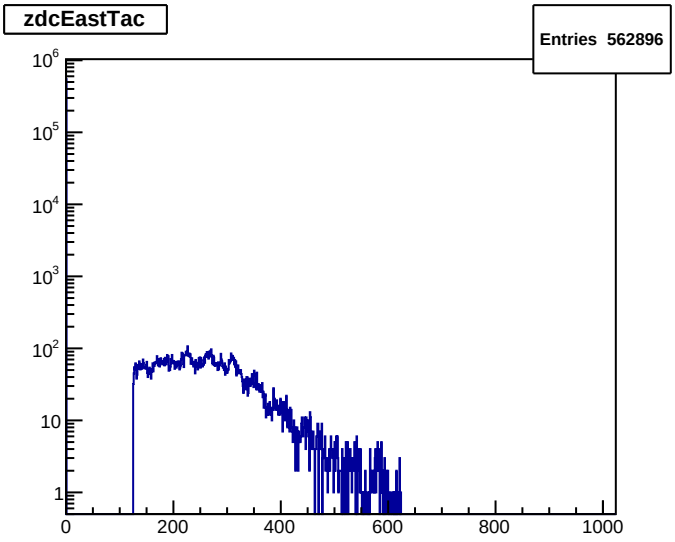
Entries 0
Data
Simu

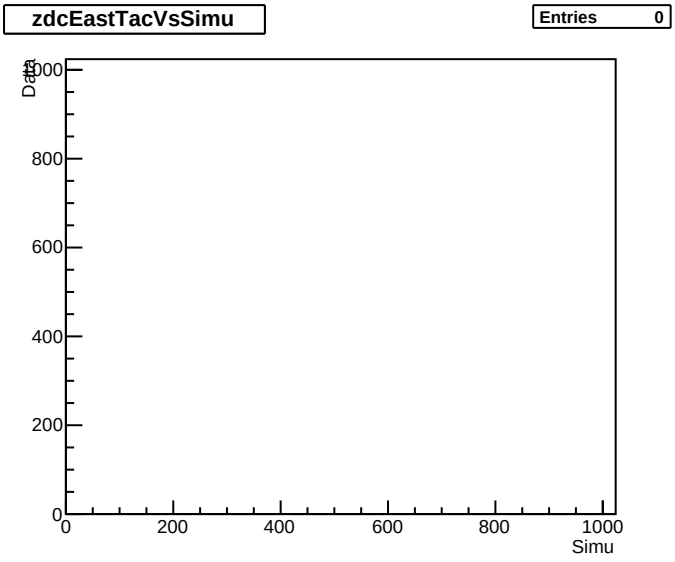

vpdWestAdcSum
Entries 562896

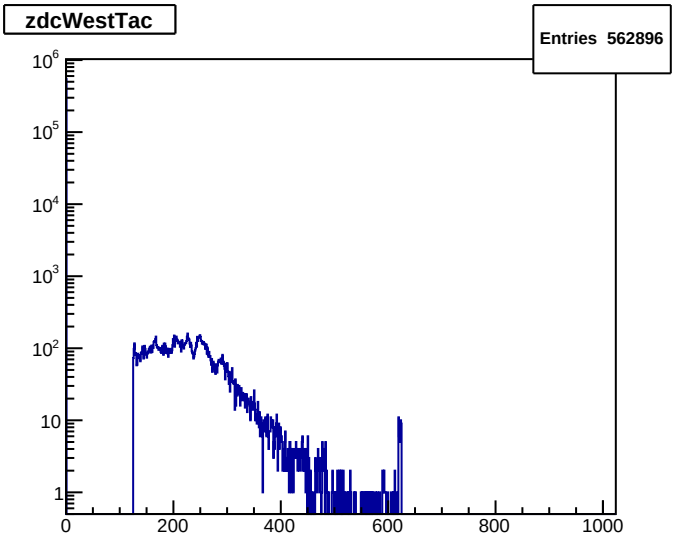

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

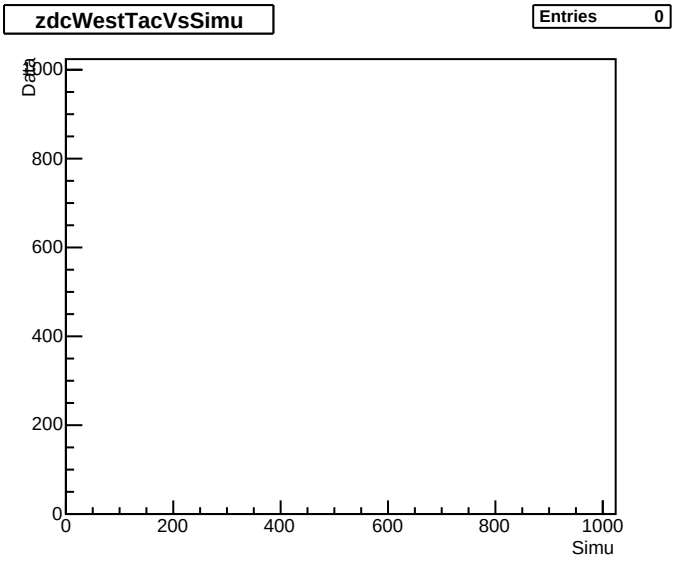

vpdWestTacMax
Entries 562896

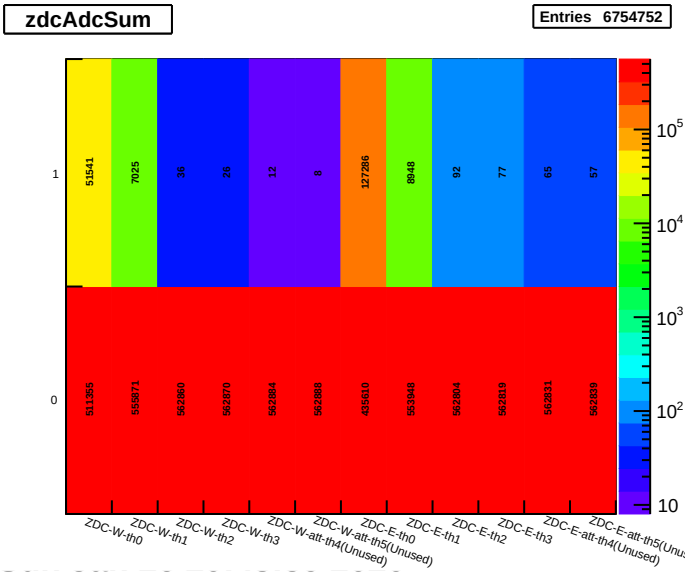

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

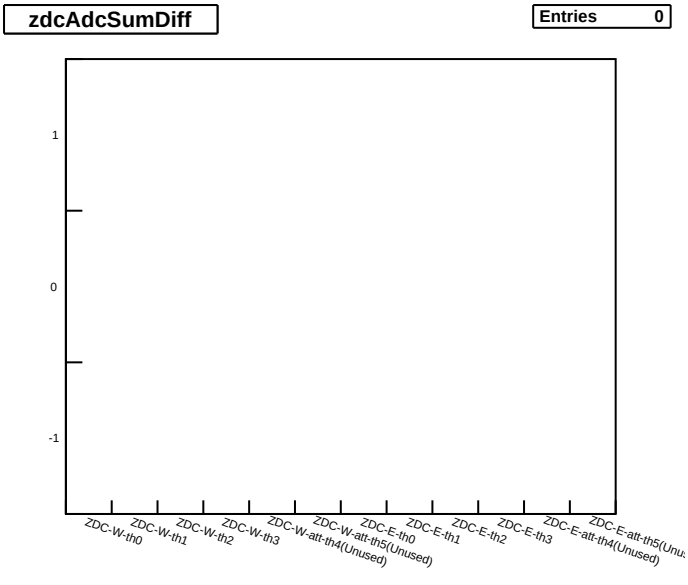

zdcEastTac
Entries 562896

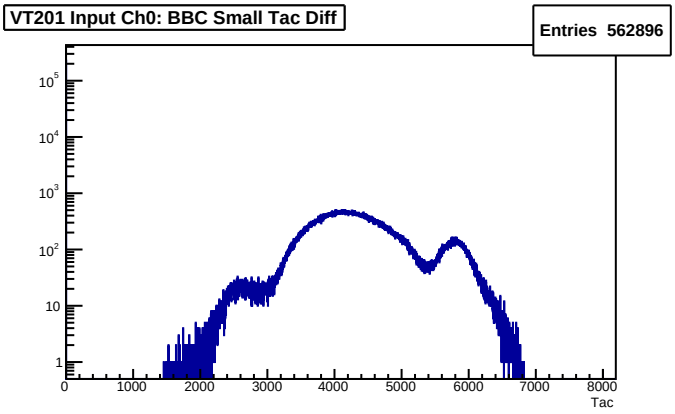

zdcEastTacVsSimu
Entries 0
Data
Simu

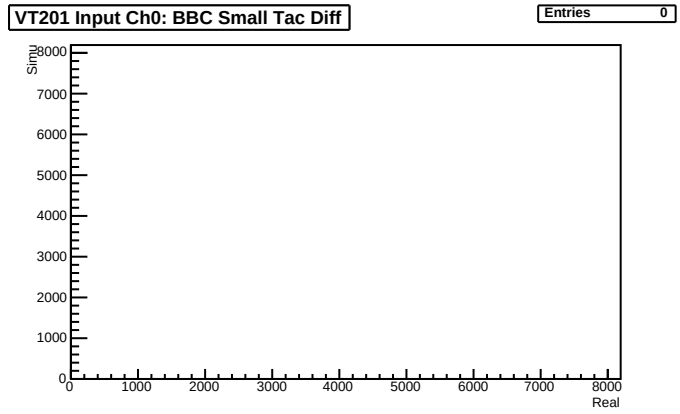

zdcWestTac
Entries 562896

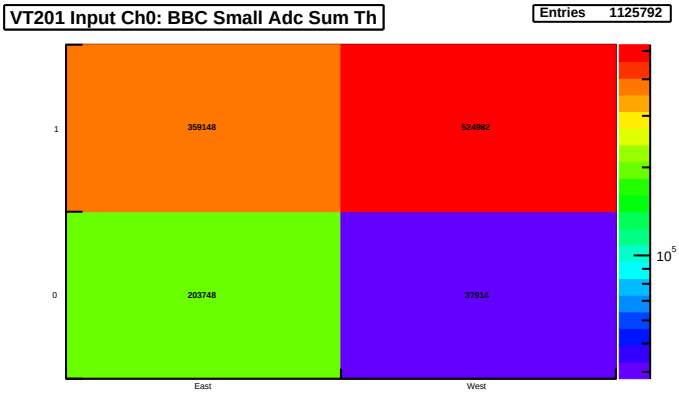

zdcWestTacVsSimu
Entries 0
Data
