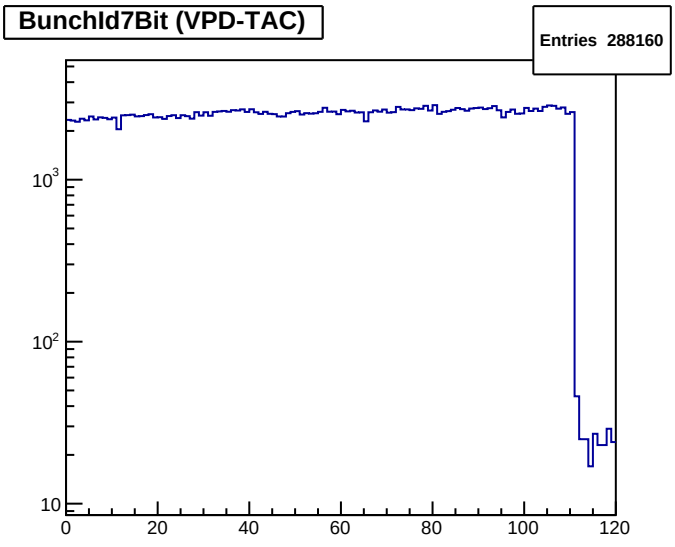
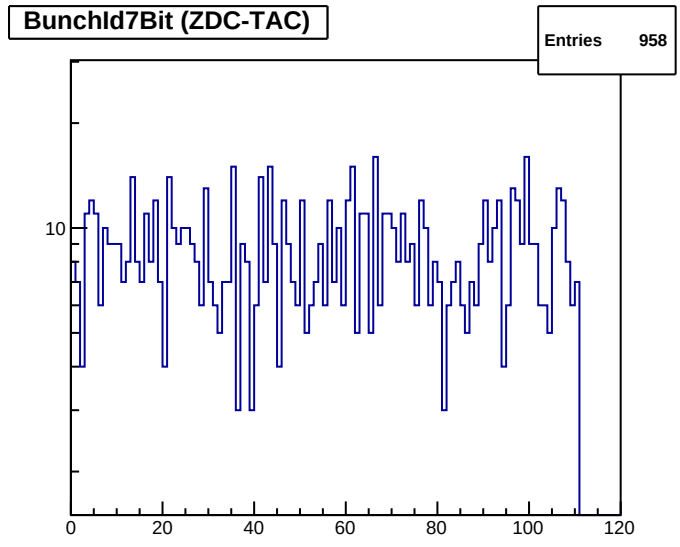
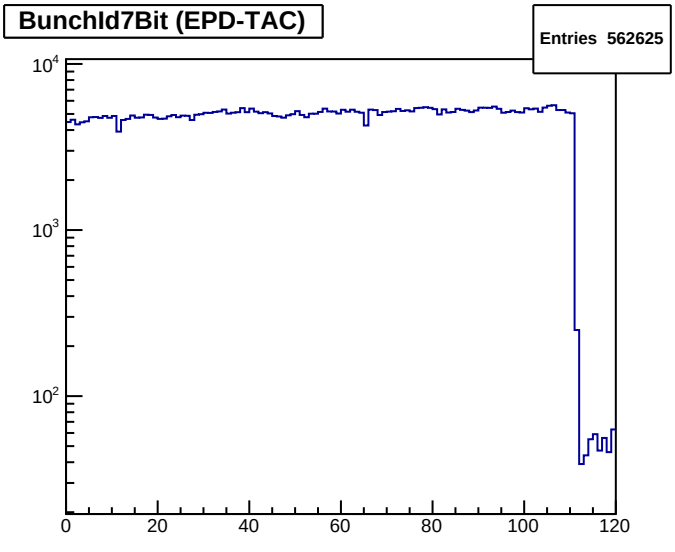
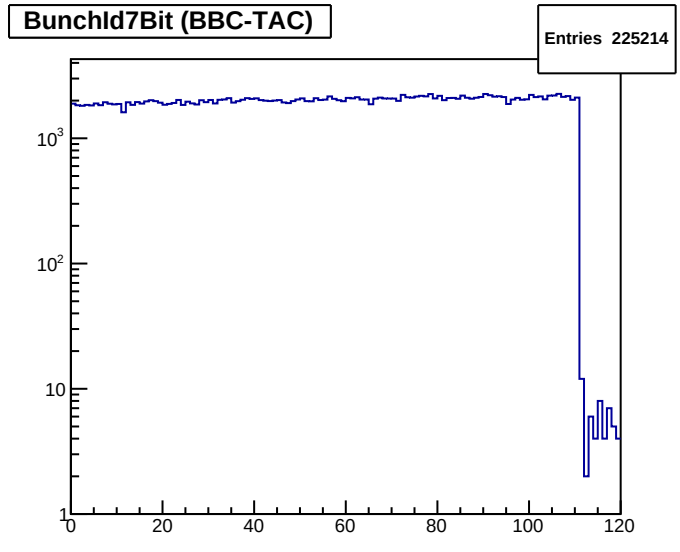
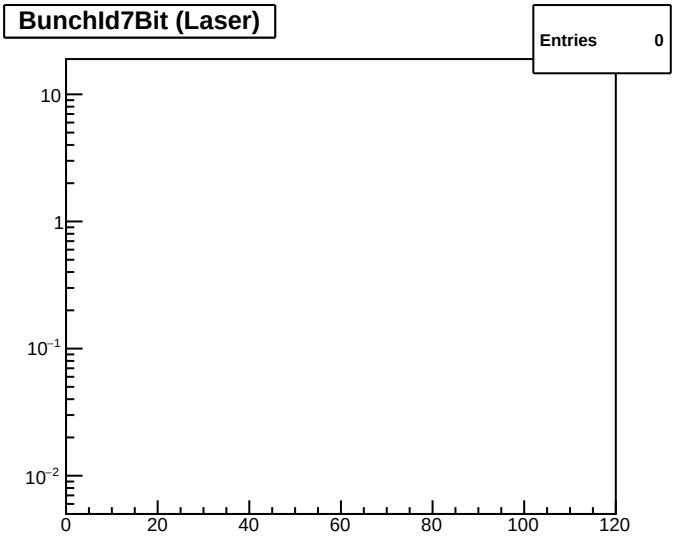
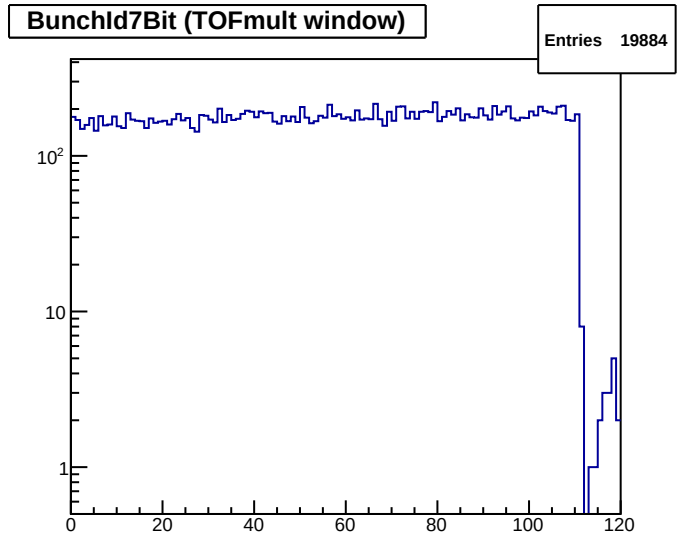