Simu

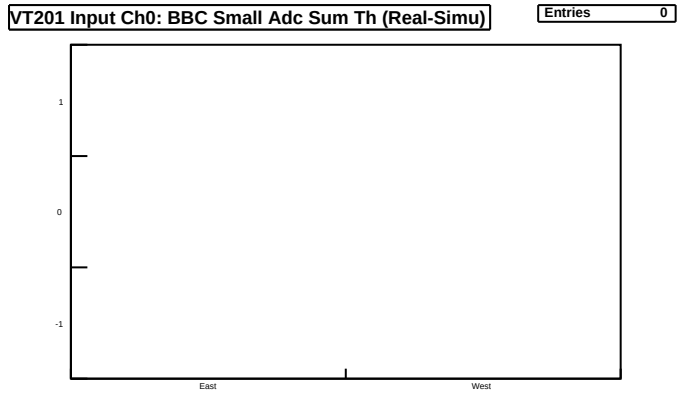

zdcAdcSum
Entries 6754752
51541
7025
36
26
12
8
127286
8948
92
77
65
57
511355
555971
562860
562870
562884
562888
435610
553946
562804
562819
562831
562839
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

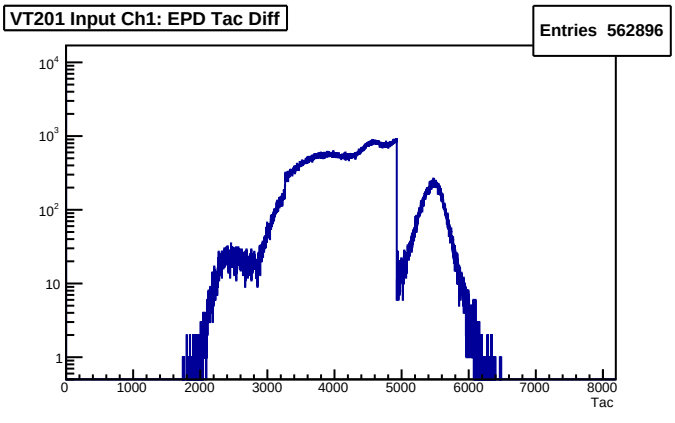

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

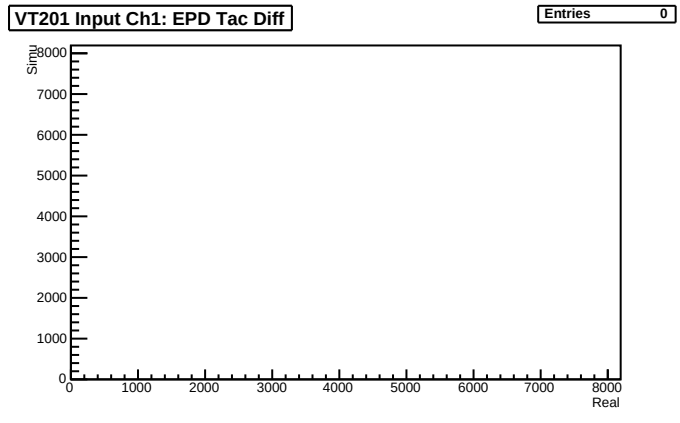

VT201 Input Ch0: BBC Small Tac Diff
Entries 562896
Tac

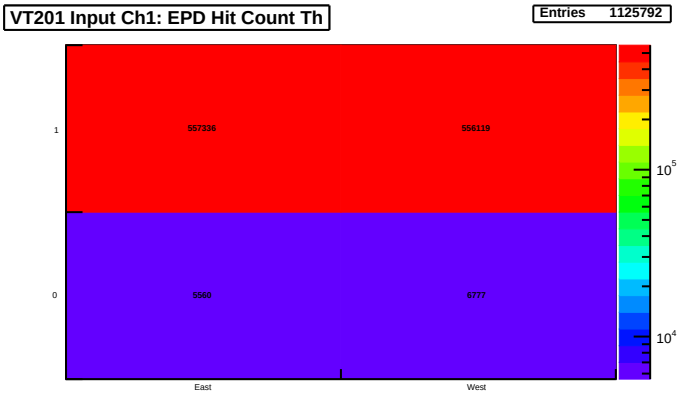

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

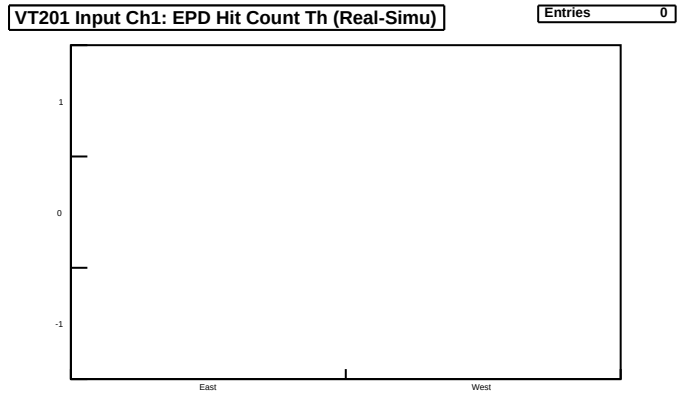

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1125792
359148
524982
203748
37914
East
West

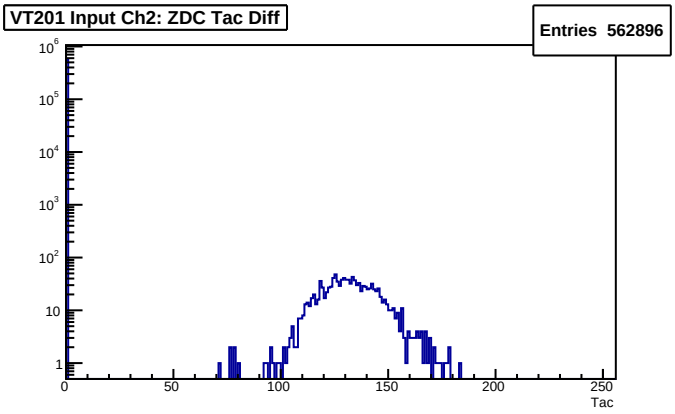

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

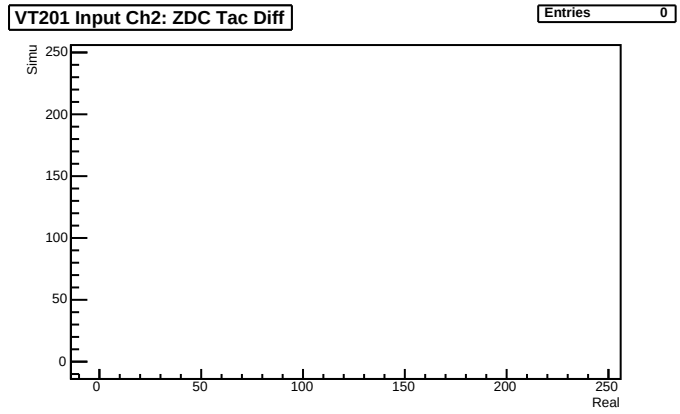

VT201 Input Ch1: EPD Tac Diff
Entries 562896
Tac

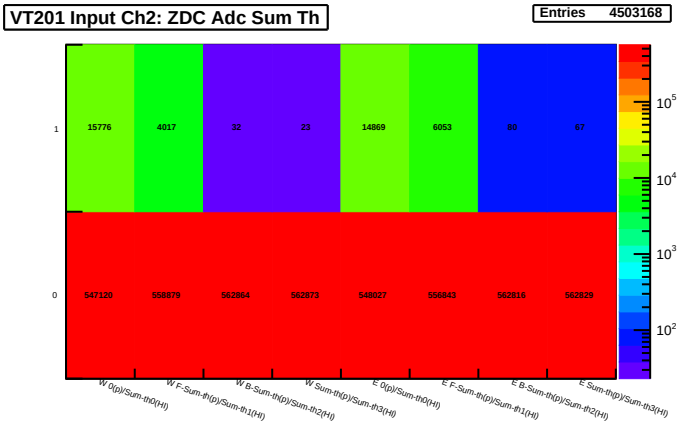

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

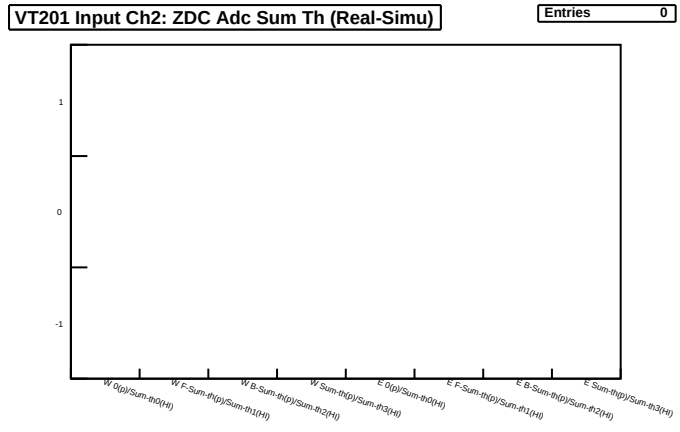

VT201 Input Ch1: EPD Hit Count Th
Entries 1125792
557336
556119
5580
6777
East
West

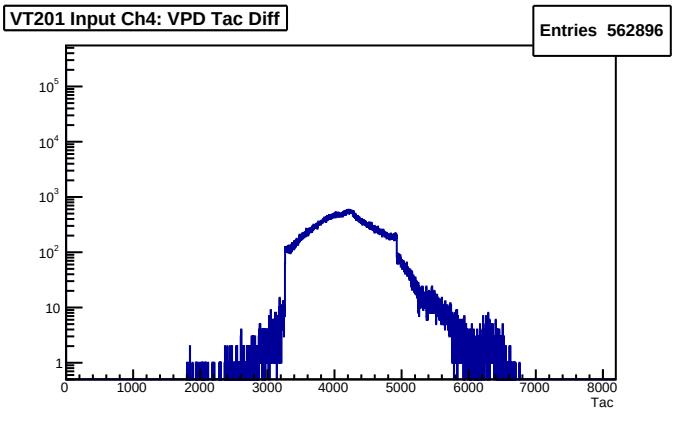

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

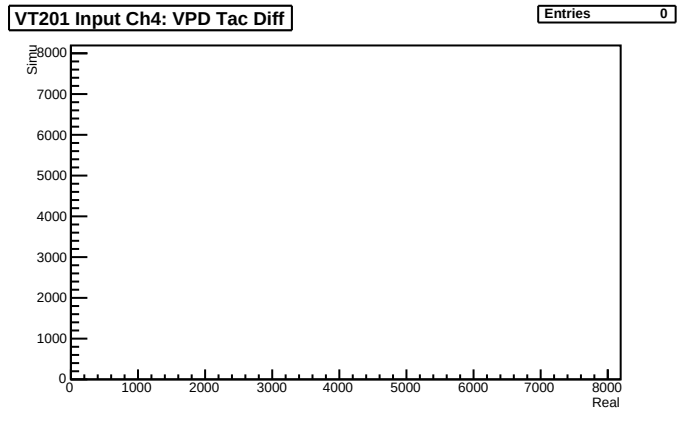

VT201 Input Ch2: ZDC Tac Diff
Entries 562896
Tac

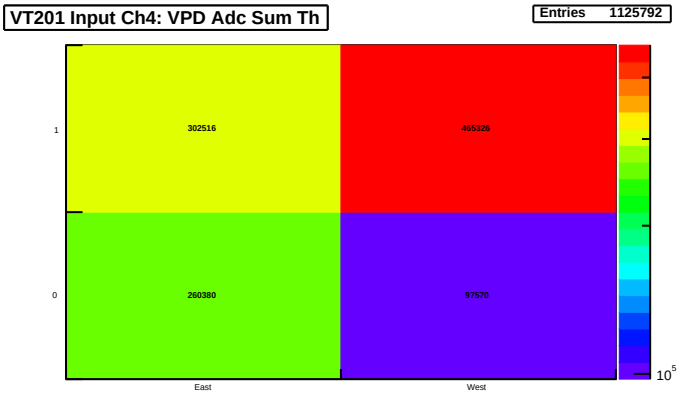

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

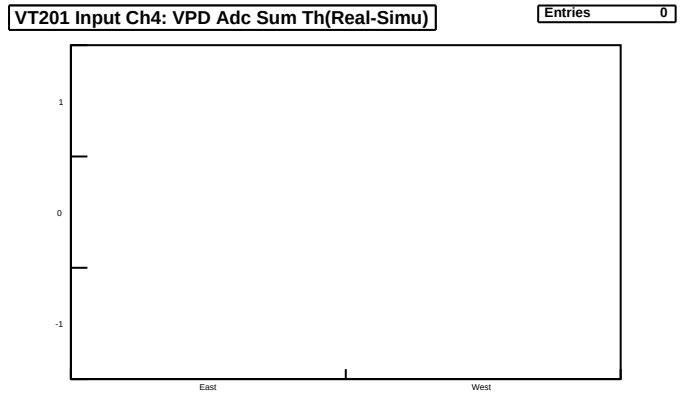

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4503168
15776
4017
32
23
14869
6053
80
67
547120
558879
562864
562873
548027
556843
562816
562829
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