BunchId7Bit (VPD-TAC)
Entries 288160
10^3
10^2
10
0 20 40 60 80 100 120

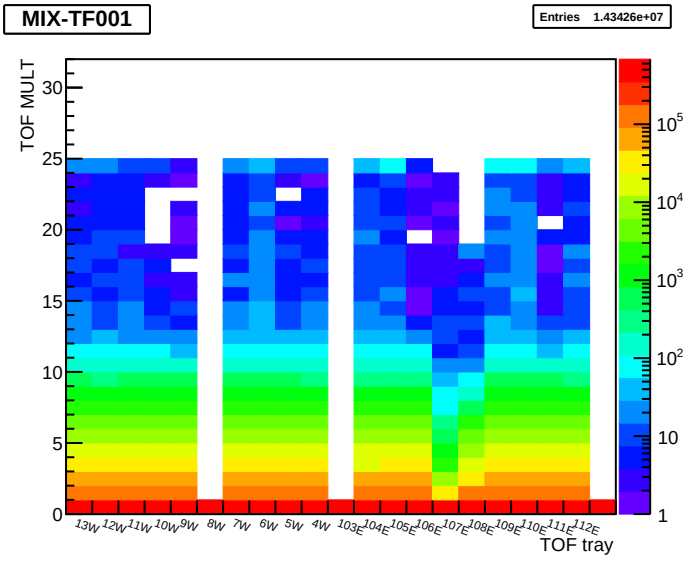

BunchId7Bit (ZDC-TAC)
Entries 958
10
0 20 40 60 80 100 120

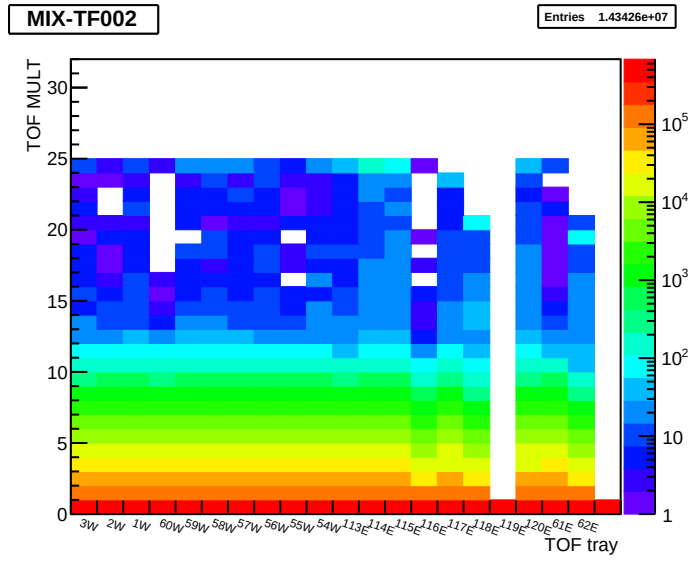

BunchId7Bit (EPD-TAC)
Entries 562625
10^4
10^3
10^2
0 20 40 60 80 100 120

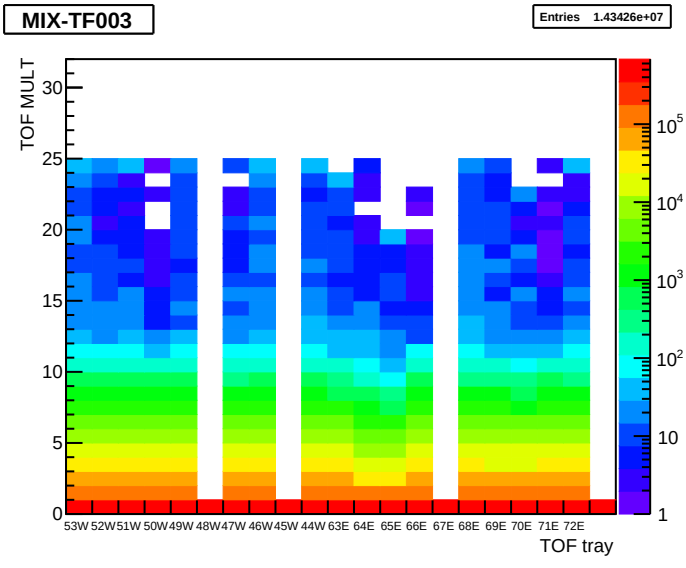

BunchId7Bit (BBC-TAC)
Entries 225214
10^3
10^2
10
1
0 20 40 60 80 100 120

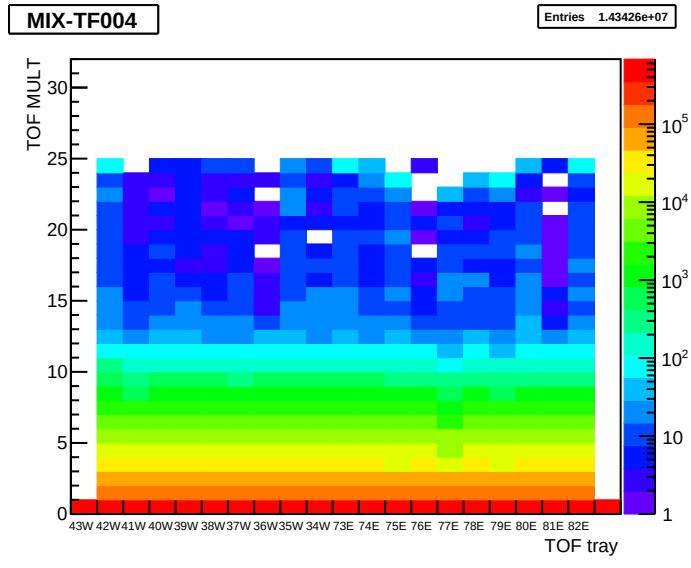

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

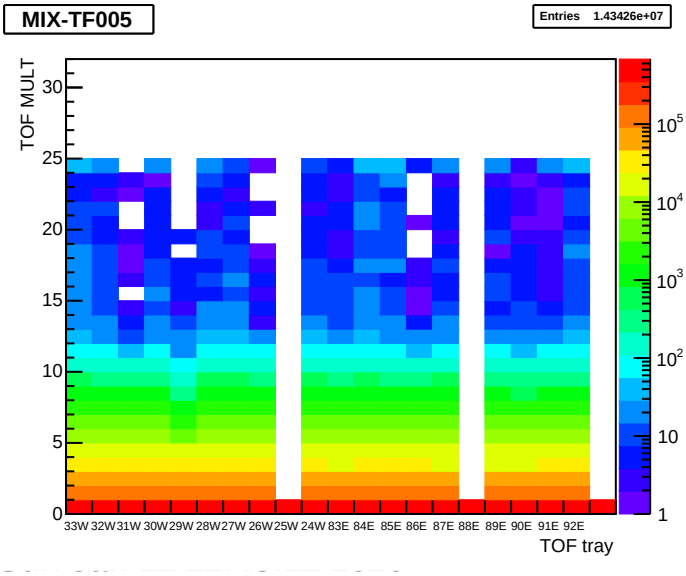

BunchId7Bit (TOFmult window)
Entries 19884
10^2
10
1
0 20 40 60 80 100 120

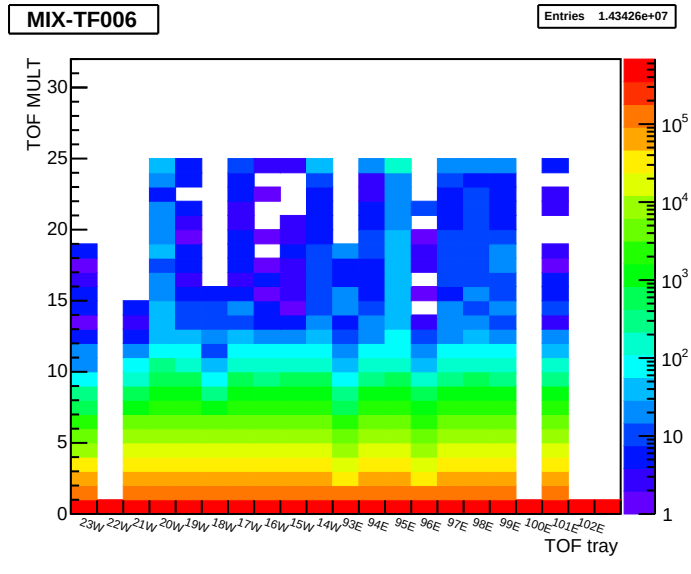

MIX-TF001
Entries 1.43426e+07
TOF MULT
TOF tray

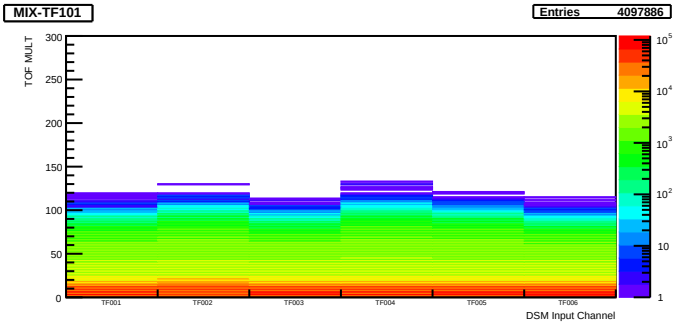

MIX-TF002
Entries 1.43426e+07
TOF MULT
TOF tray

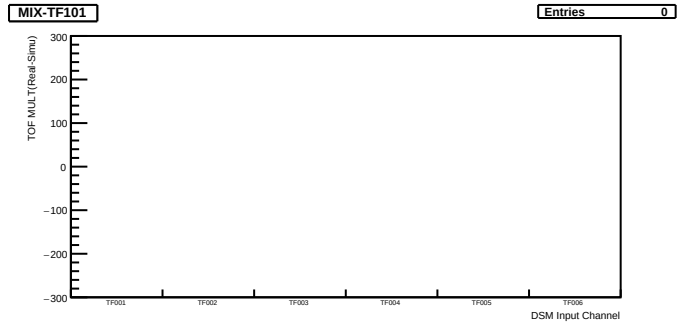

MIX-TF003
Entries 1.43426e+07
TOF MULT
TOF tray

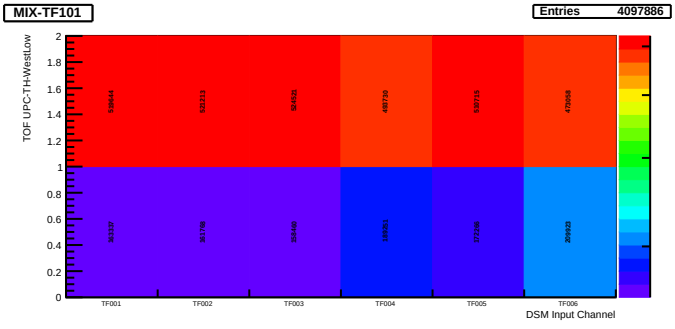

MIX-TF004
Entries 1.43426e+07
TOF MULT
TOF tray

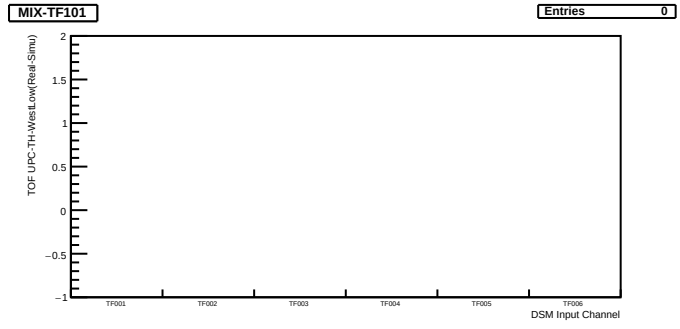

MIX-TF005
Entries 1.43426e+07
TOF MULT
TOF tray

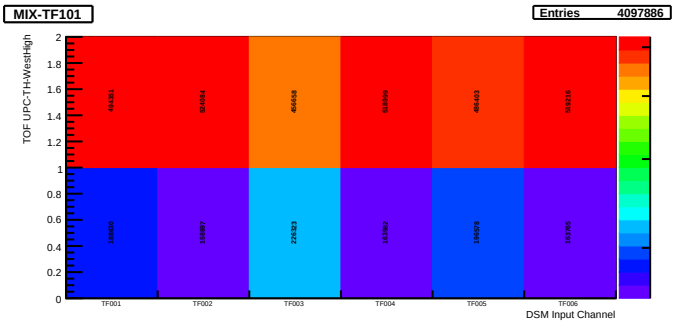

MIX-TF006
Entries 1.43426e+07
TOF MULT
TOF tray

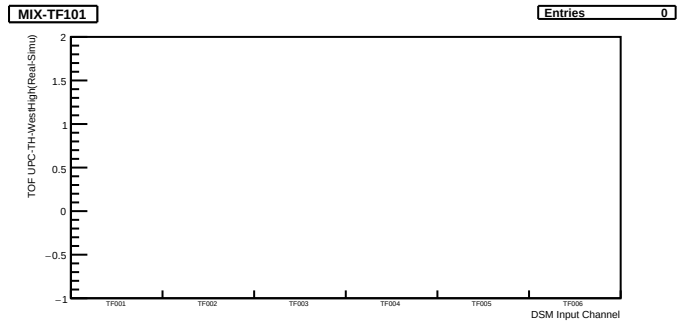

MIX-TF101
Entries 4097886
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

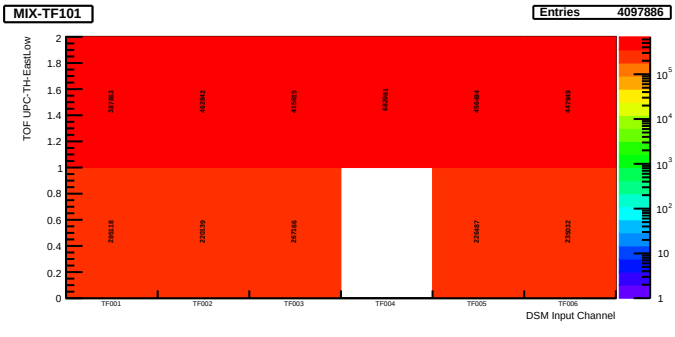

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

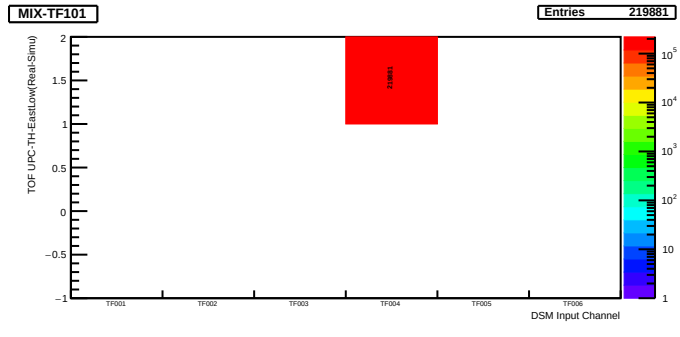

MIX-TF101
Entries 4097886
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

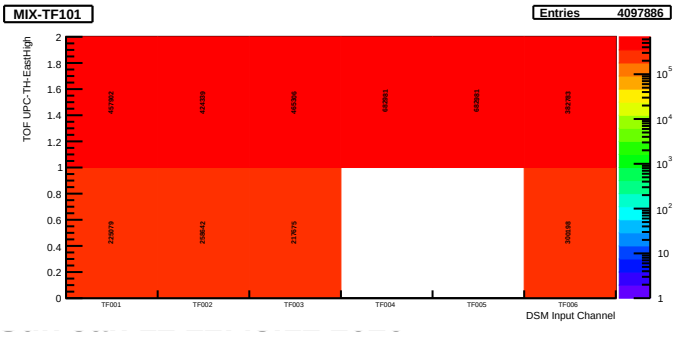

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

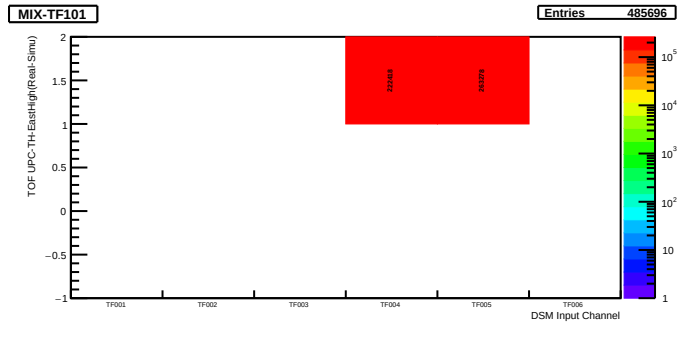

MIX-TF101
Entries 4097886
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

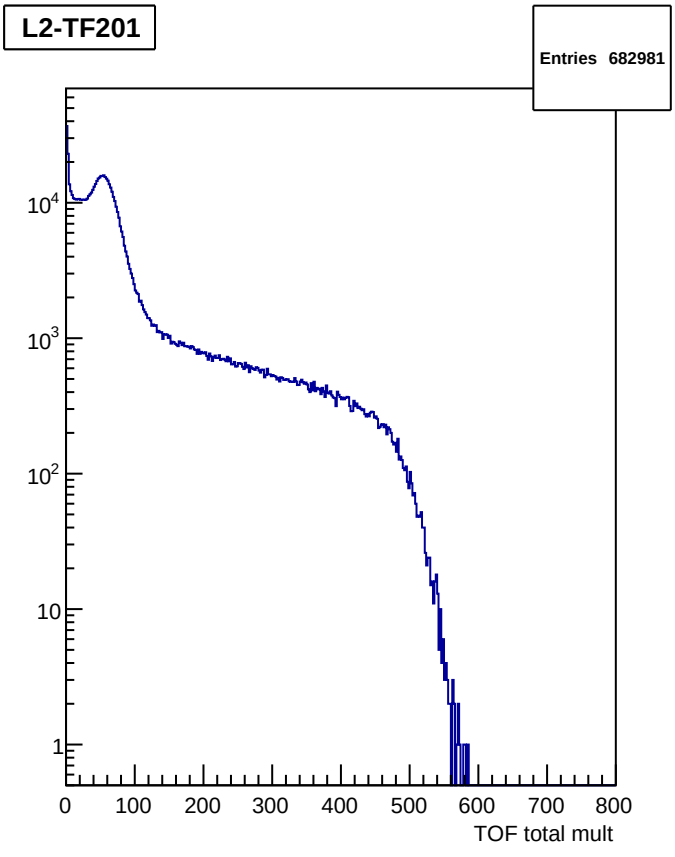

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

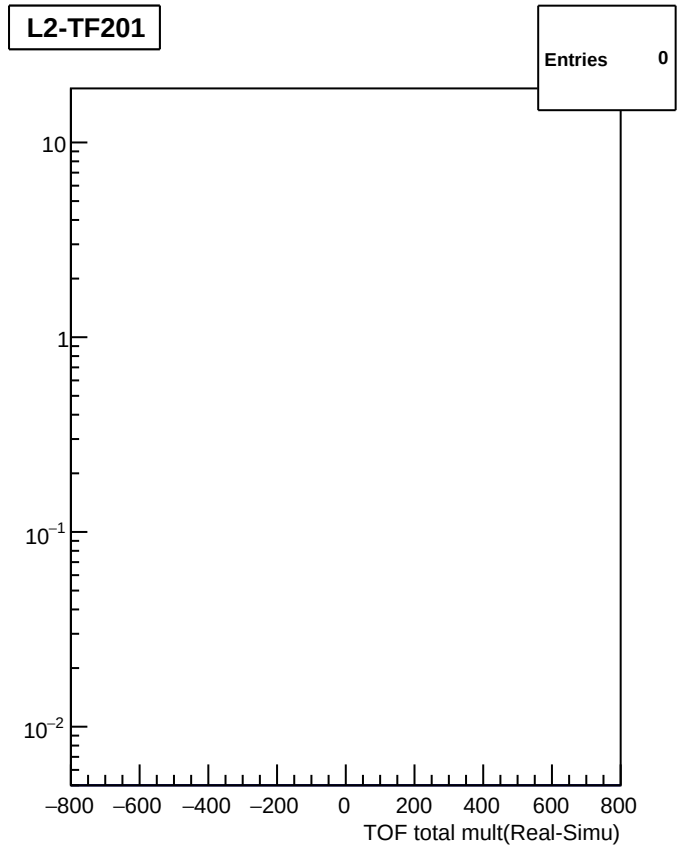

MIX-TF101
Entries 4097886
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

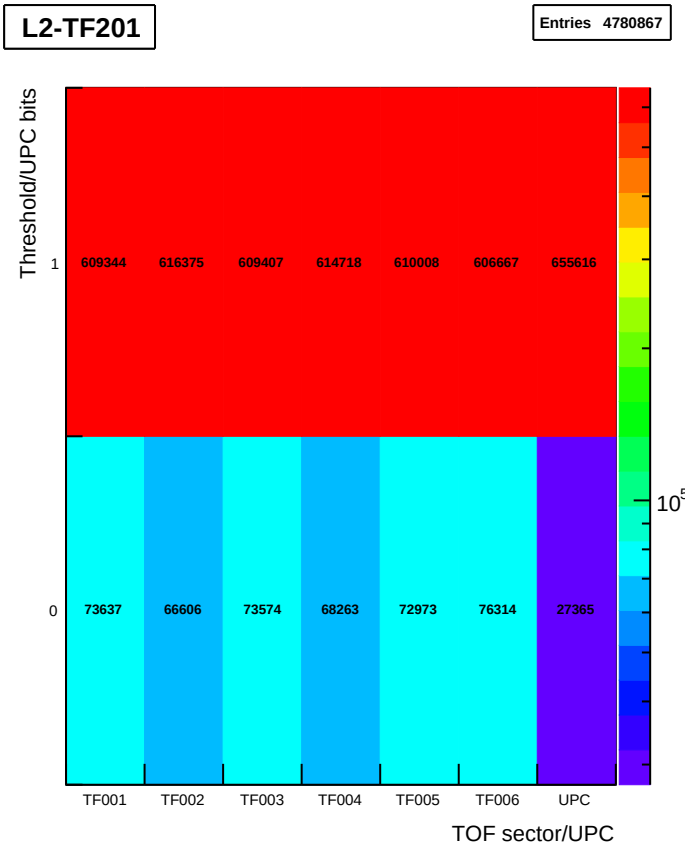

MIX-TF101
Entries 219881
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

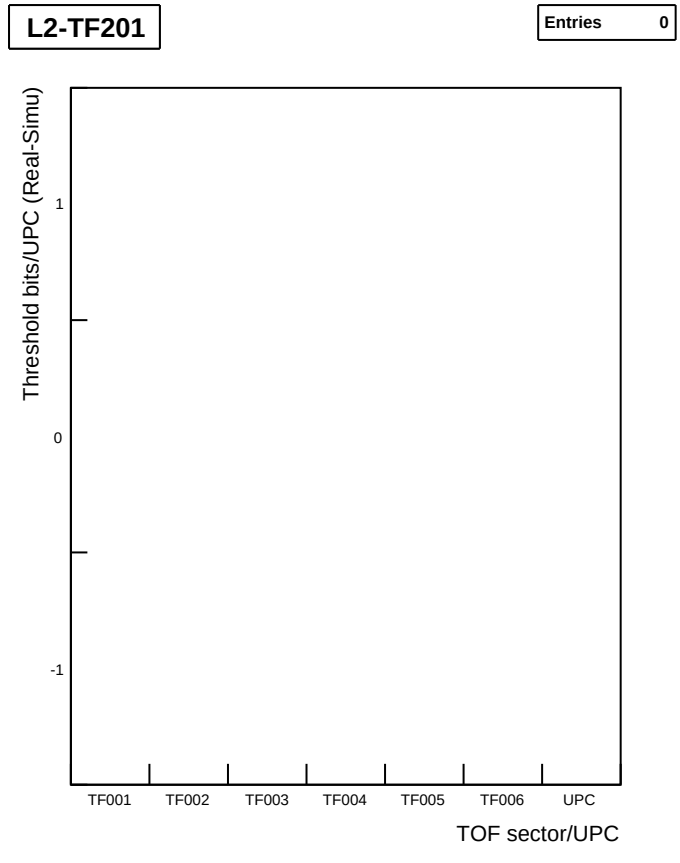

MIX-TF101
Entries 4097886
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

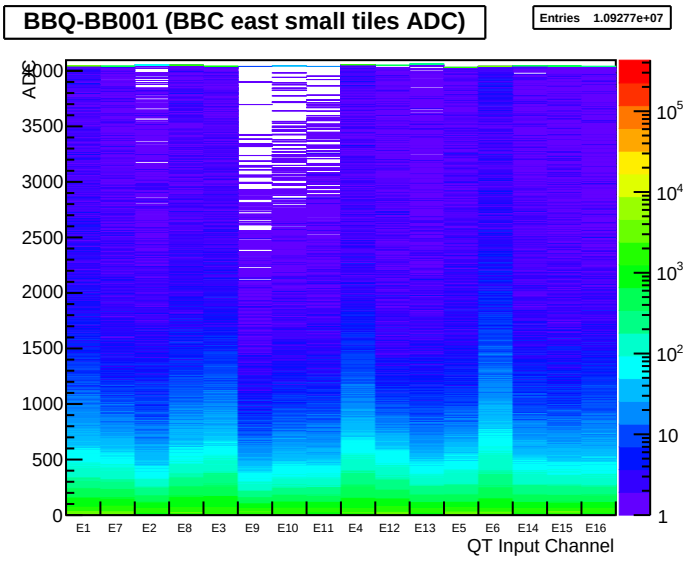

MIX-TF101
Entries 485696
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

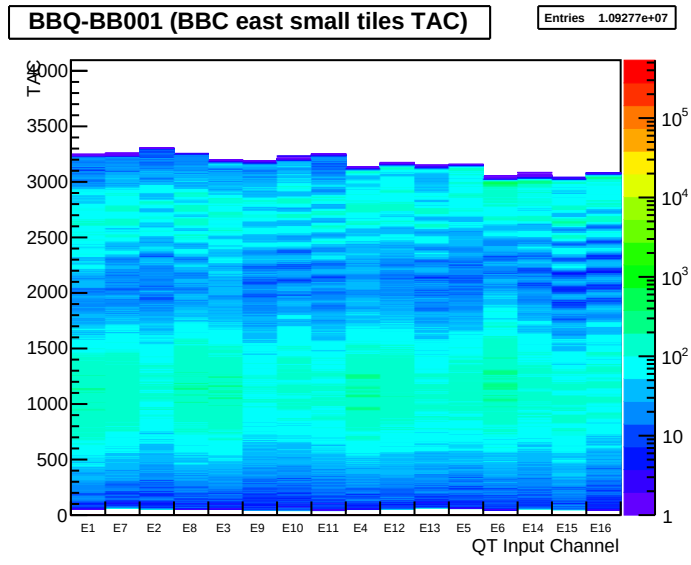

L2-TF201
Entries 682981
TOF total mult

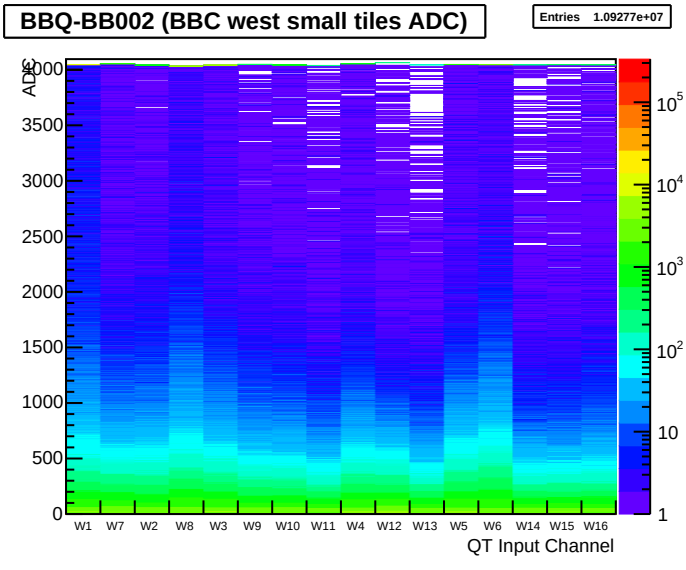

L2-TF201
Entries 0
TOF total mult(Real-Simu)

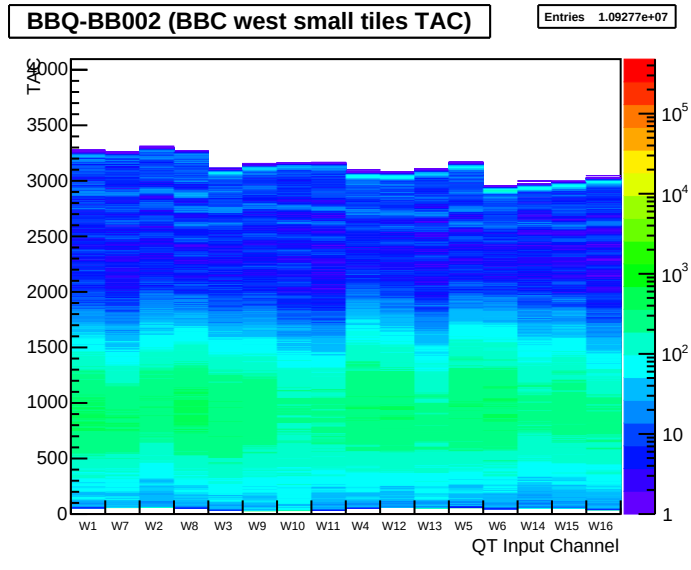

L2-TF201
Entries 4780867
Threshold/UPC bits
609344
616375
609407
614718
610008
606667
655616
73637
66606
73574
68263
72973
76314
27365
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

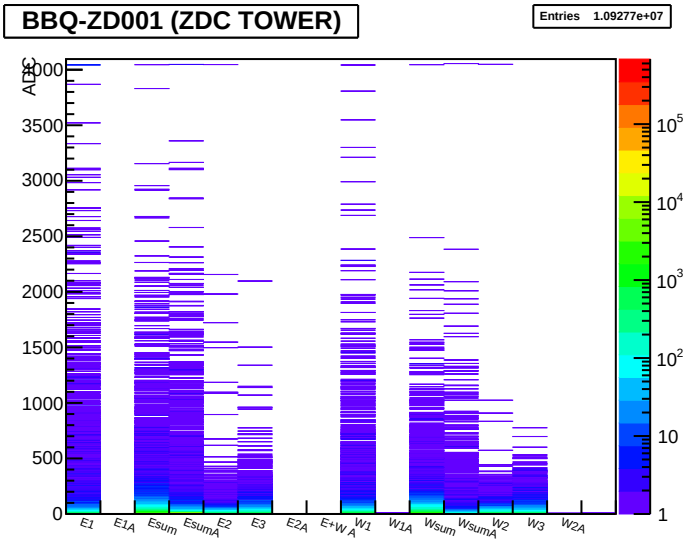

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

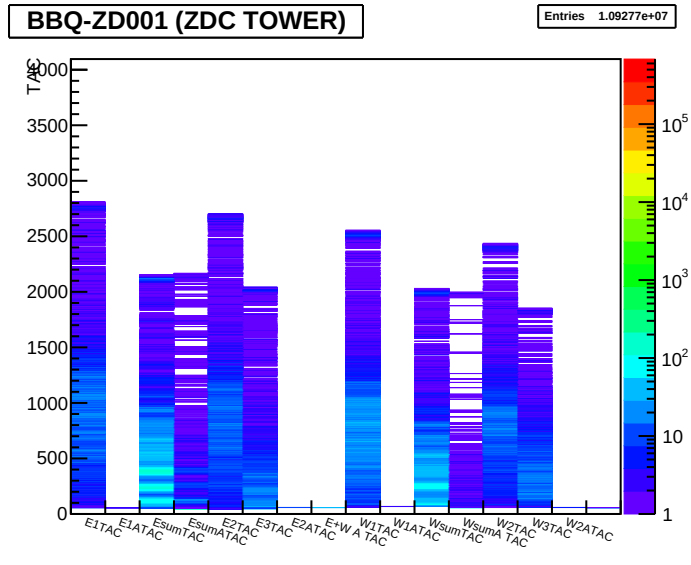

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.09277e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