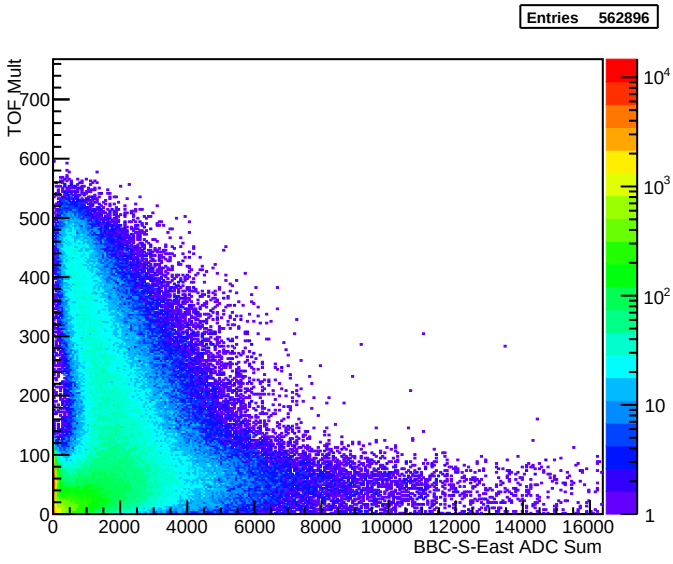

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

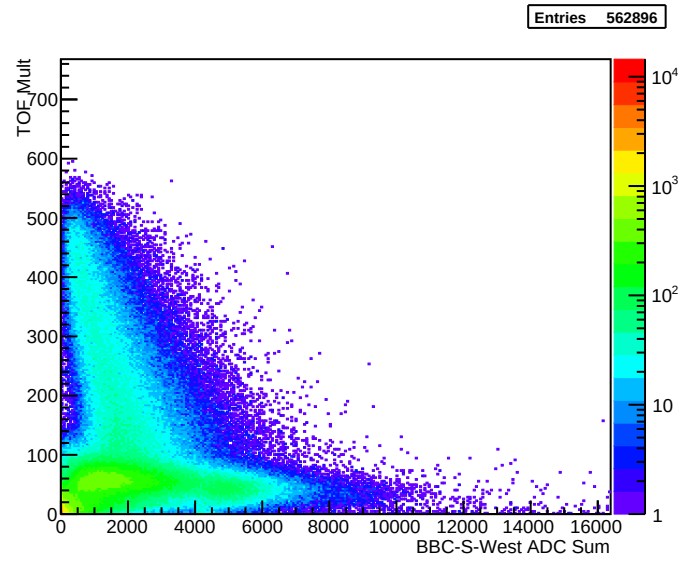

VT201 Input Ch4: VPD Tac Diff
Entries 562896
Tac

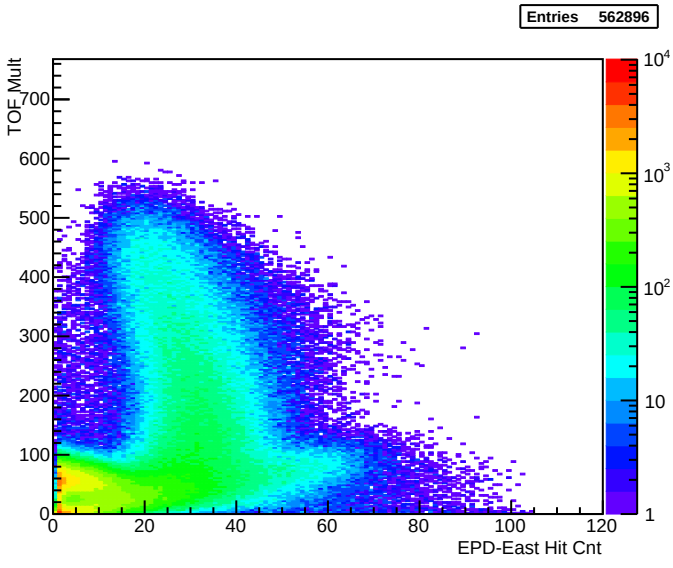

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

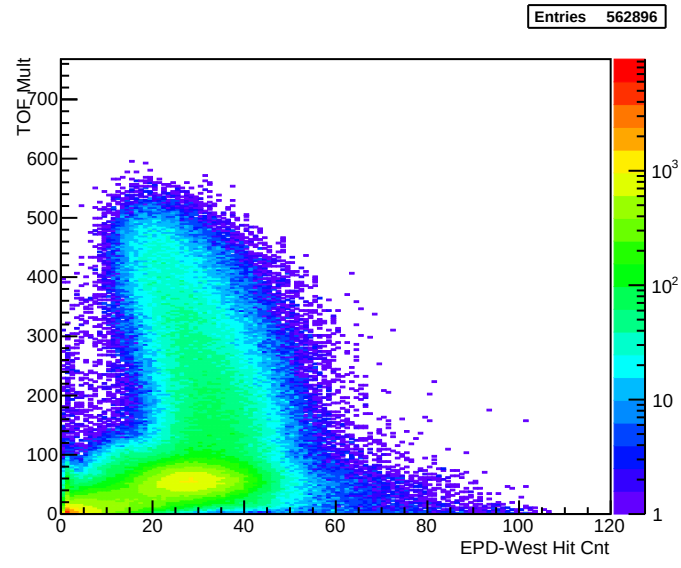

VT201 Input Ch4: VPD Adc Sum Th
Entries 1125792
302516
465326
260380
97570
East
West