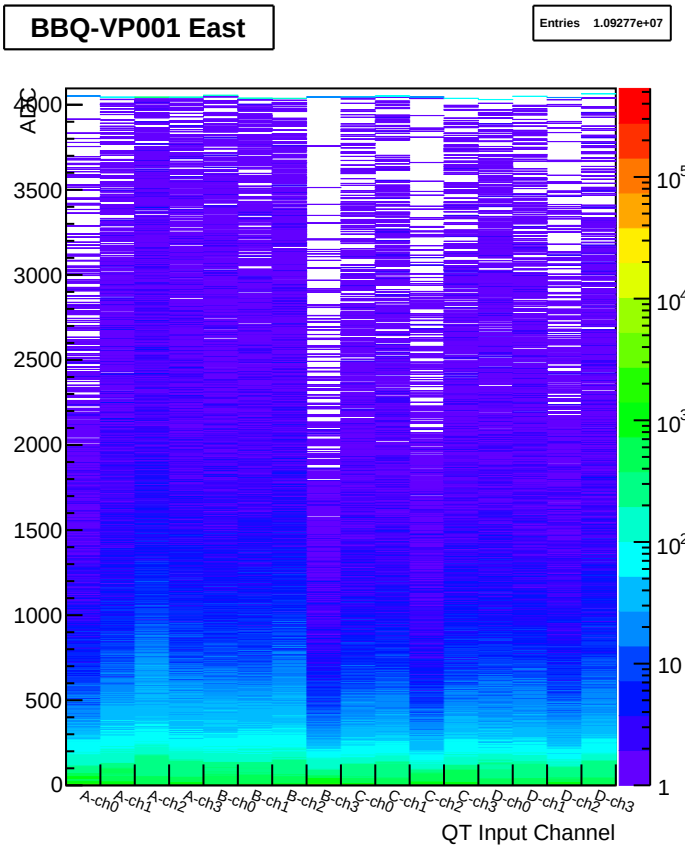

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.09277e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

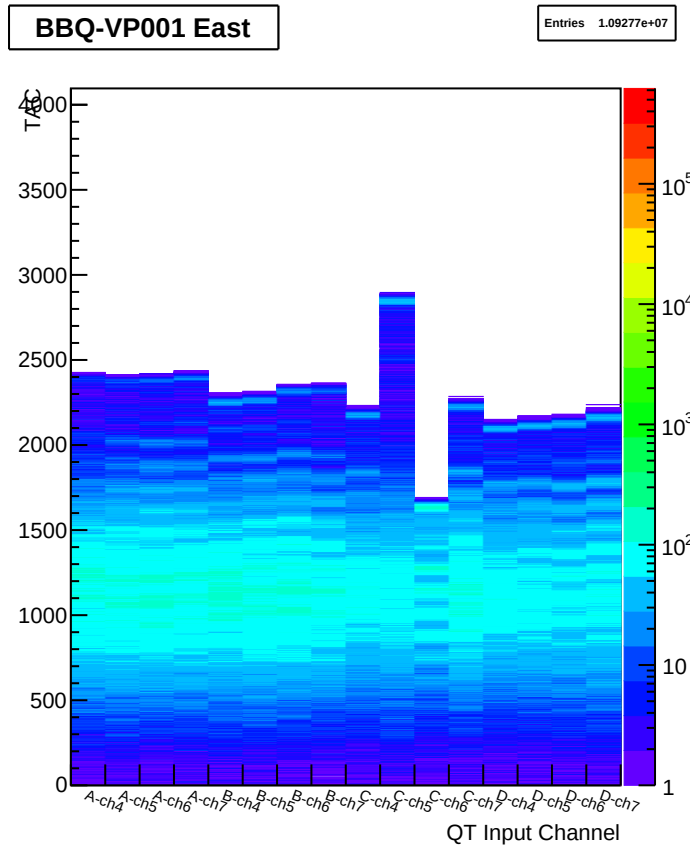

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.09277e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

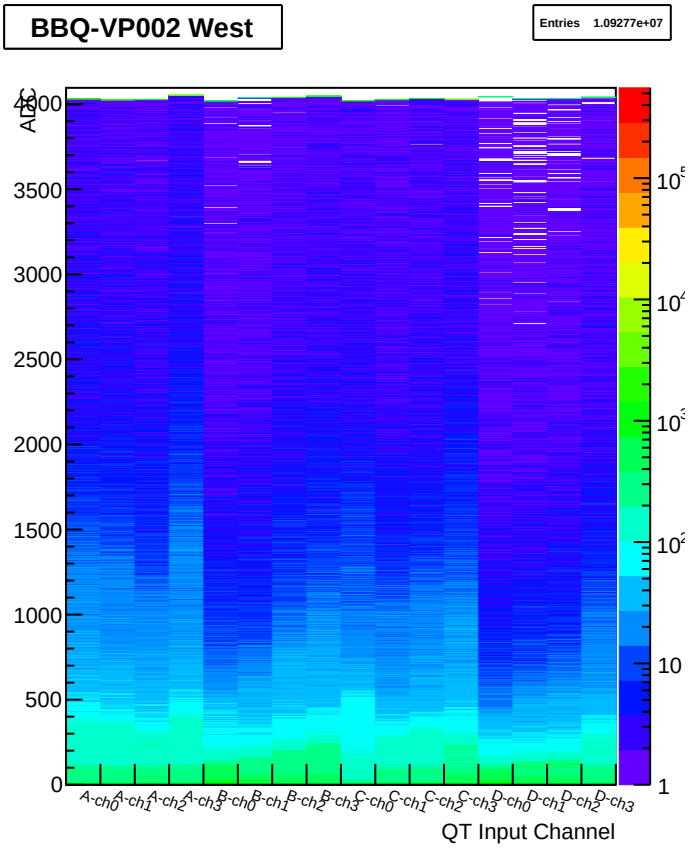

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.09277e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

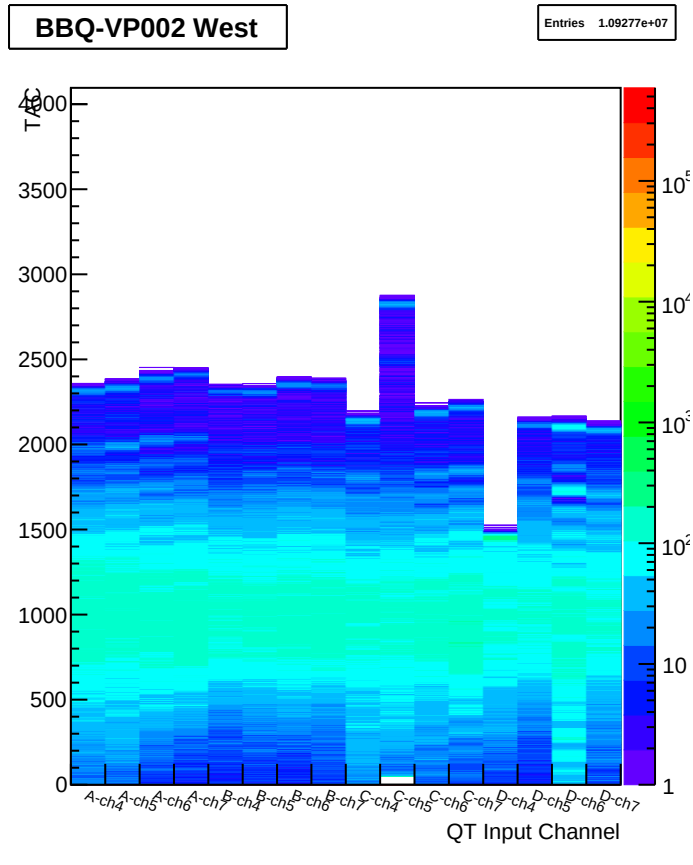

BBQ-ZD001 (ZDC TOWER)
Entries 1.09277e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

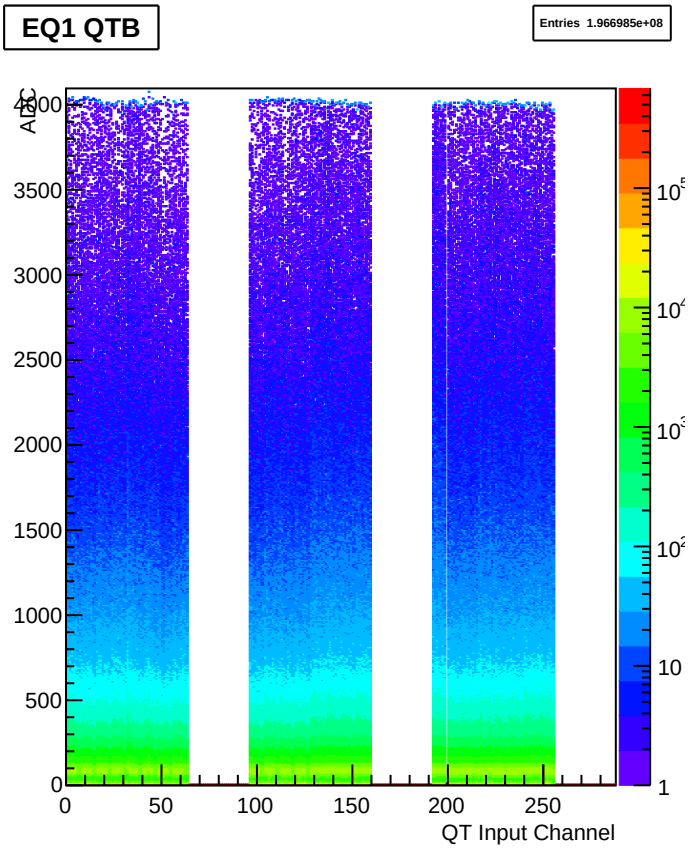

BBQ-ZD001 (ZDC TOWER)
Entries 1.09277e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