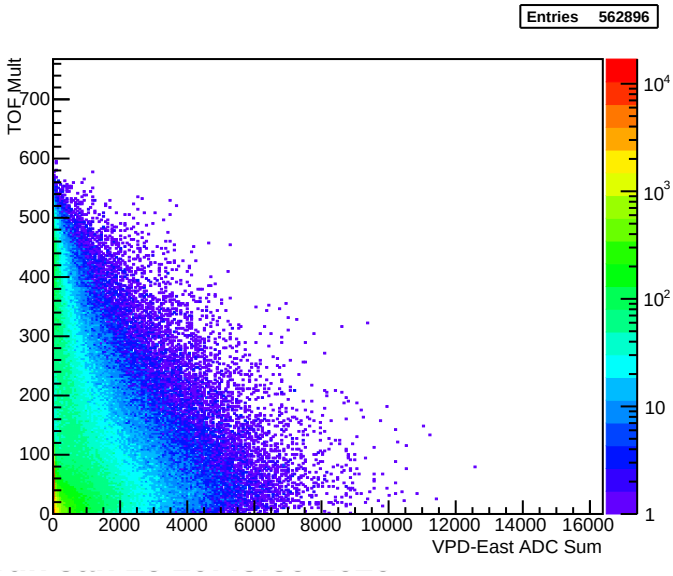

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

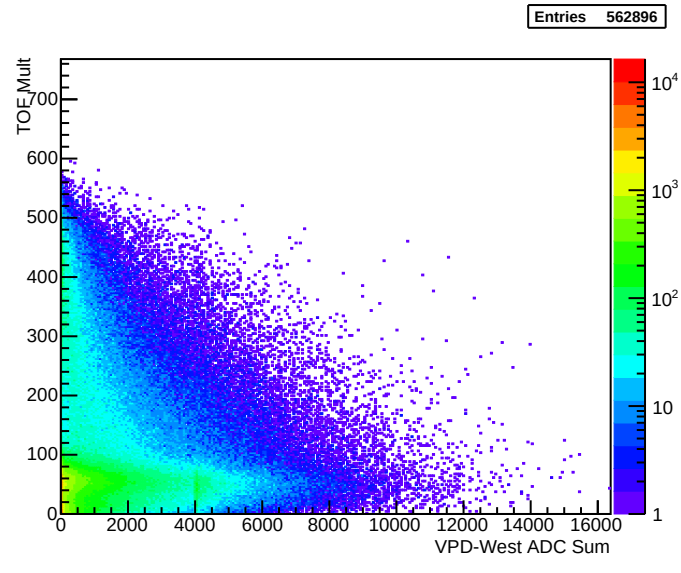

Entries 562896
TOF_Mult
BBC-S-East ADC Sum

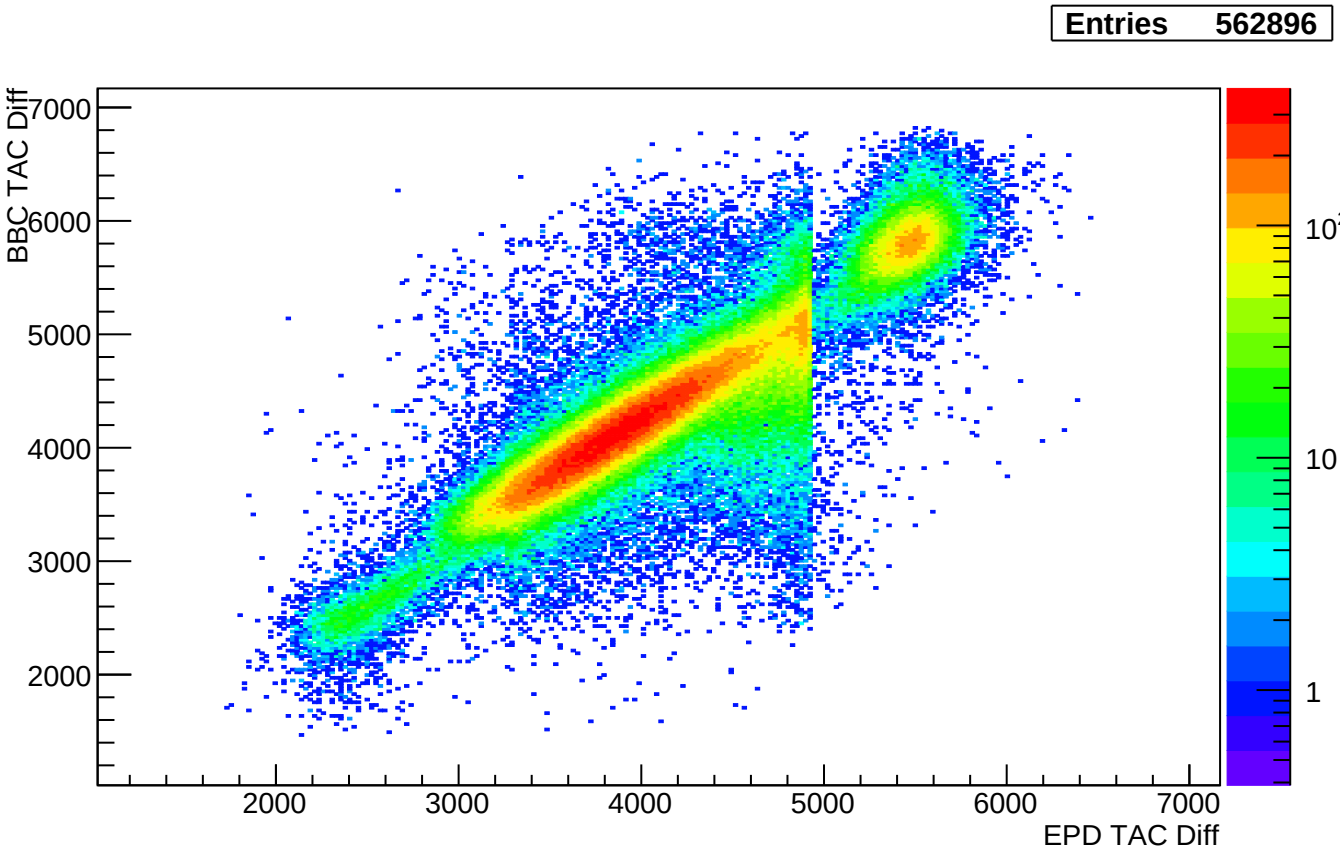

Entries 562896
TOF_Mult
BBC-S-West ADC Sum

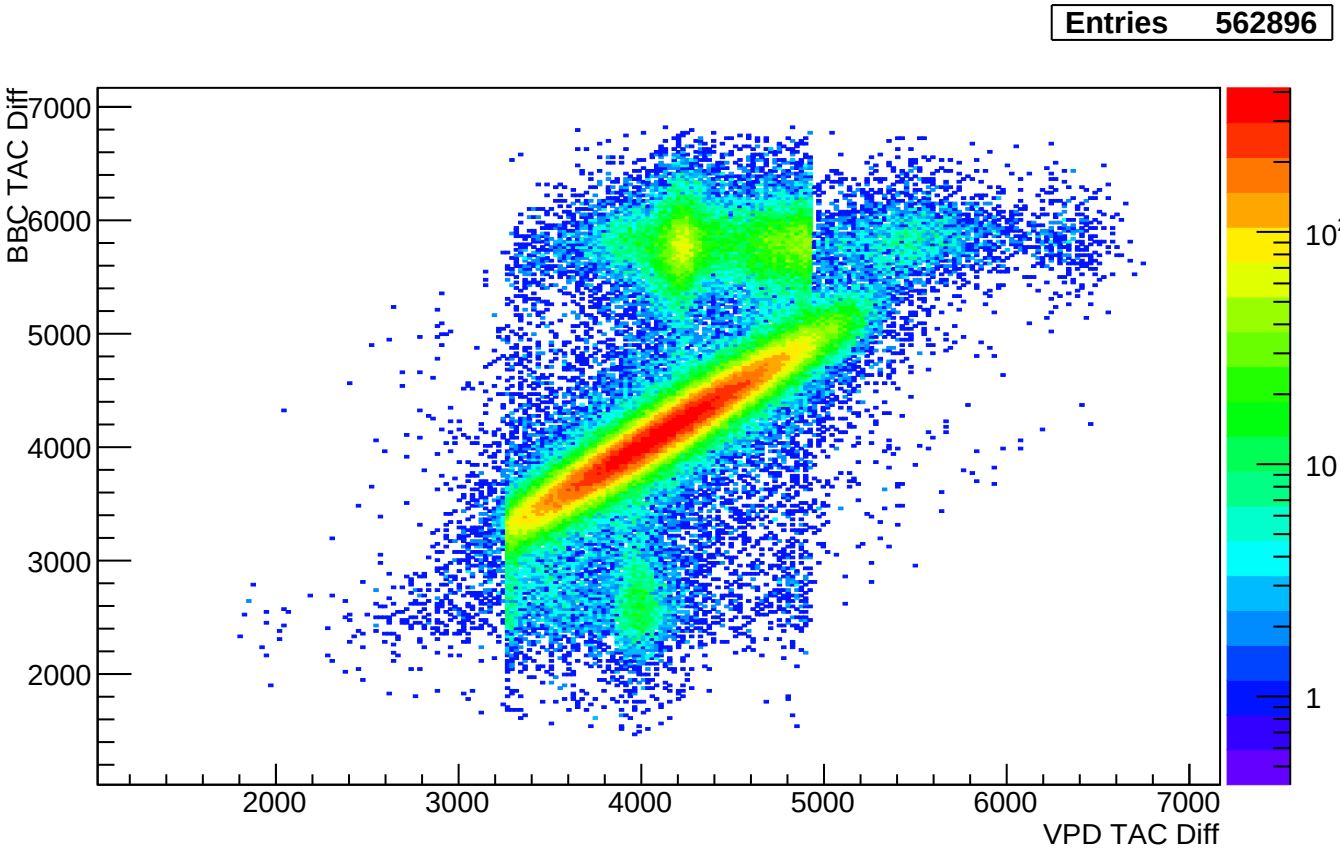

Entries 562896
TOF_Mult
EPD-East Hit Cnt

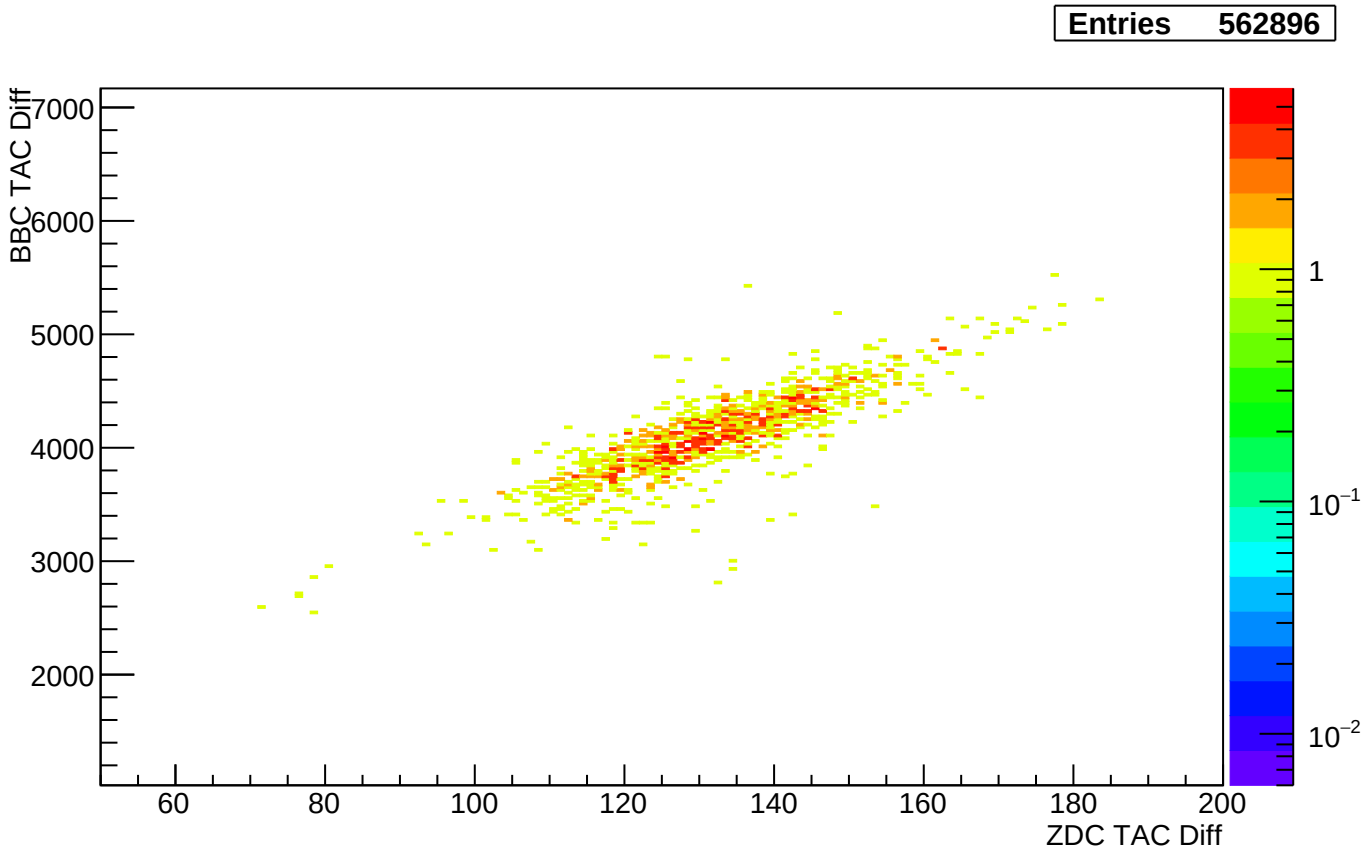