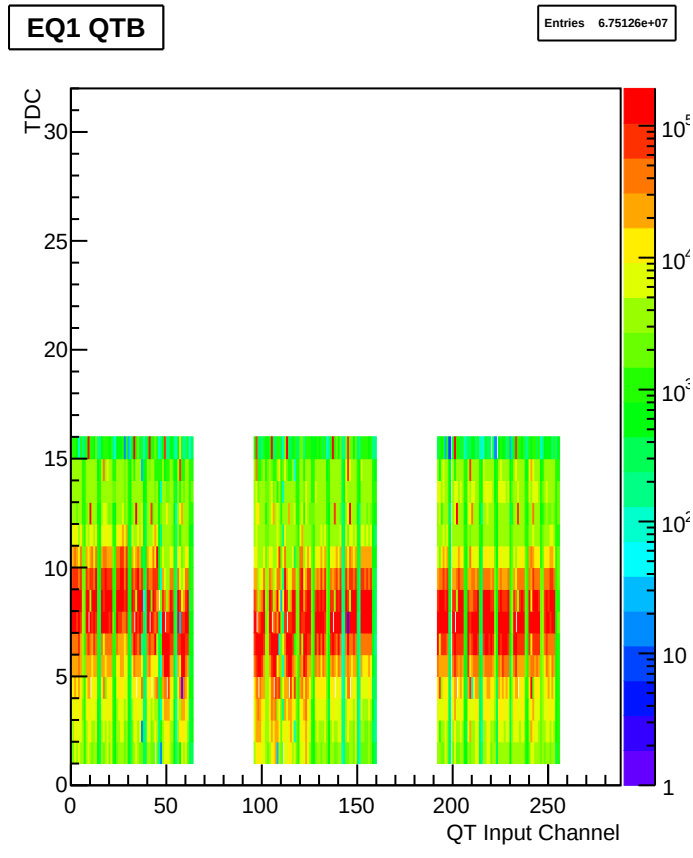

BBQ-VP001 East
Entries 1.09277e+07
ADC
QT Input Channel

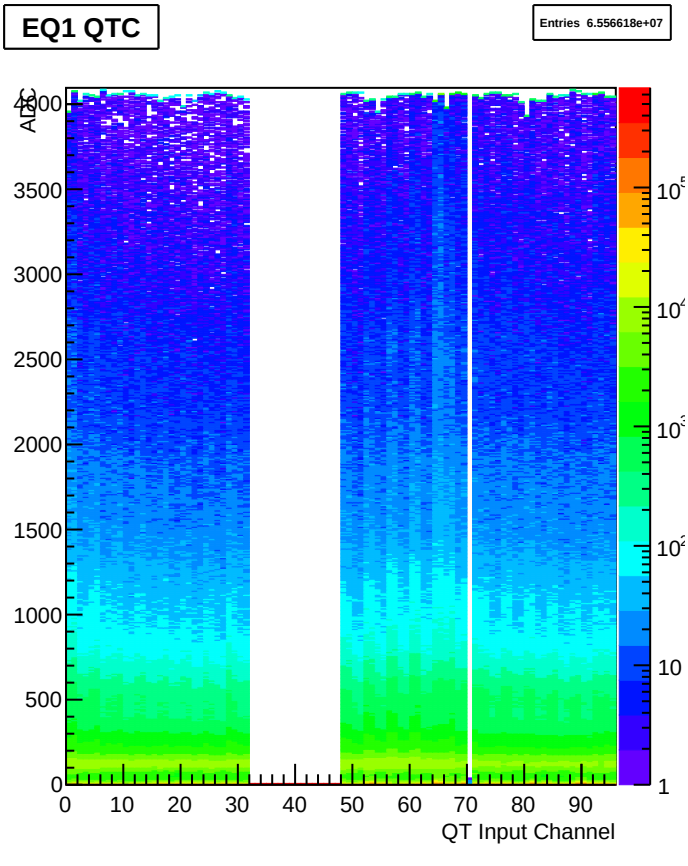

BBQ-VP001 East
Entries 1.09277e+07
TADC
QT Input Channel

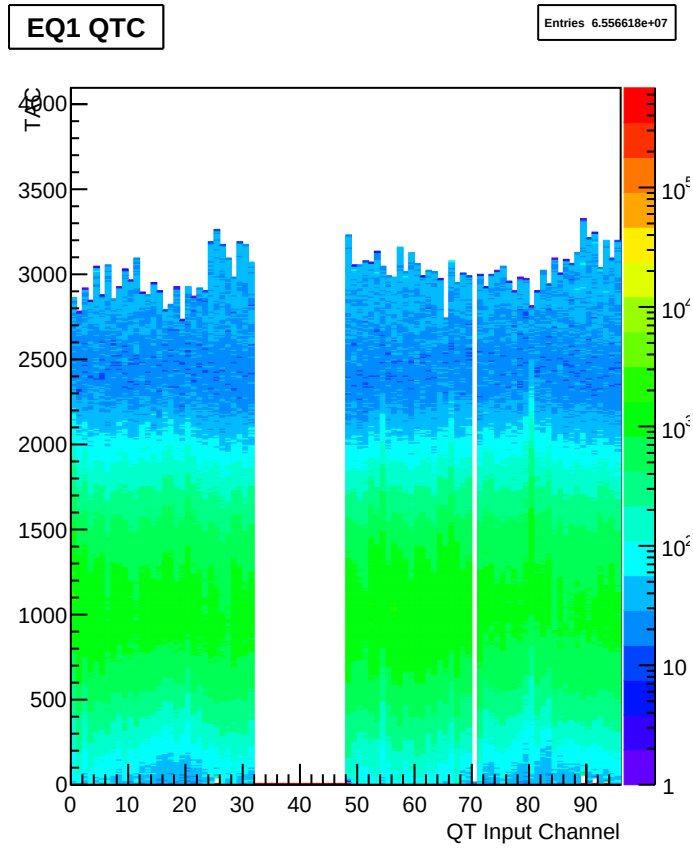

BBQ-VP002 West
Entries 1.09277e+07
ADC
QT Input Channel

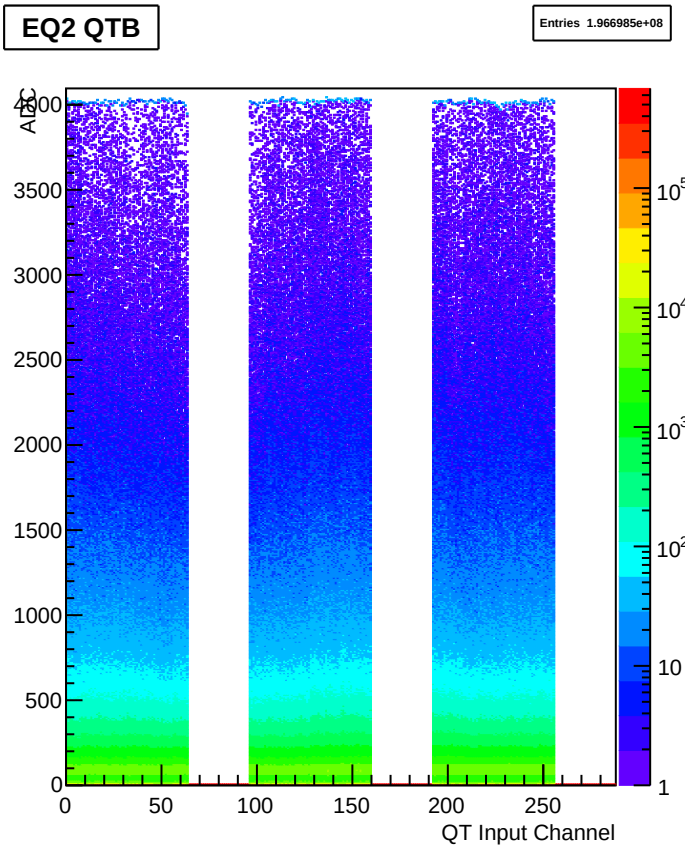

BBQ-VP002 West
Entries 1.09277e+07
TADC
QT Input Channel

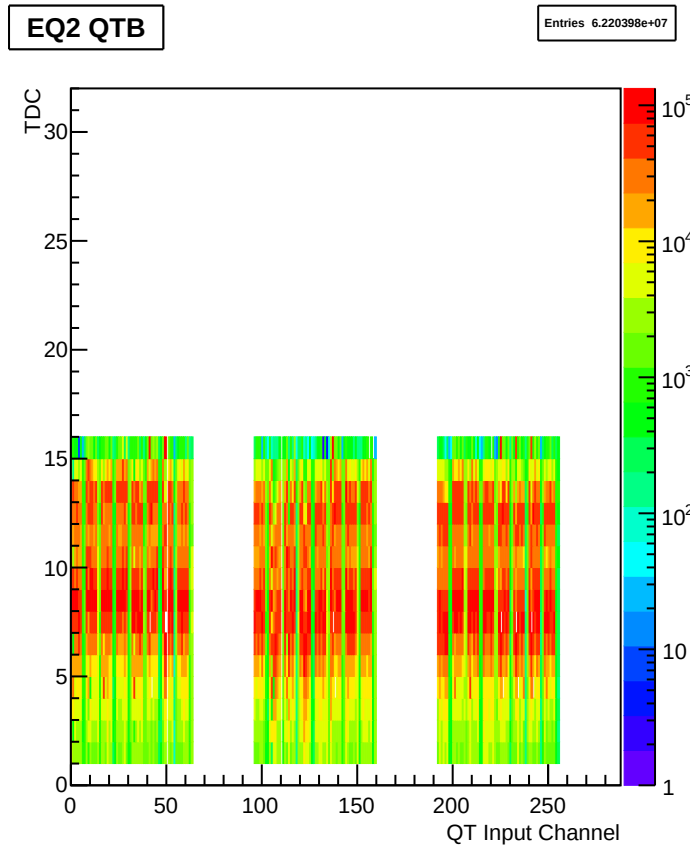

EQ1 QTB
Entries 1.966985e+08
ADC
QT Input Channel

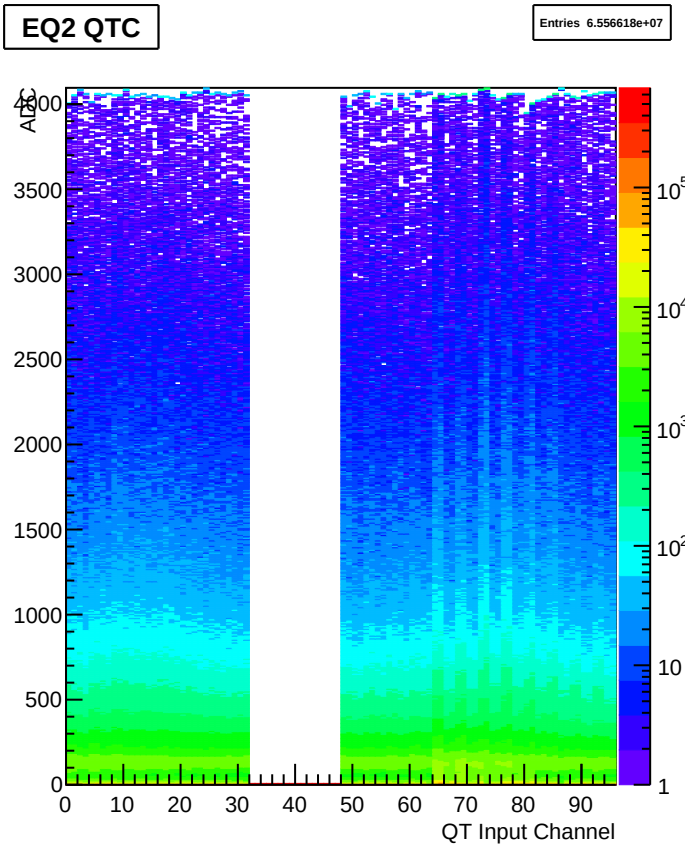

EQ1 QTB
Entries 6.75126e+07
TDC
QT Input Channel

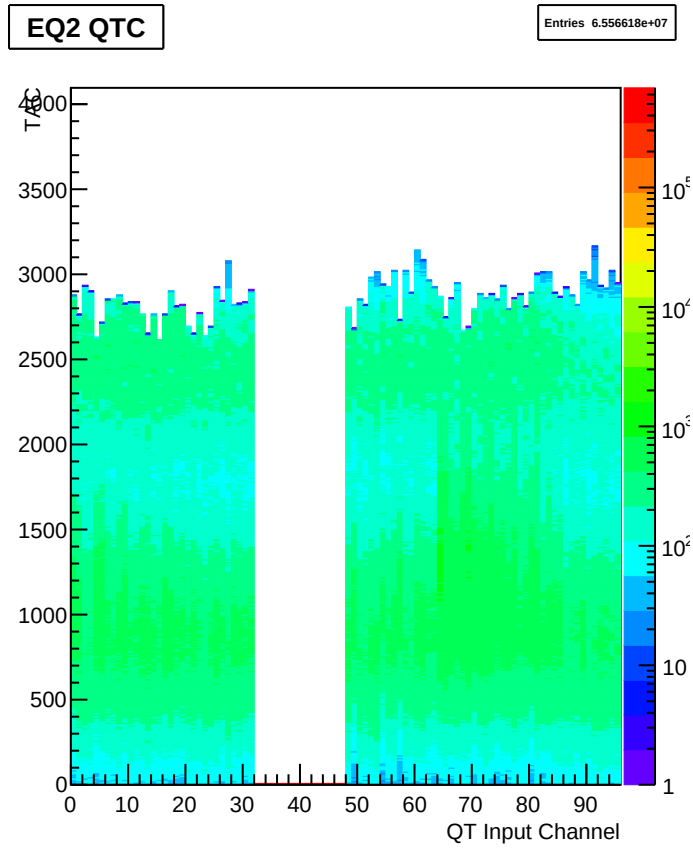

EQ1 QTC
Entries 6.556618e+07
ADC
QT Input Channel

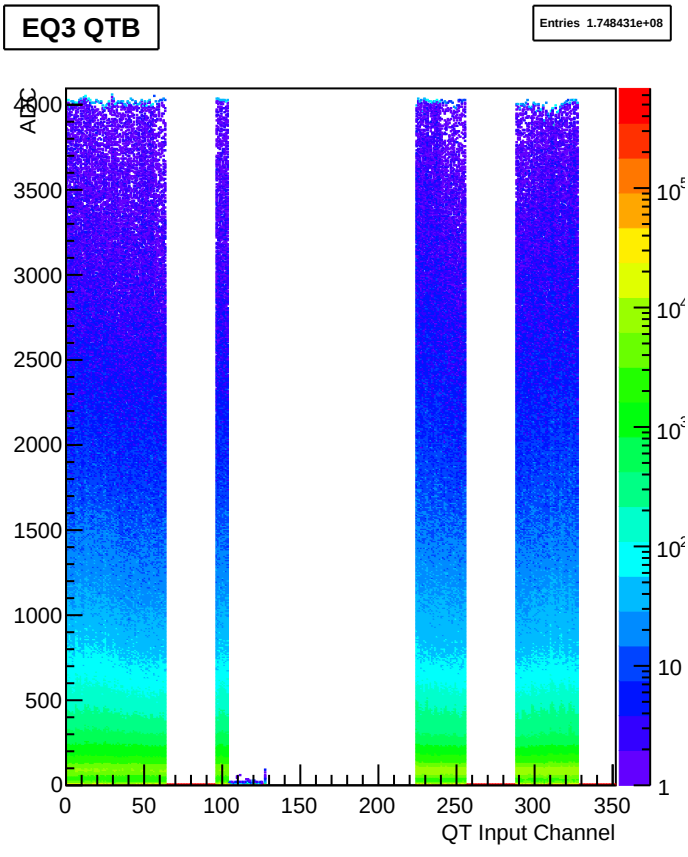

EQ1 QTC
Entries 6.556618e+07
TADC
QT Input Channel

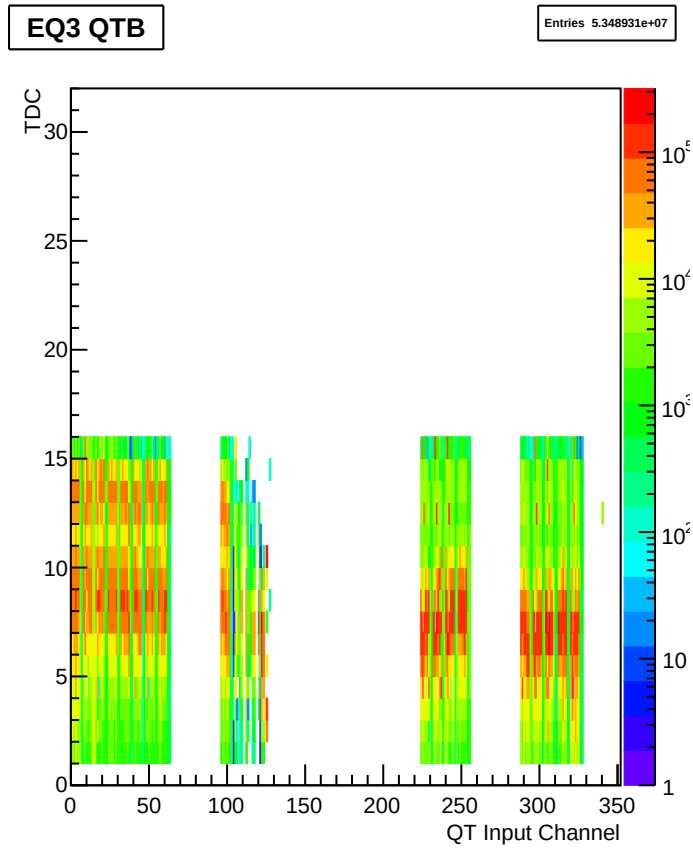

EQ2 QTB
Entries 1.966985e+08
ADC
QT Input Channel

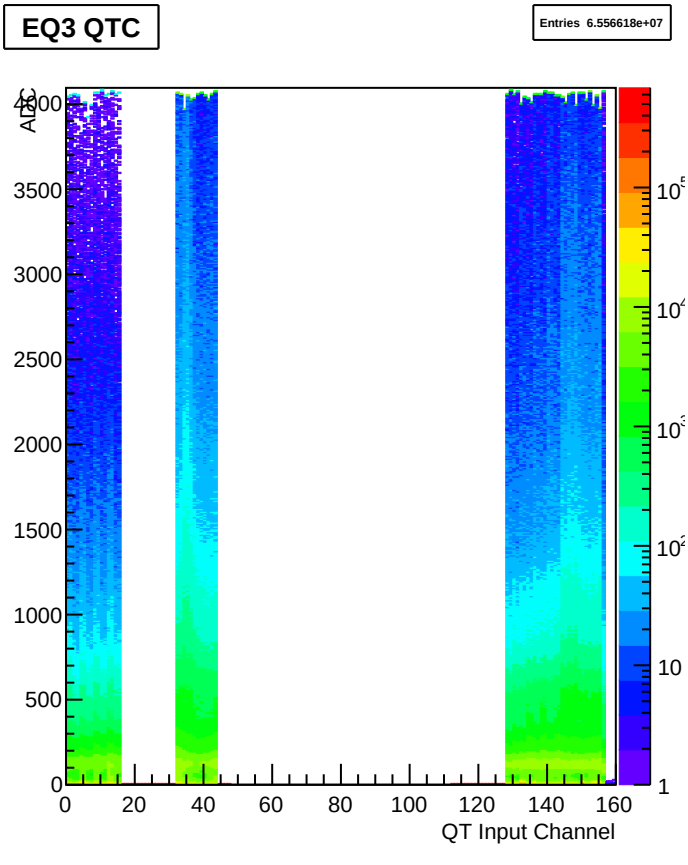

EQ2 QTB
Entries 6.220398e+07
TDC
QT Input Channel

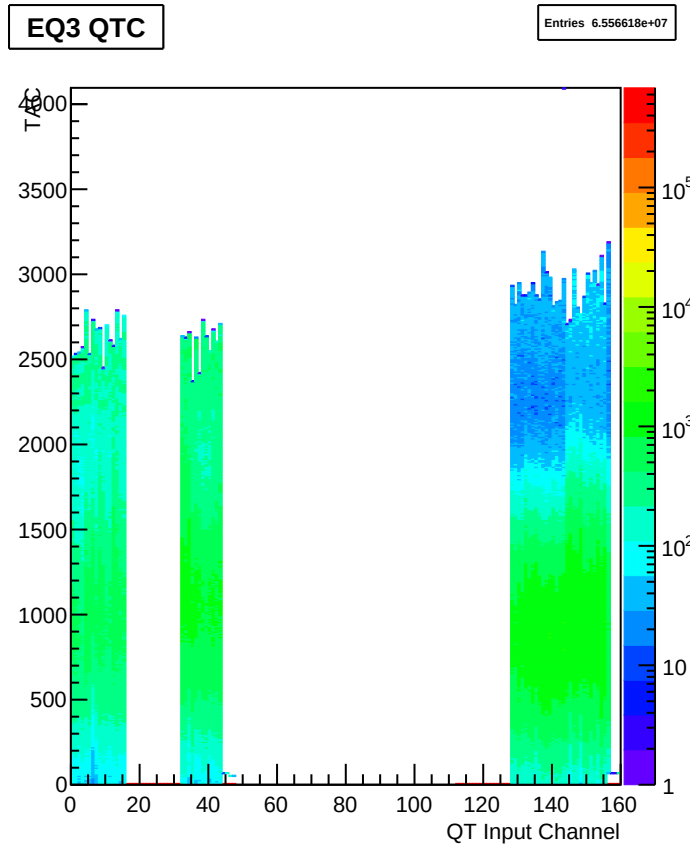

EQ2 QTC
Entries 6.556618e+07
ADC
QT Input Channel

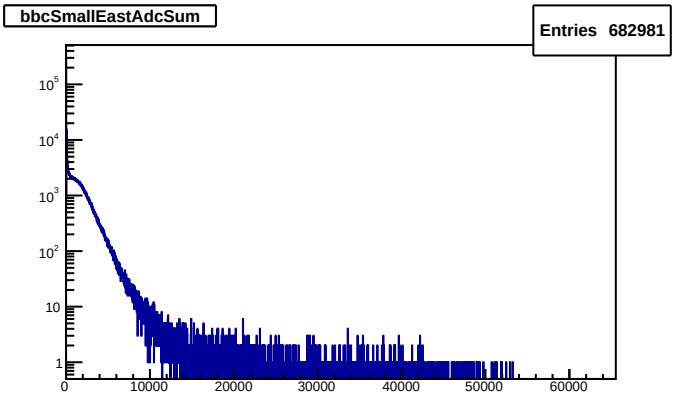

EQ2 QTC
Entries 6.556618e+07
TADC
QT Input Channel

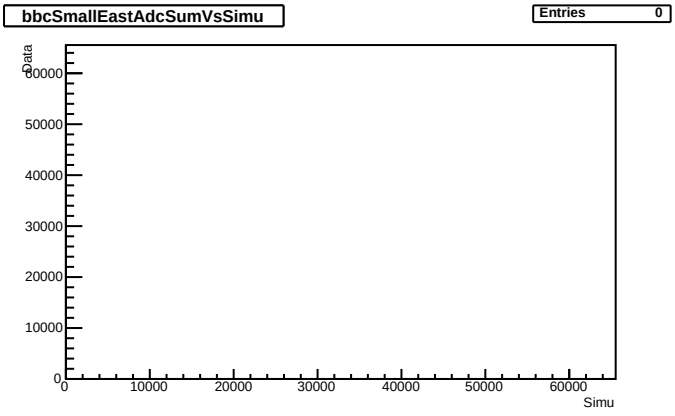

EQ3 QTB
Entries 1.748431e+08
ADC
QT Input Channel

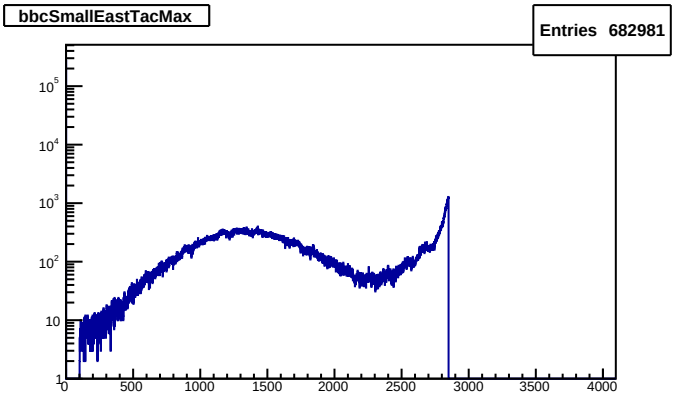

EQ3 QTB
Entries 5.348931e+07
TDC
QT Input Channel

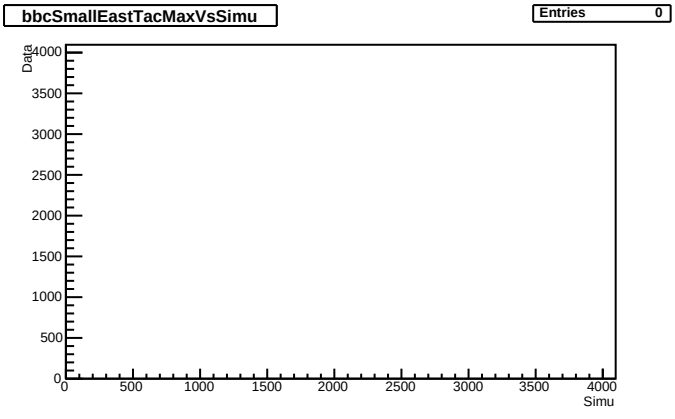

EQ3 QTC
Entries 6.556618e+07
ADC
QT Input Channel

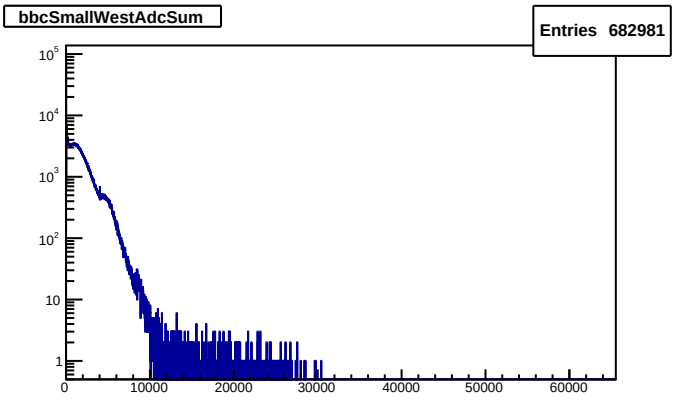

EQ3 QTC
Entries 6.556618e+07
TADC
QT Input Channel

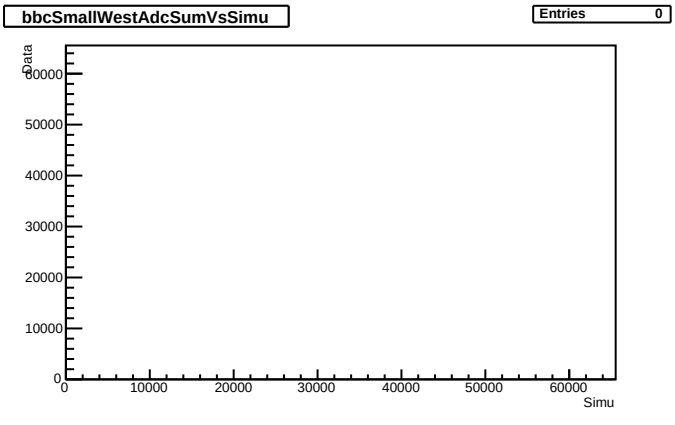

bbcSmallEastAdcSum
Entries 682981


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 682981


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 682981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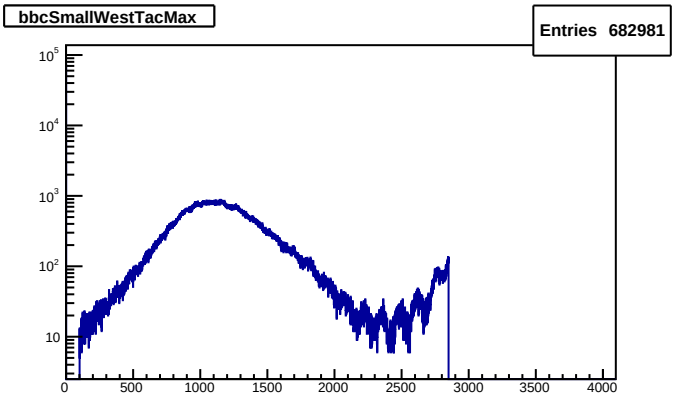
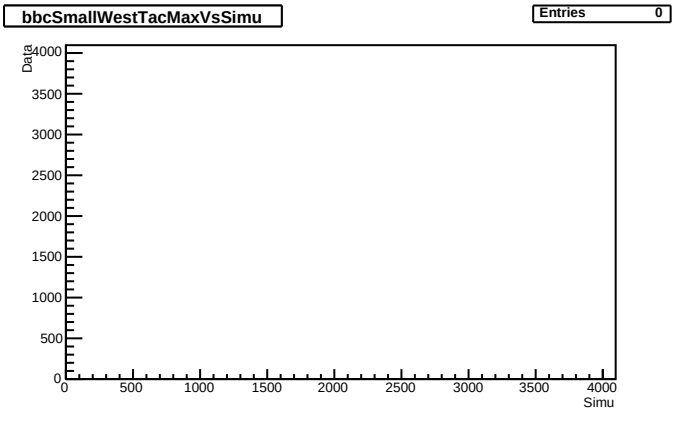
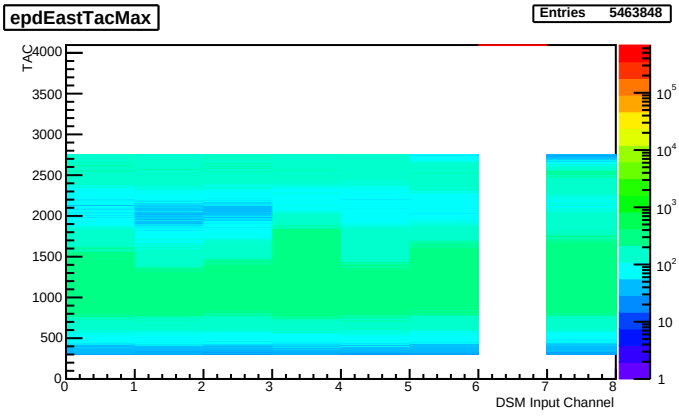
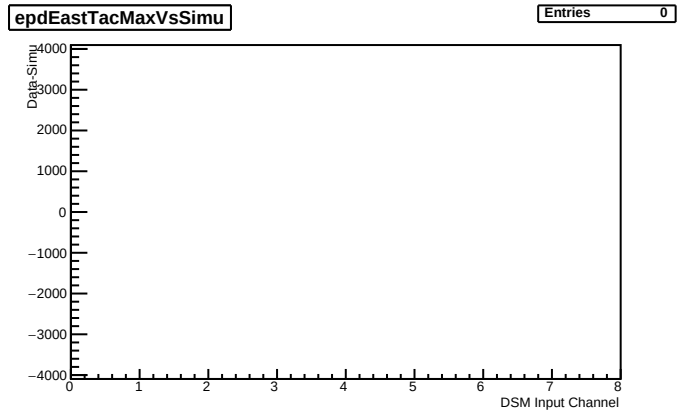
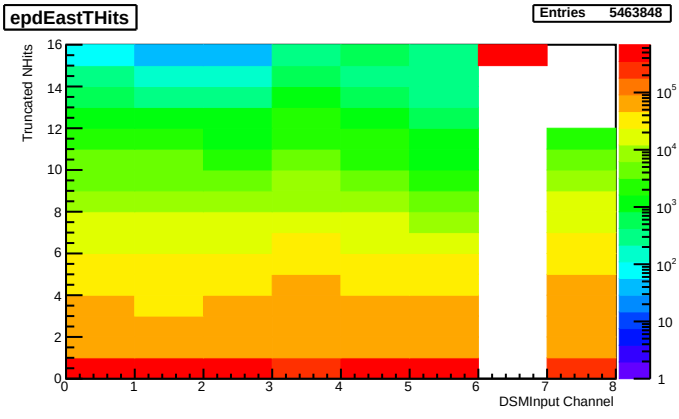
Entries 0
Data
Simu