Entries 562896
TOF_Mult
EPD-West Hit Cnt

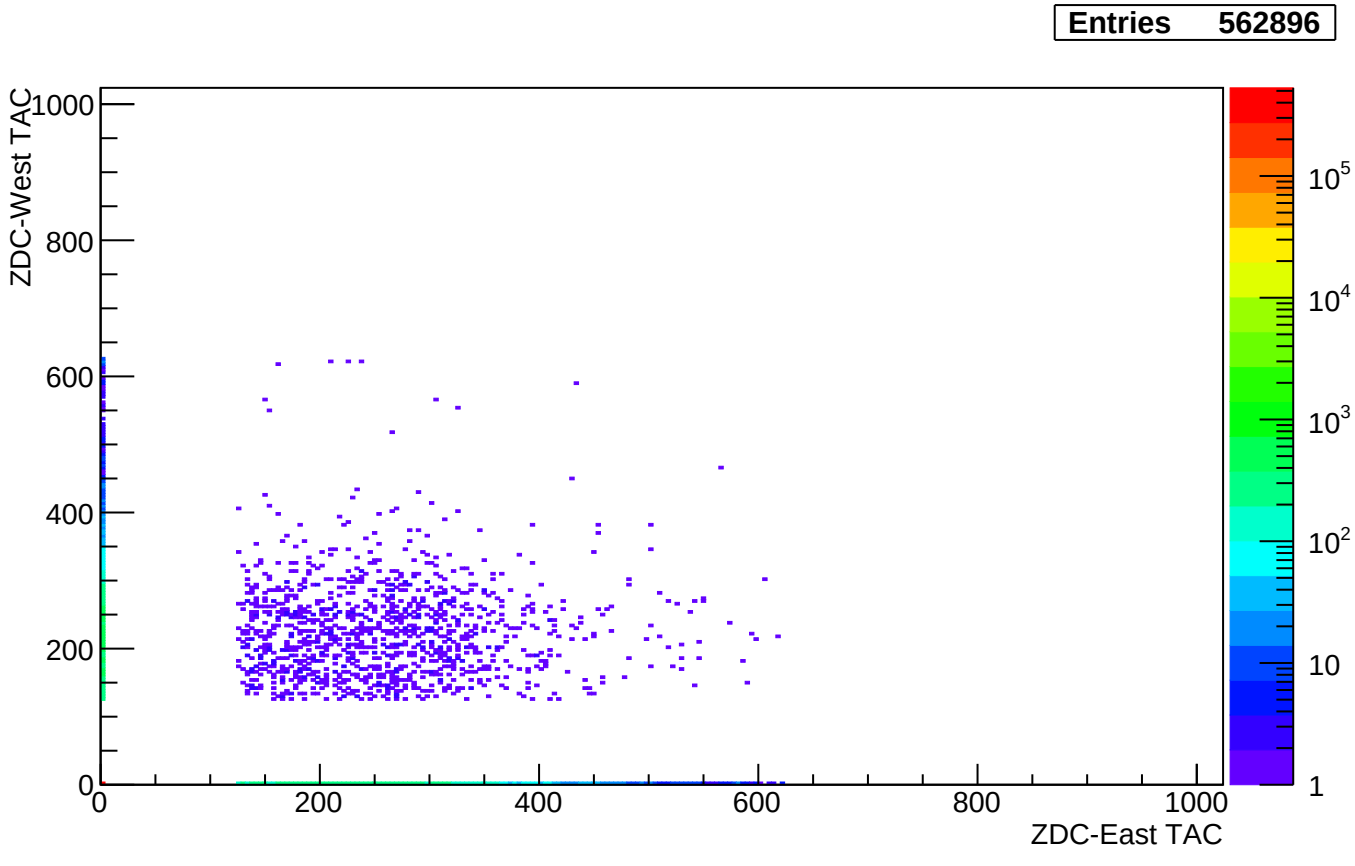

Entries 562896
TOF_Mult
VPD-East ADC Sum

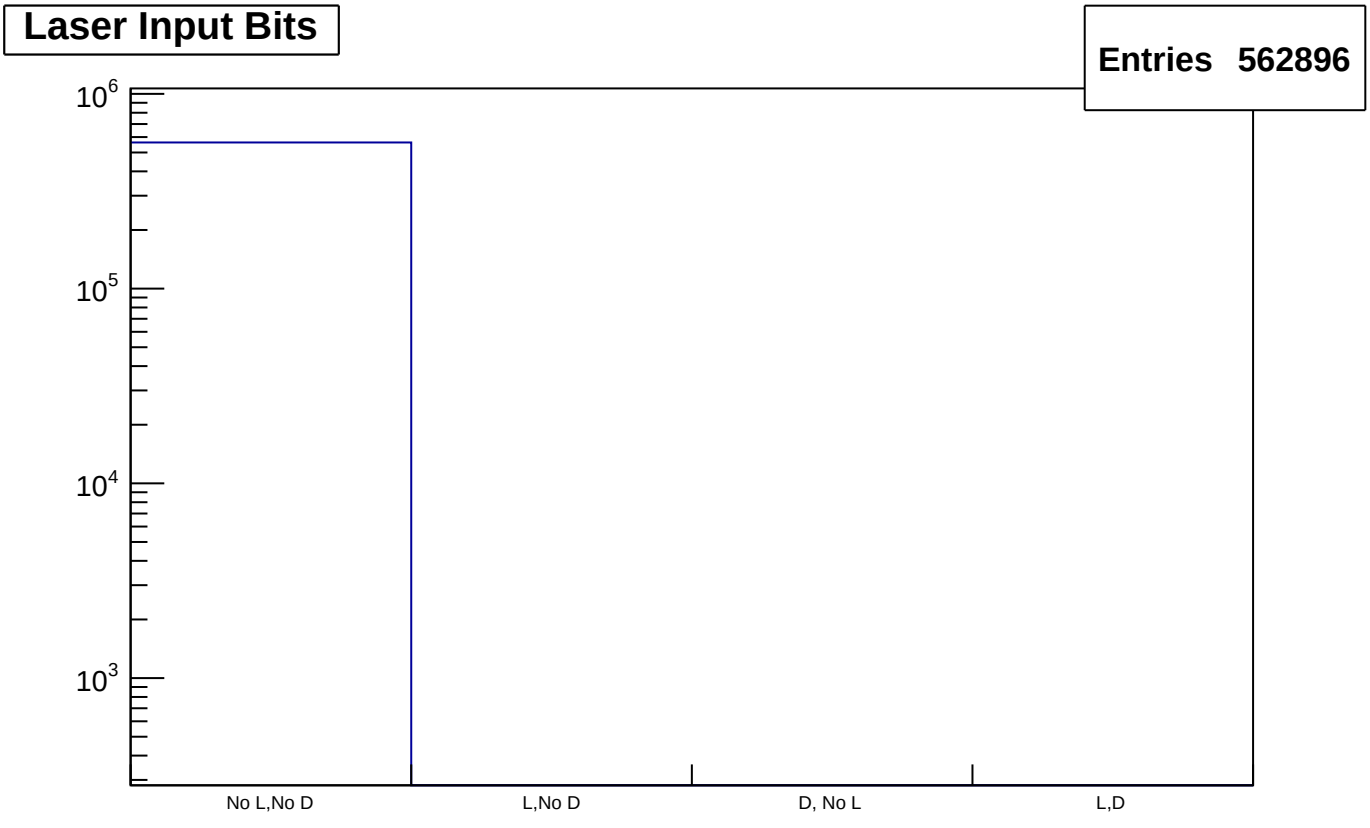

Entries 562896
TOF_Mult
VPD-West ADC Sum

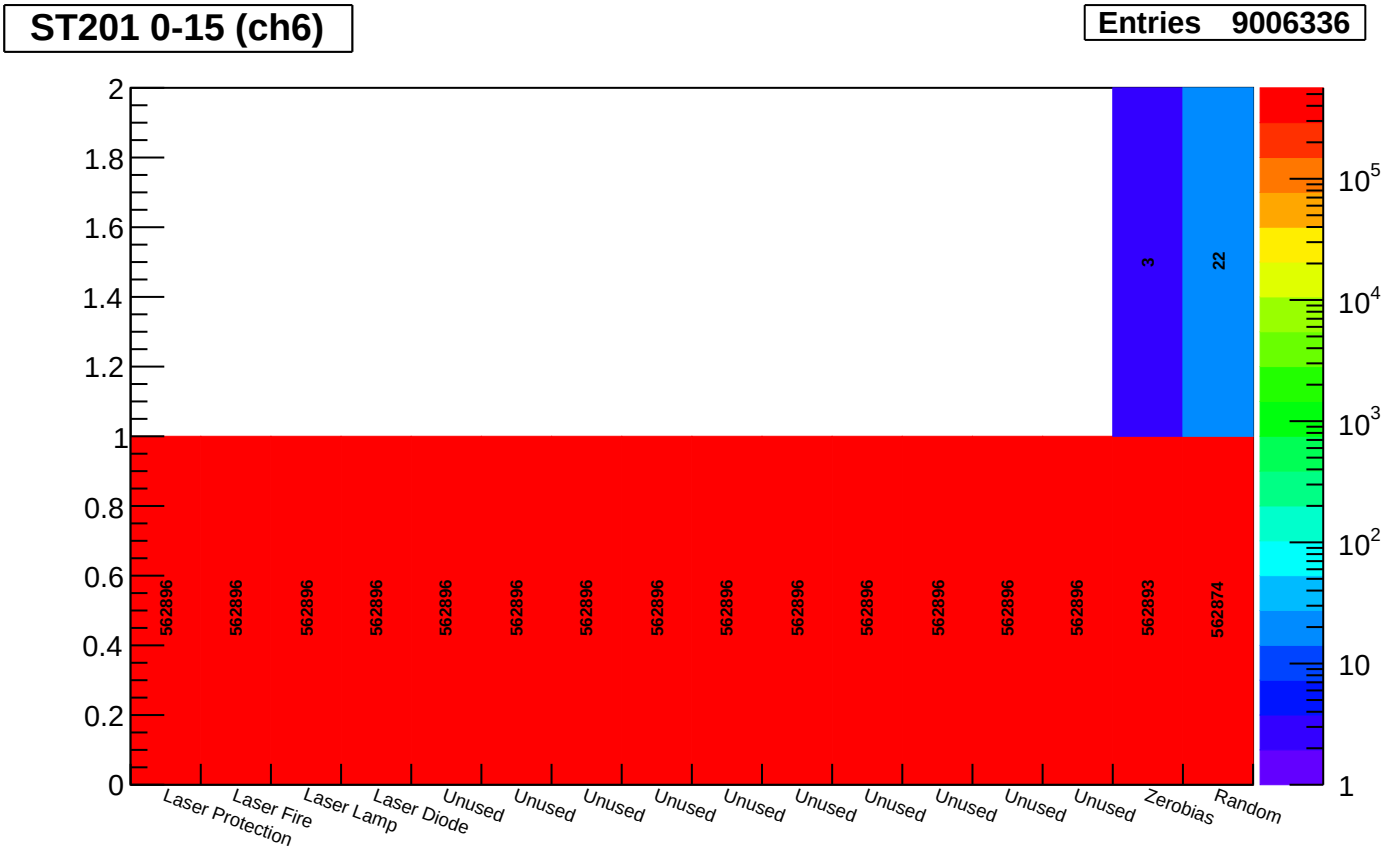

Entries 562896
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

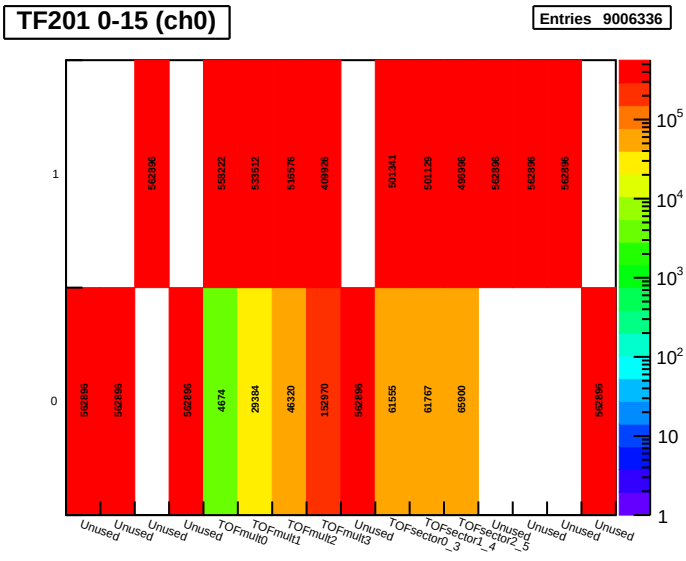

Entries 562896