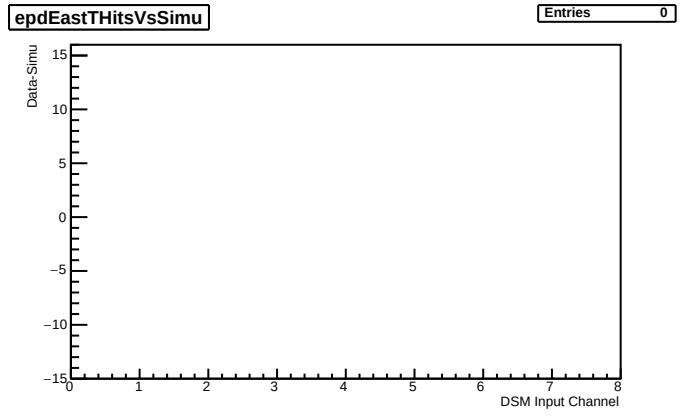

bbcSmallWestTacMax
Entries 682981


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 5463848
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5463848
Truncated NHits
DSMInput Channel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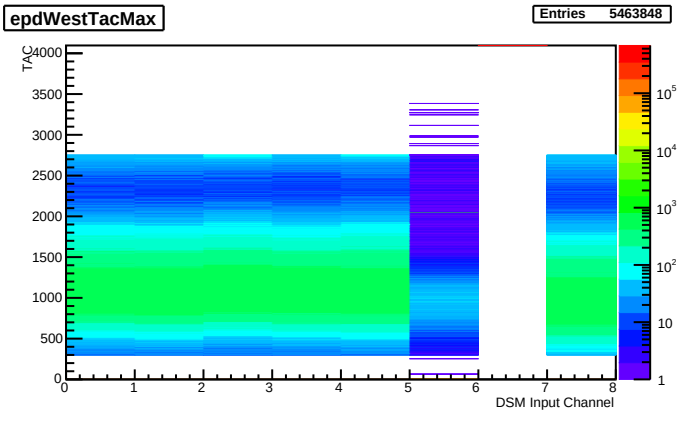
Data-Simu
DSM Input Channel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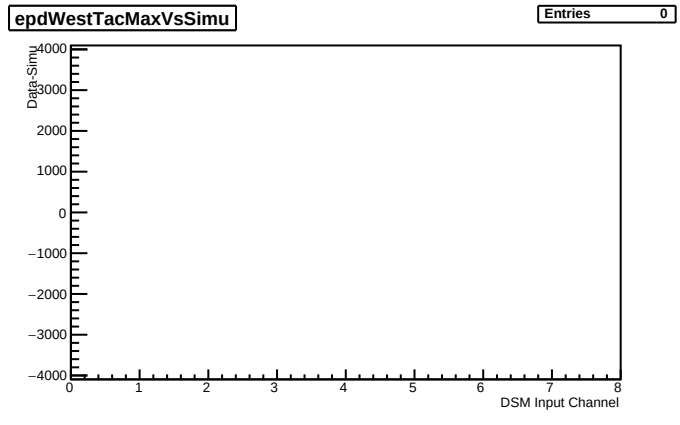
Entries 5463848
TAC
DSM Input Channel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Entries 0
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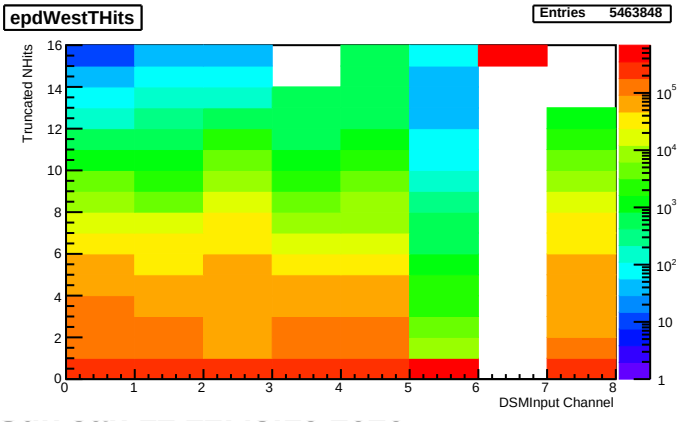
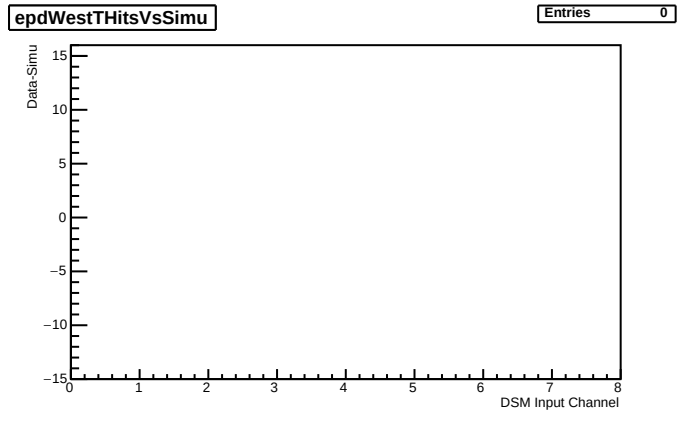
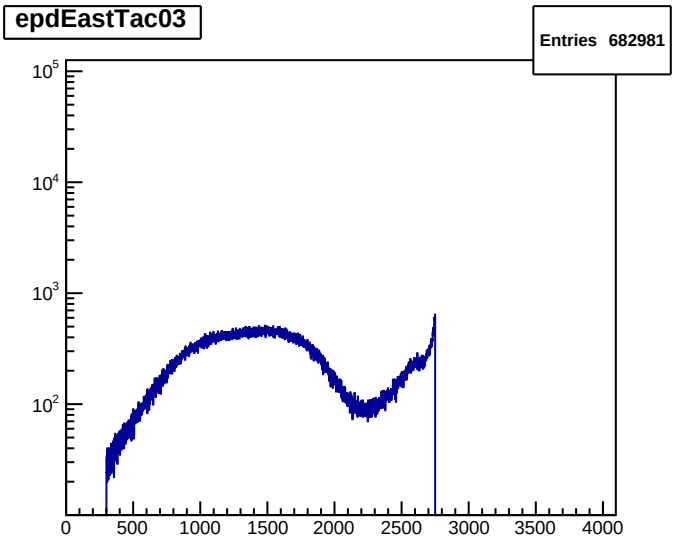
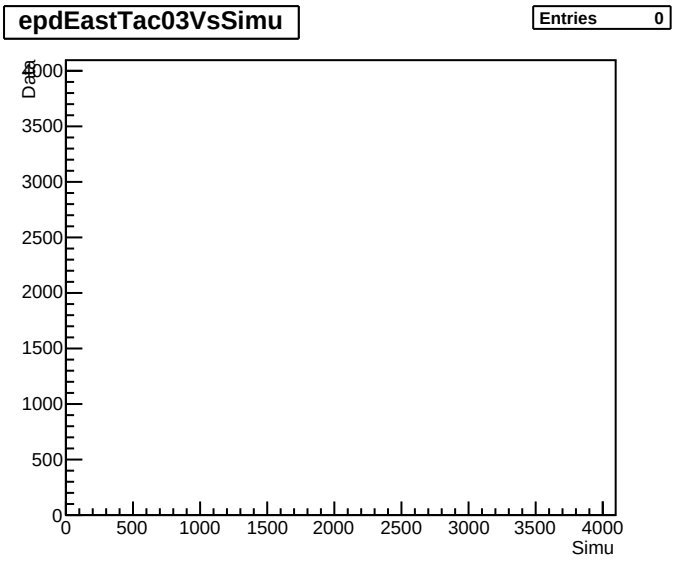
DSM Input Channel


epdWestTHits
Entries 5463848
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 682981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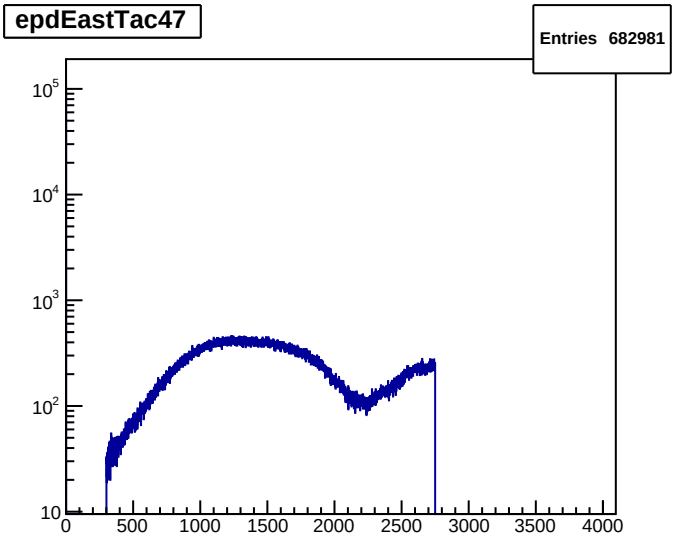
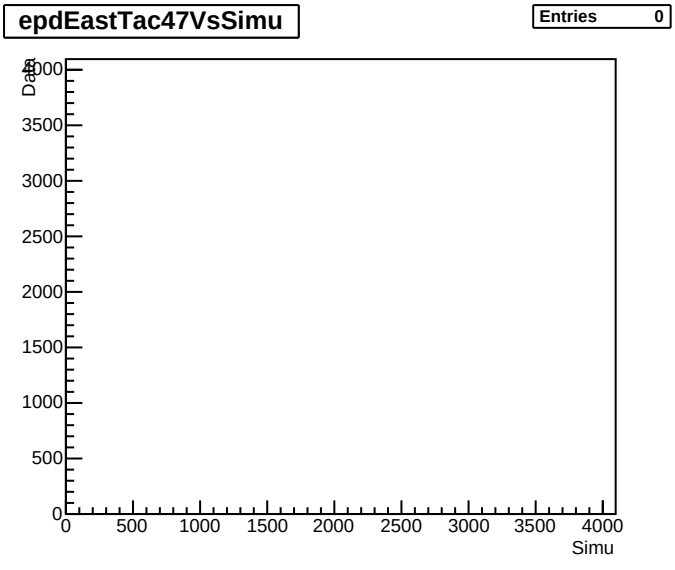
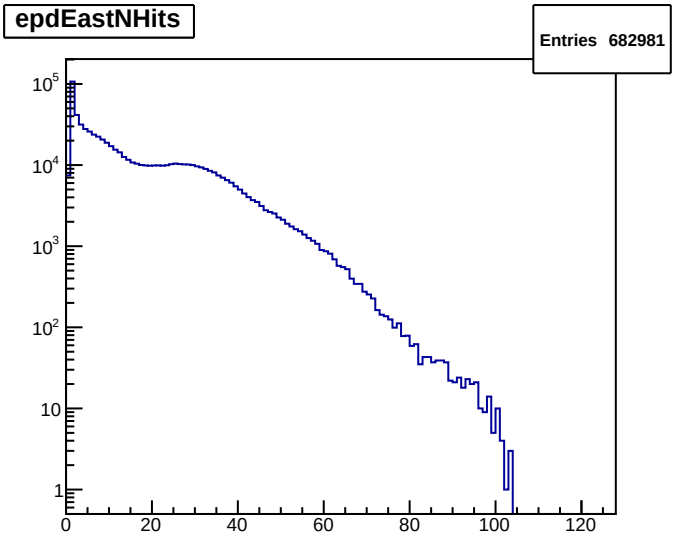
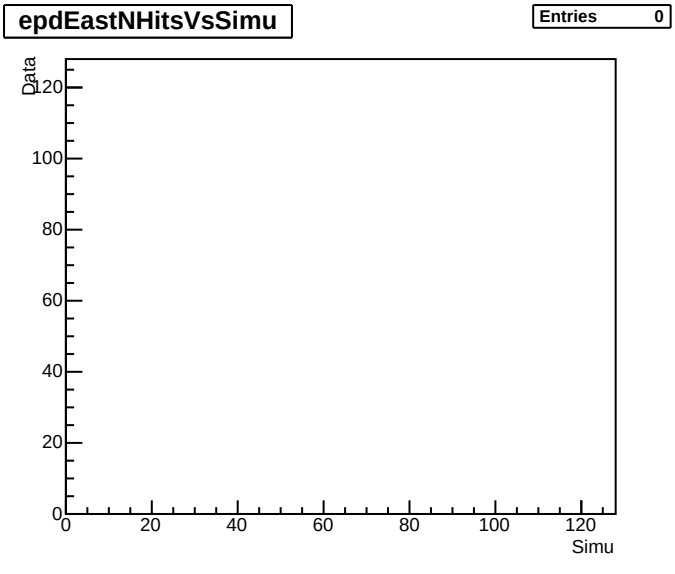
Entries 0
Data
Simu


epdEastTac47
Entries 682981


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 682981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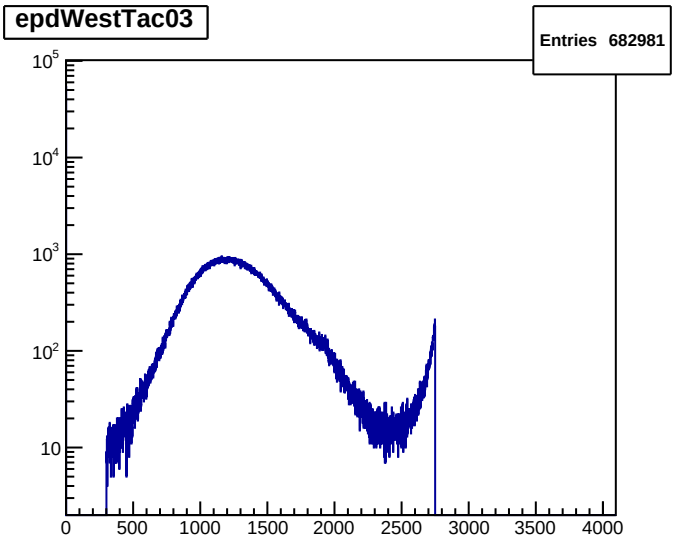
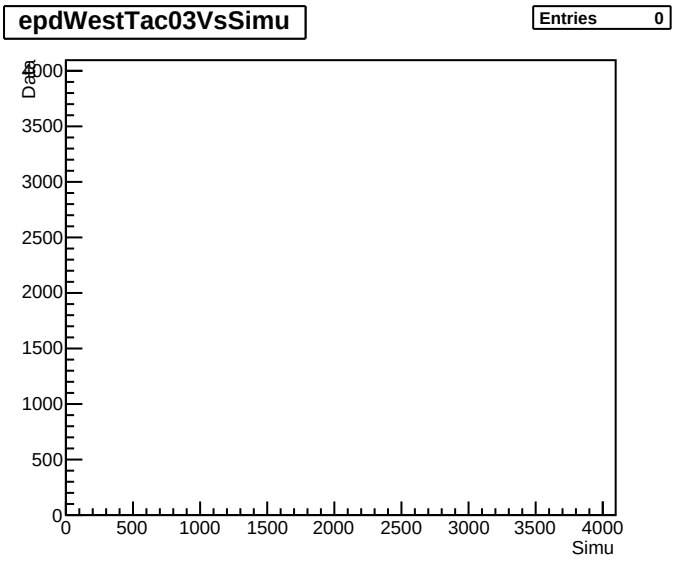
Entries 0
Data
Simu


epdWestTac03
Entries 682981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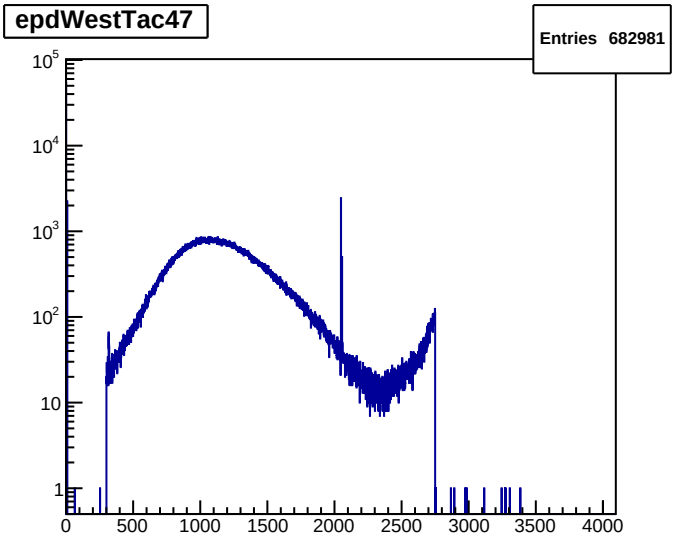
Entries 0
Data
Simu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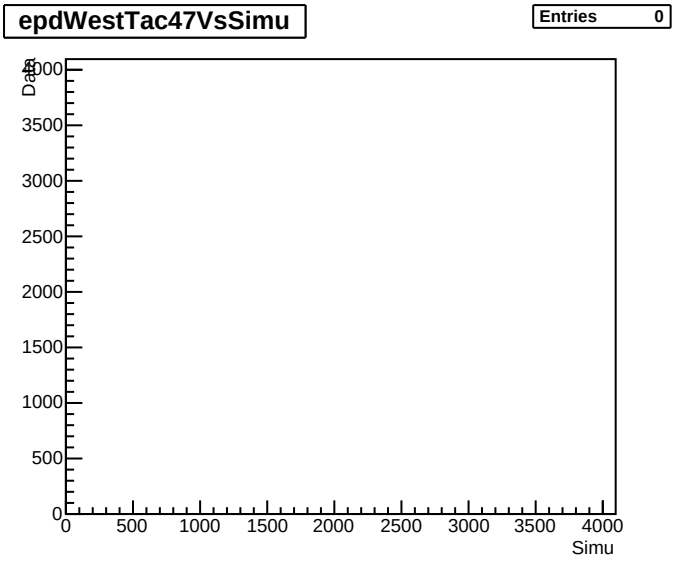
Entries 682981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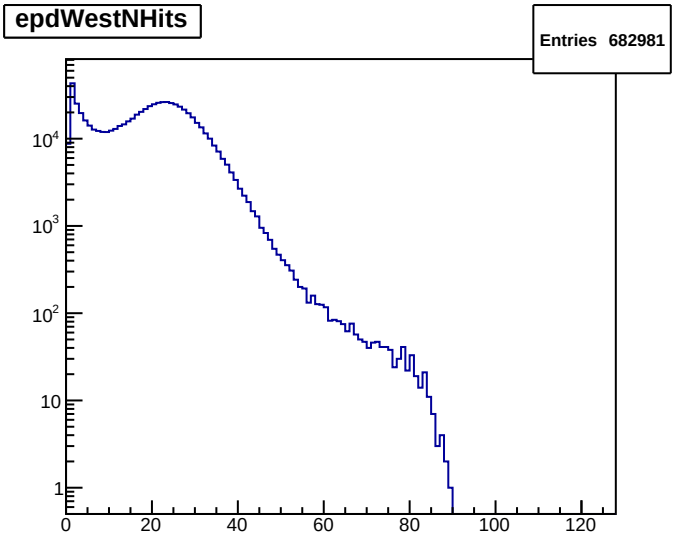
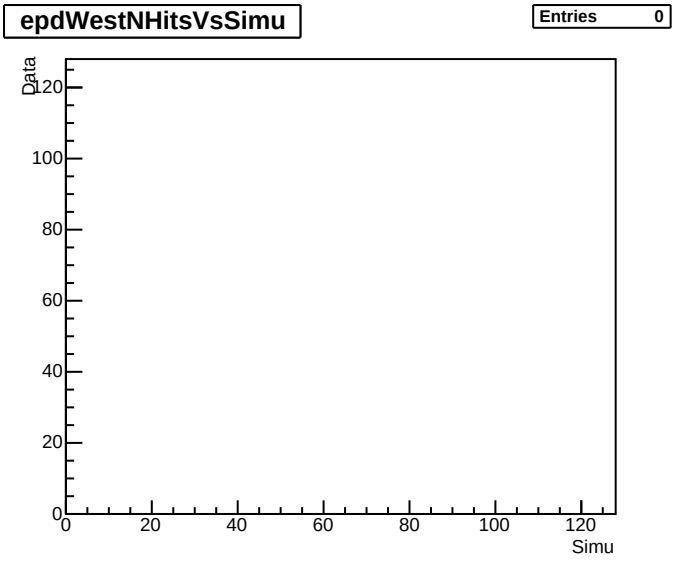
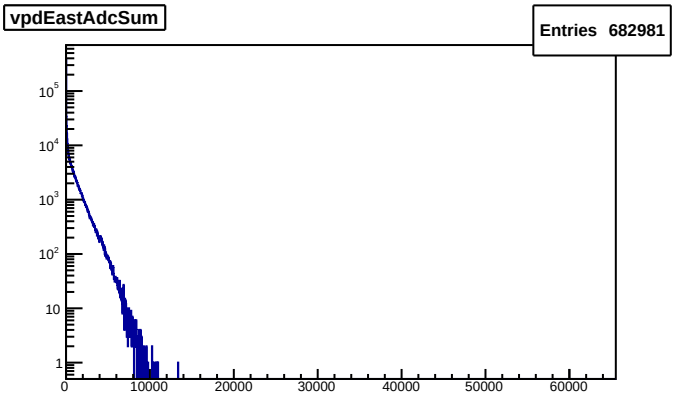
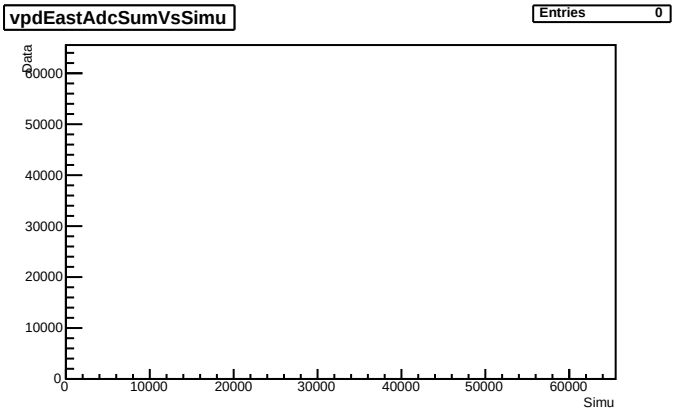
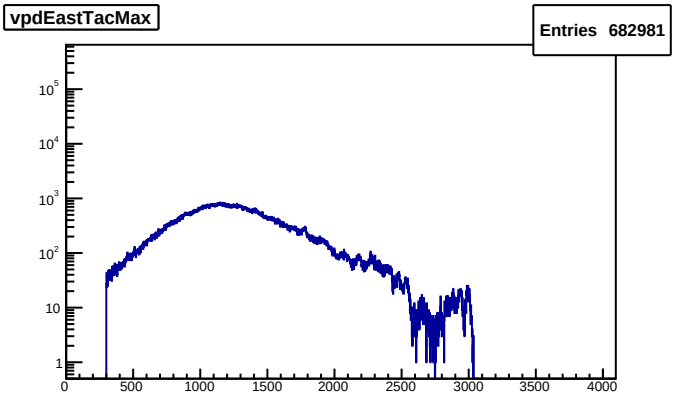
Entries 0
Data
Simu

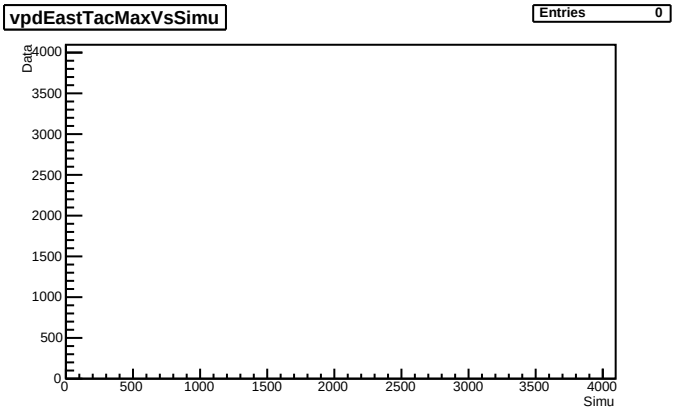

epdWestNHits
Entries 682981

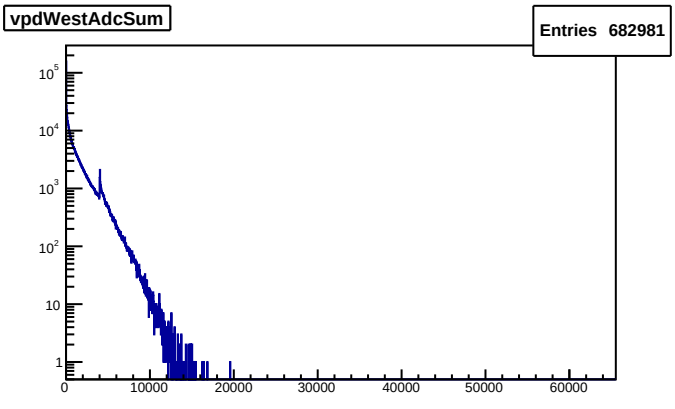

epdWestNHitsVsSimu
Entries 0
Data
Simu

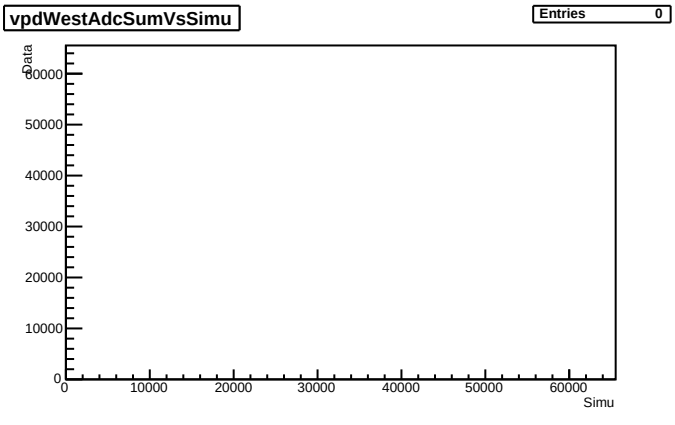

vpdEastAdcSum
Entries 682981

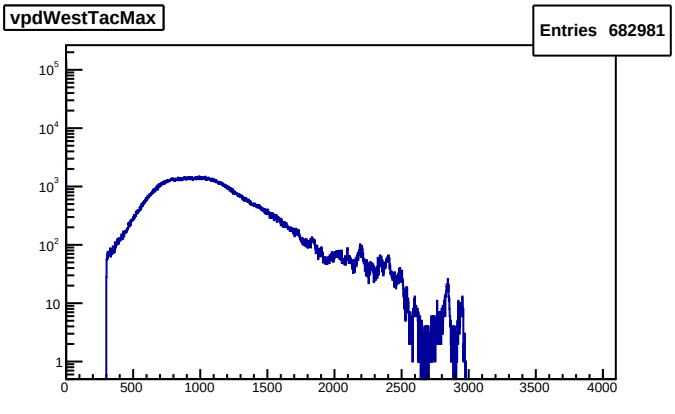

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

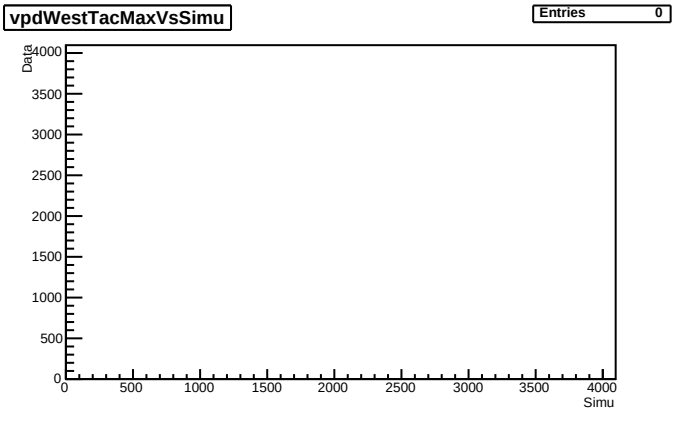

vpdEastTacMax
Entries 682981

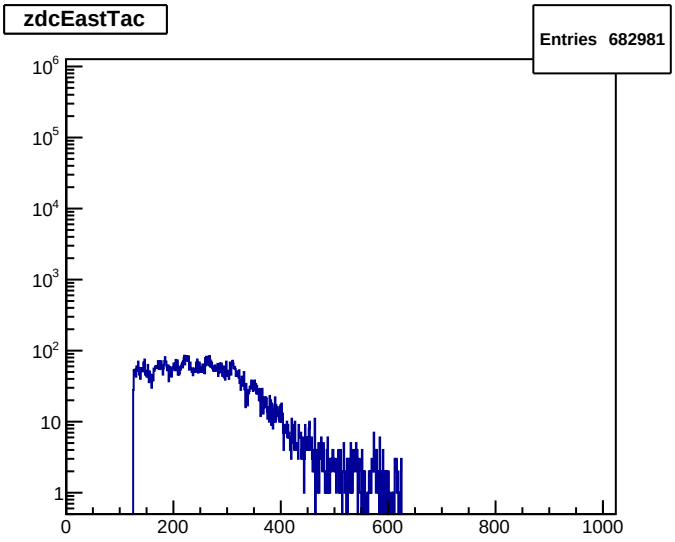

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

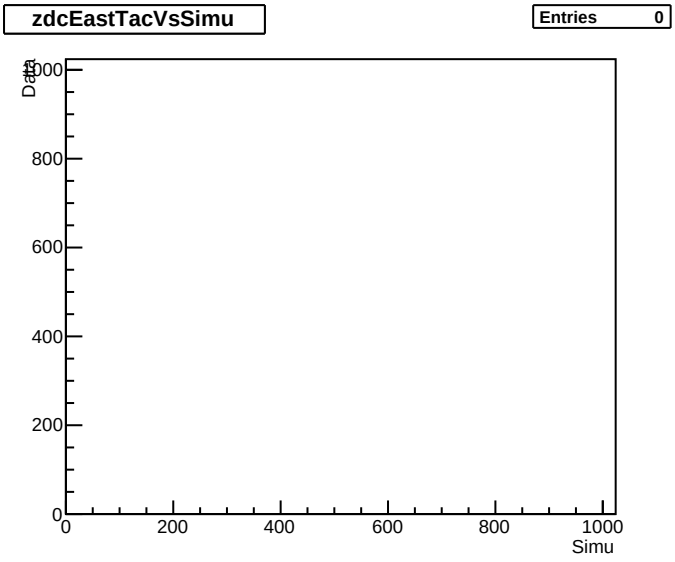

vpdWestAdcSum
Entries 682981

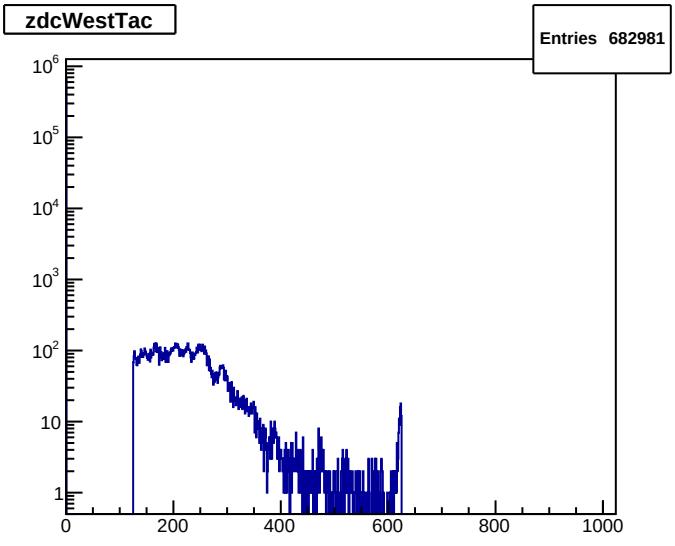

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

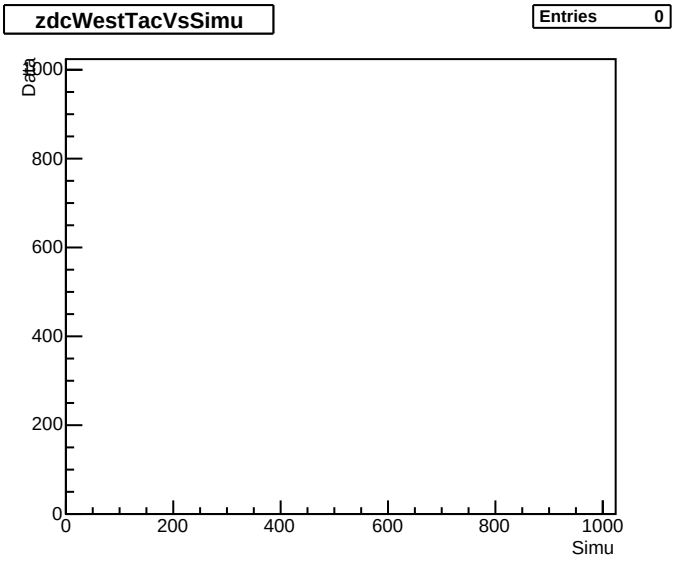

vpdWestTacMax
Entries 682981

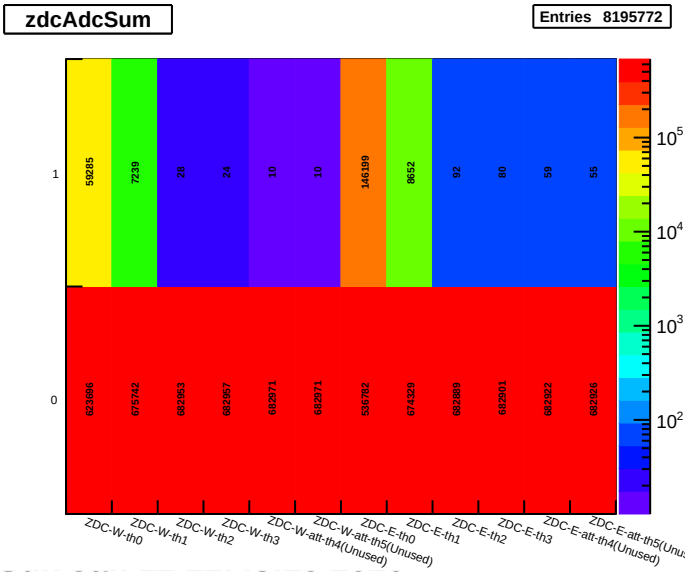

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

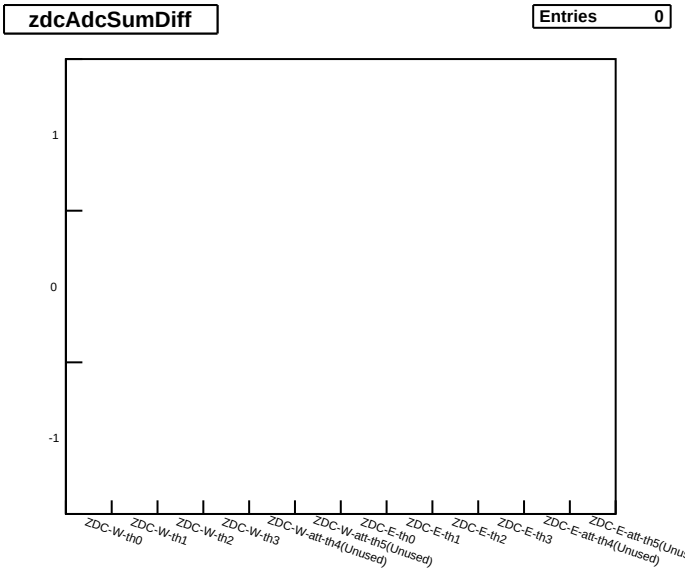

zdcEastTac
Entries 682981

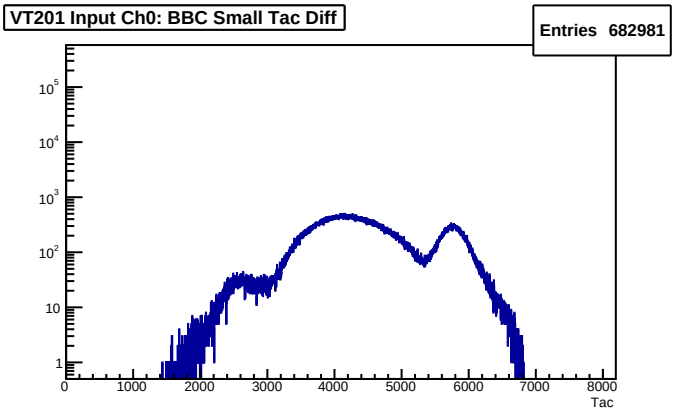

zdcEastTacVsSimu
Entries 0
Data
Simu

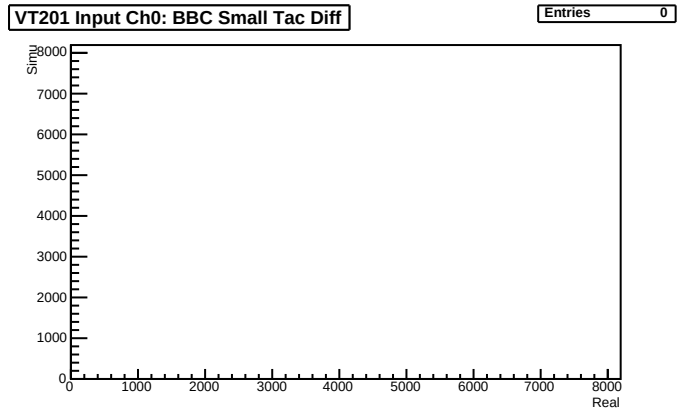

zdcWestTac
Entries 682981

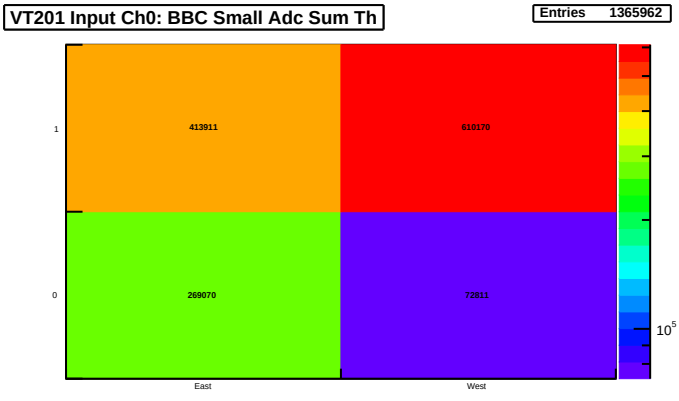

zdcWestTacVsSimu
Entries 0
Data
Simu

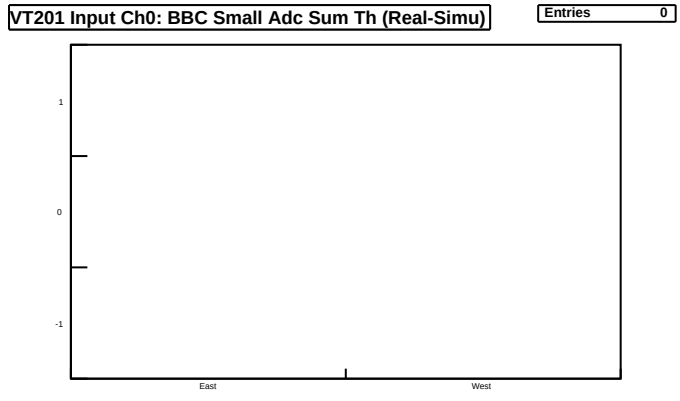

zdcAdcSum
Entries 8195772
59285
7239
28
24
10
10
146199
8652
92
80
59
55
623686
675742
682953
682957
682971
682971
536782
674329
682889
682901
682922
682926
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