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

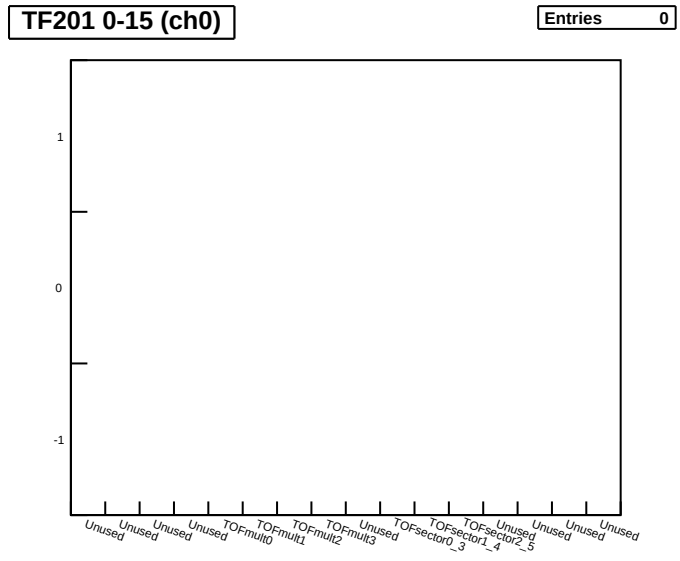

Entries 562896
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

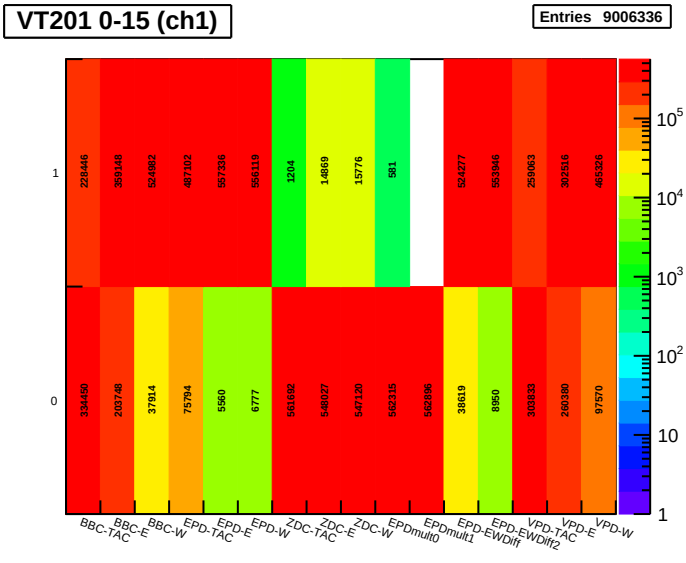

Entries 562896
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

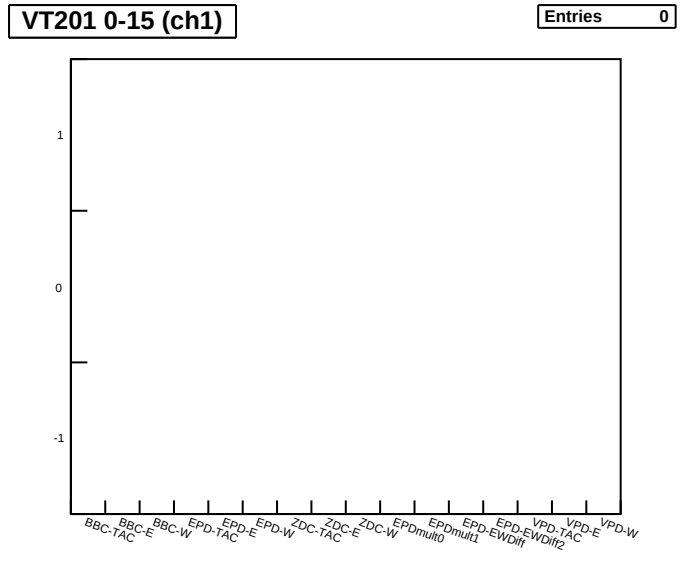

Laser Input Bits
Entries 562896
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