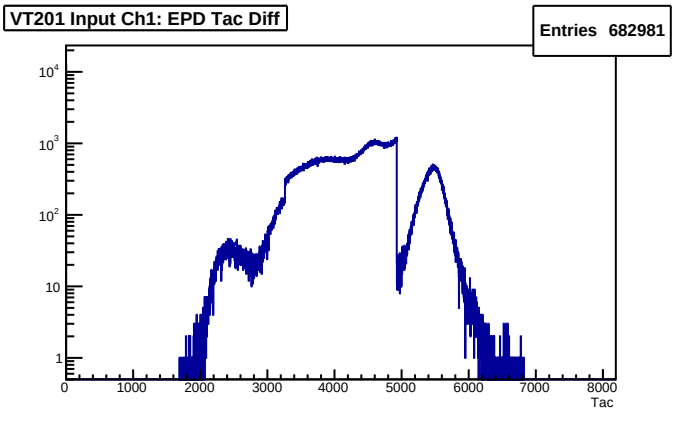

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

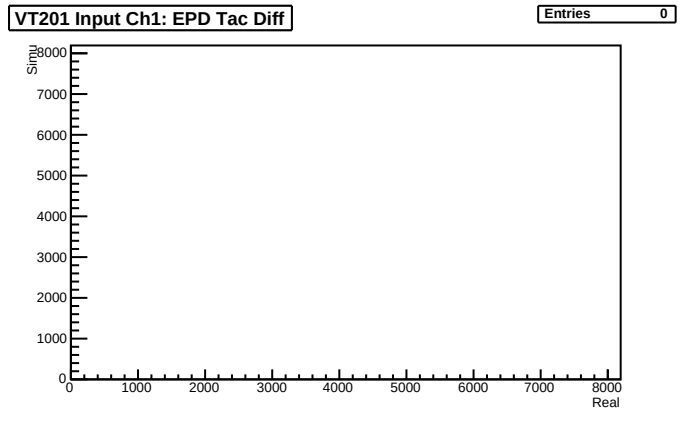

VT201 Input Ch0: BBC Small Tac Diff
Entries 682981
Tac

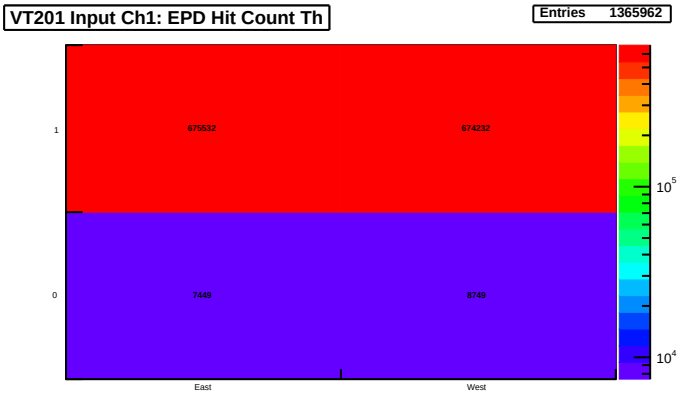

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

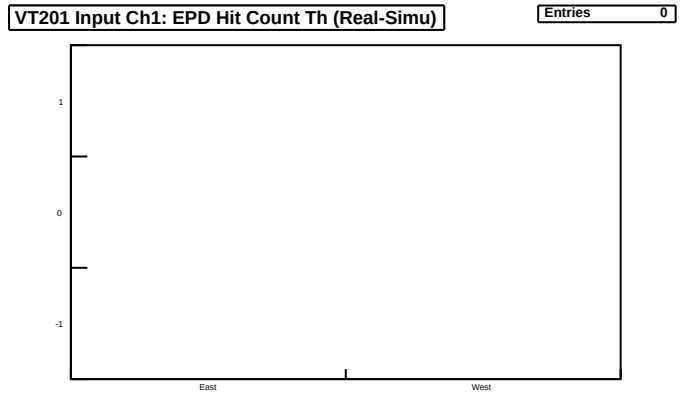

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1365962
413911
610170
269070
72811
East
West

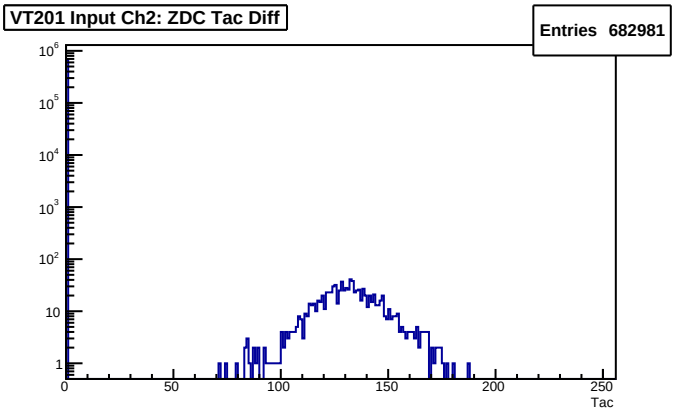

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

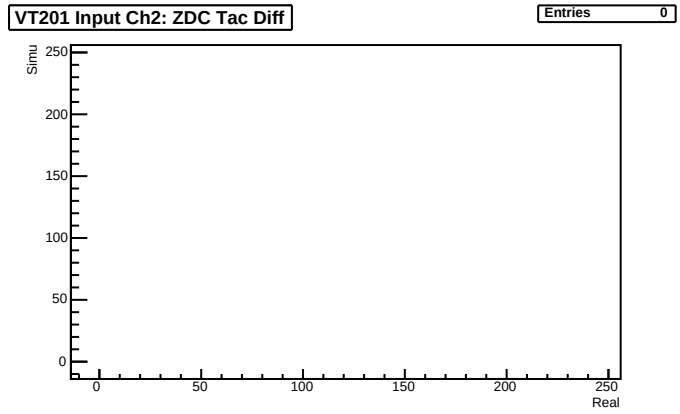

VT201 Input Ch1: EPD Tac Diff
Entries 682981
Tac

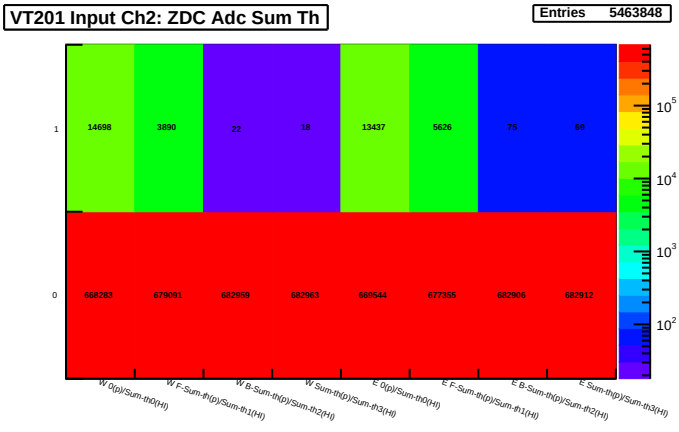

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

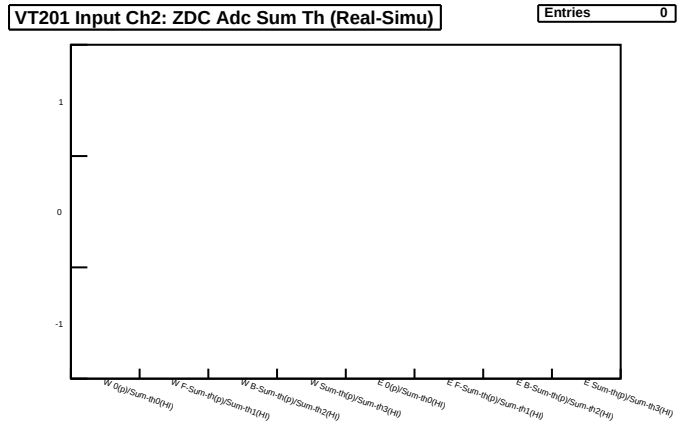

VT201 Input Ch1: EPD Hit Count Th
Entries 1365962
675532
674232
7449
8749
East
West

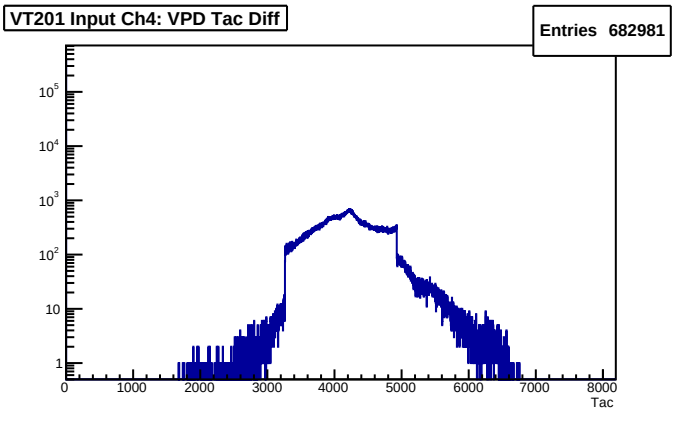

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

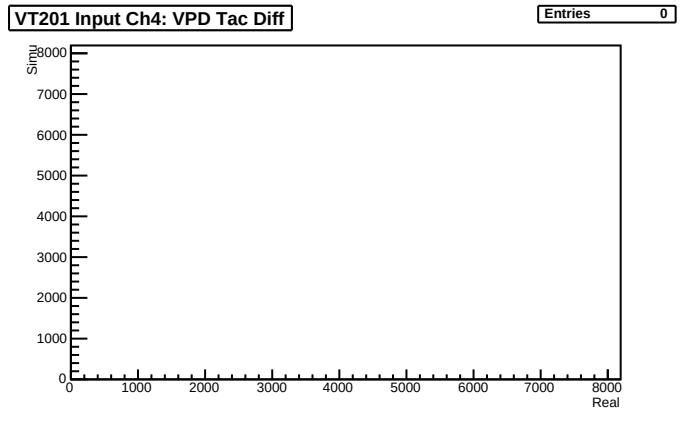

VT201 Input Ch2: ZDC Tac Diff
Entries 682981
Tac

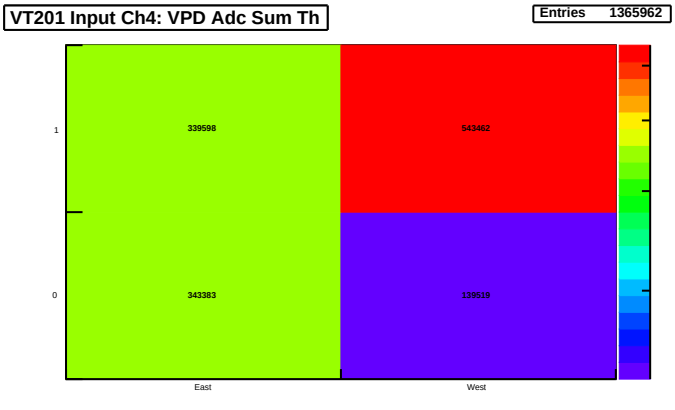

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

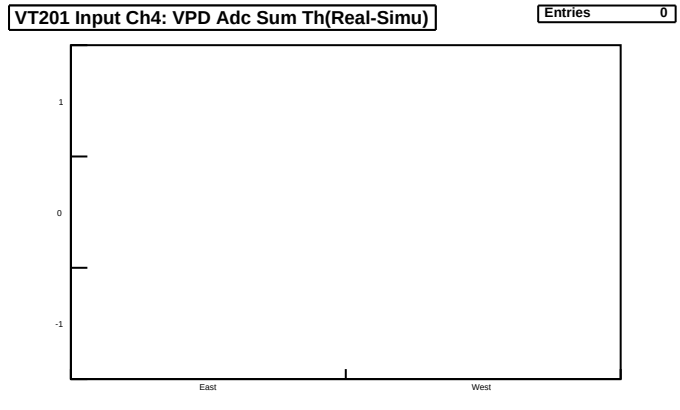

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5463848
14698
3890
22
18
13437
5626
75
69
668283
670091
682959
682963
669544
677355
682906
682912
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

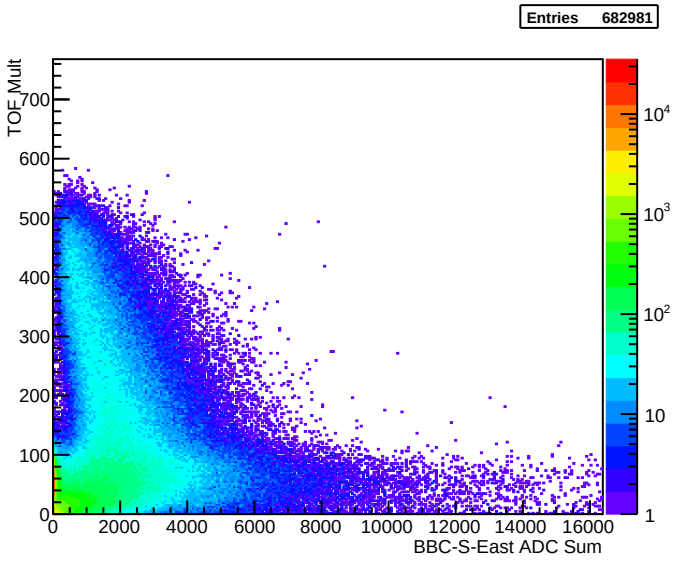

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

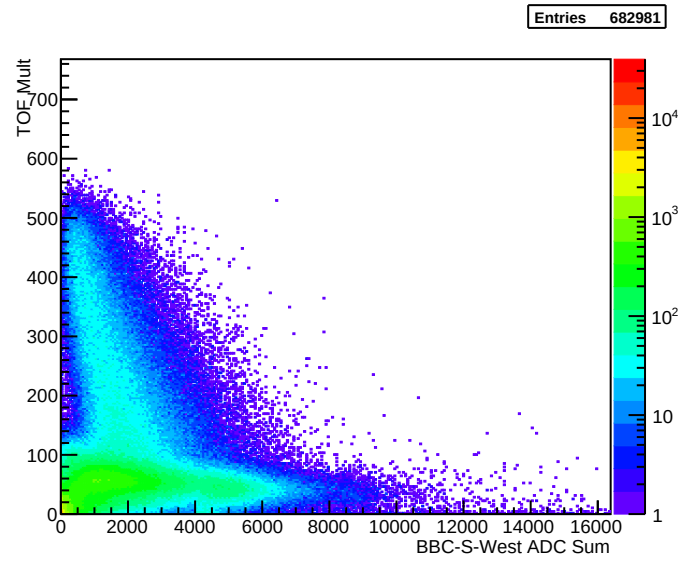

VT201 Input Ch4: VPD Tac Diff
Entries 682981
Tac

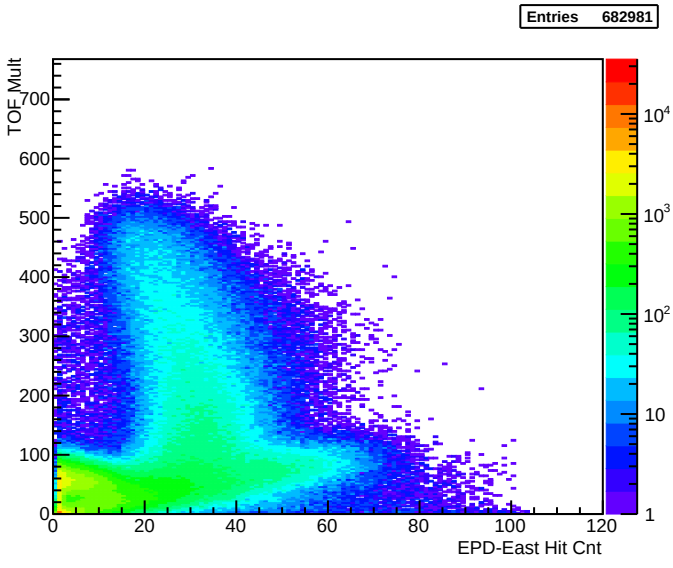

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

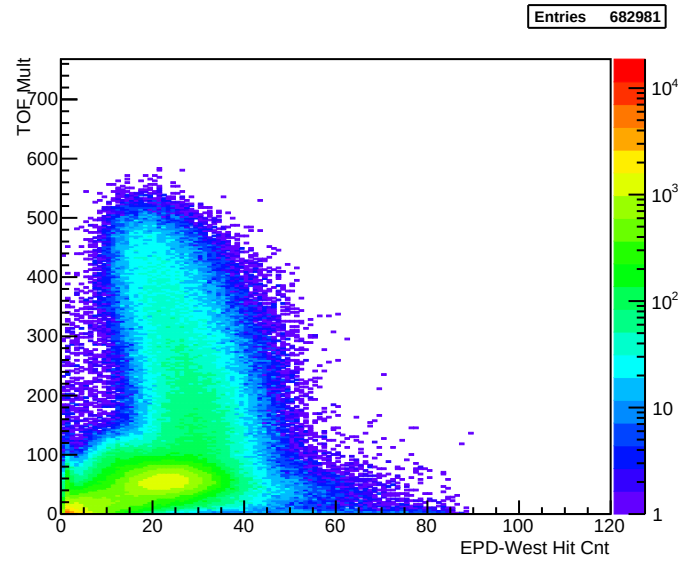

VT201 Input Ch4: VPD Adc Sum Th
Entries 1365962
339598
543462
343383
139519
East
West