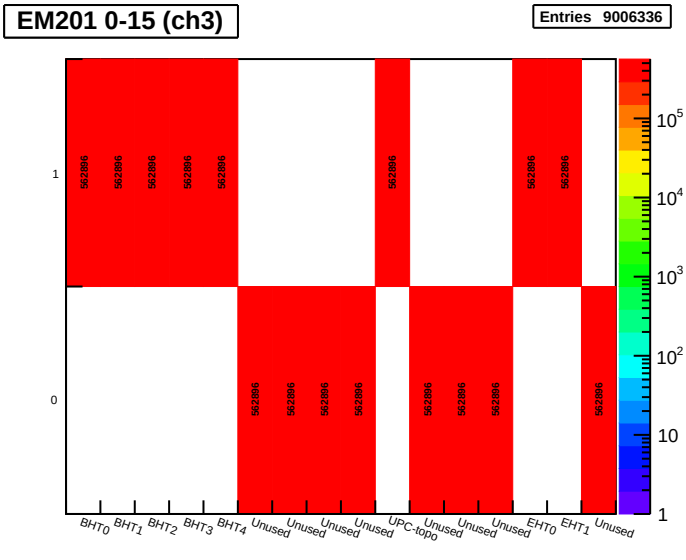

ST201 0-15 (ch6)
Entries 9006336
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
562896
562896
562896
562896
562896
562896
562896
562896
562896
562896
562896
562896
562896
562896
562893
562874
3
22
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1










EM201 0-15 (ch3)
Entries 9006336
1
0
562896
562896
562896
562896
562896