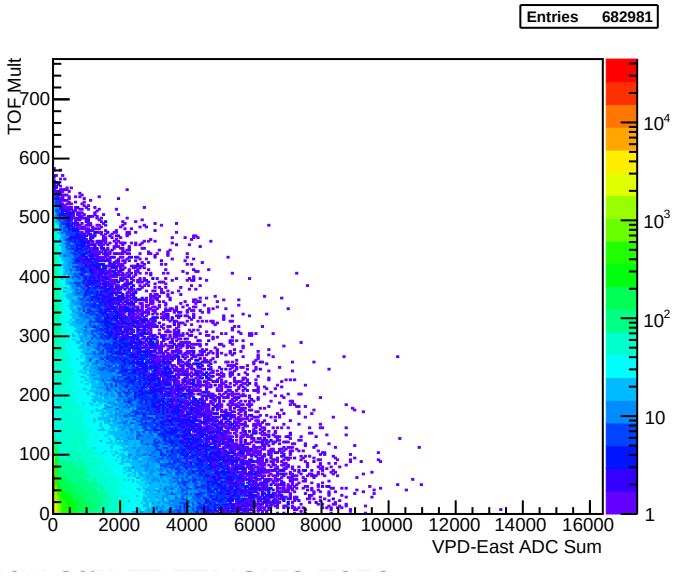

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

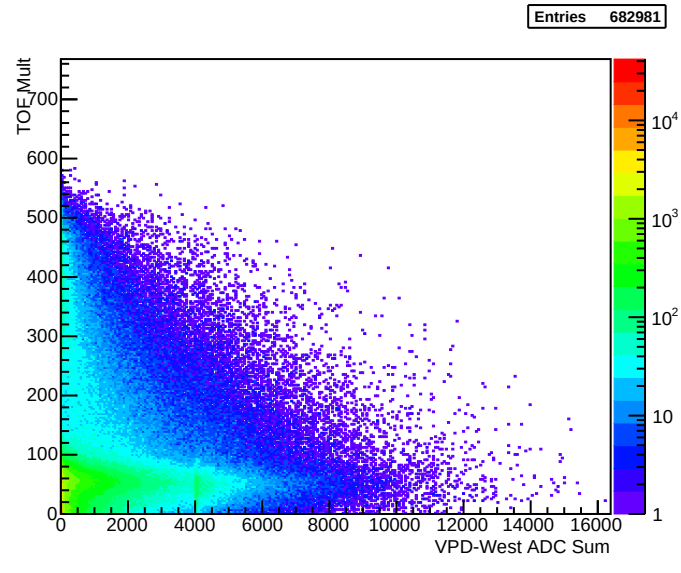

Entries 682981
TOF_Mult
BBC-S-East ADC Sum

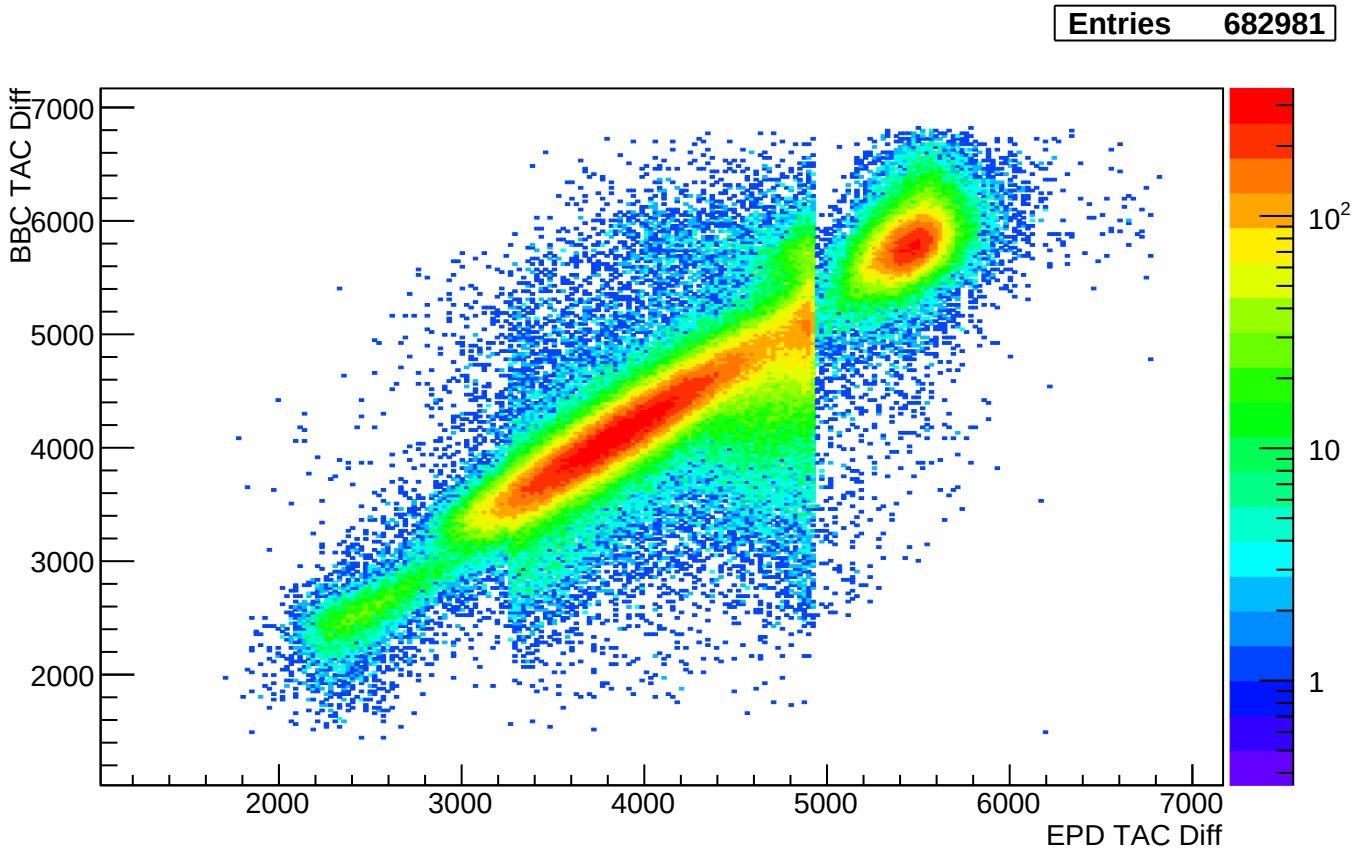

Entries 682981
TOF_Mult
BBC-S-West ADC Sum

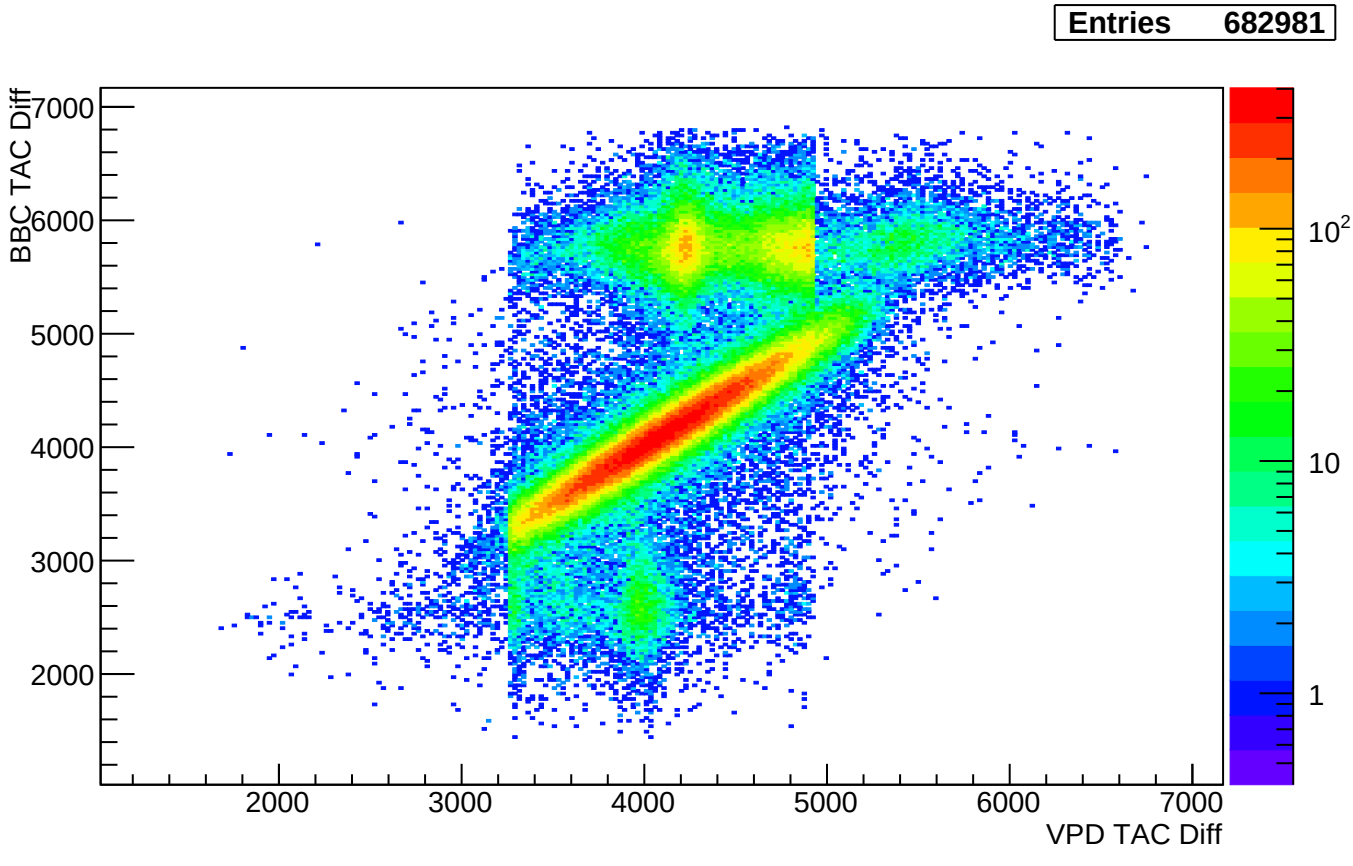

Entries 682981
TOF_Mult
EPD-East Hit Cnt

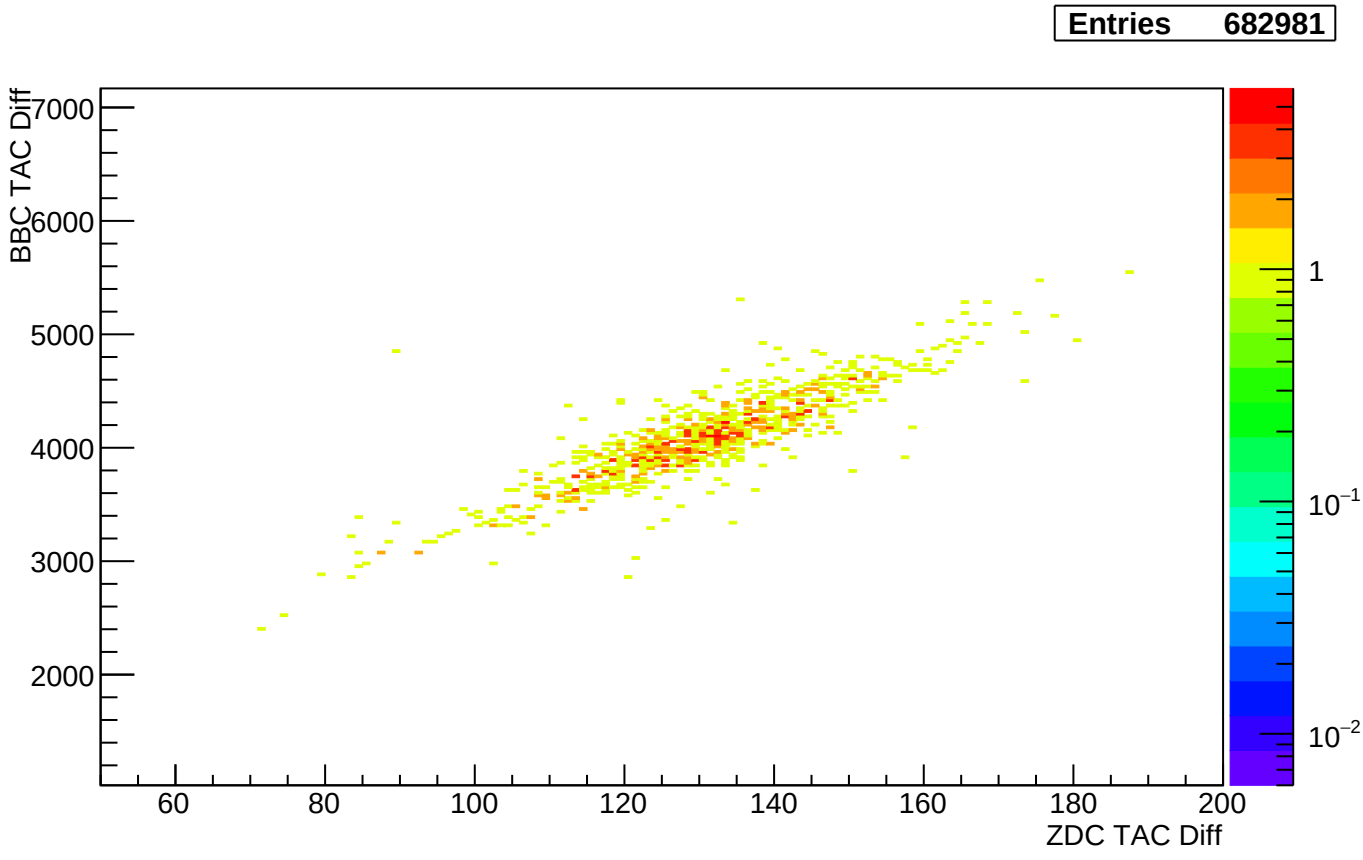

Entries 682981
TOF_Mult
EPD-West Hit Cnt

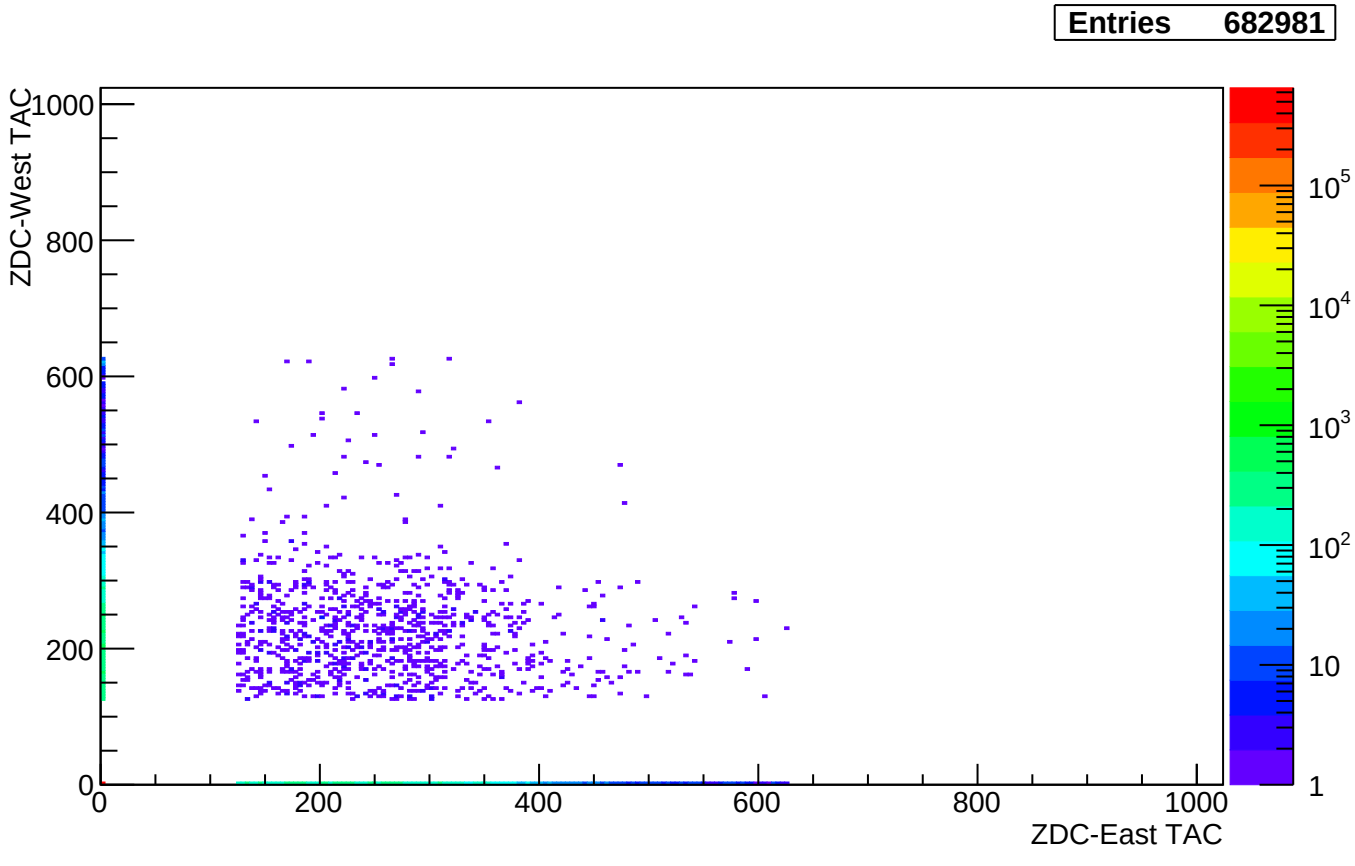

Entries 682981
TOF_Mult
VPD-East ADC Sum

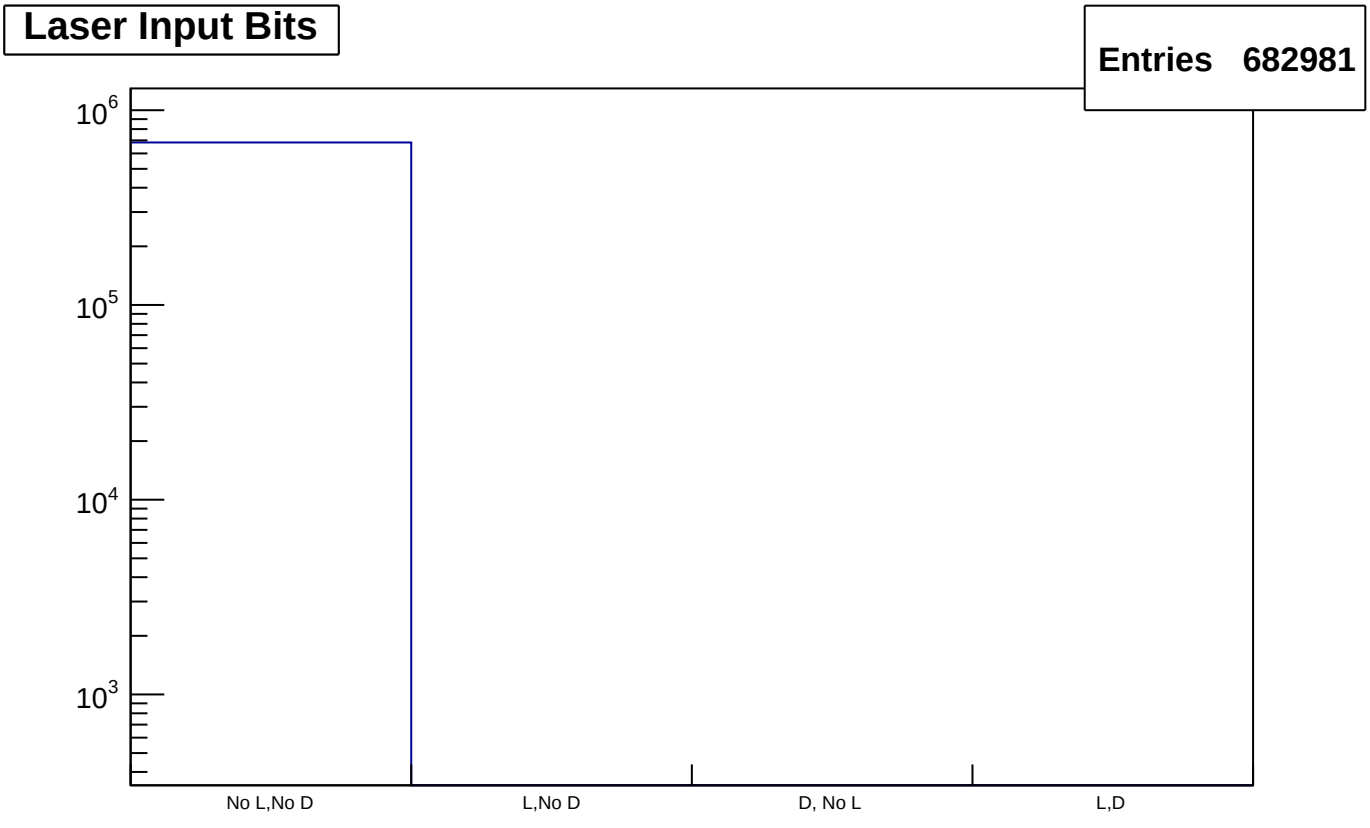

Entries 682981
TOF_Mult
VPD-West ADC Sum

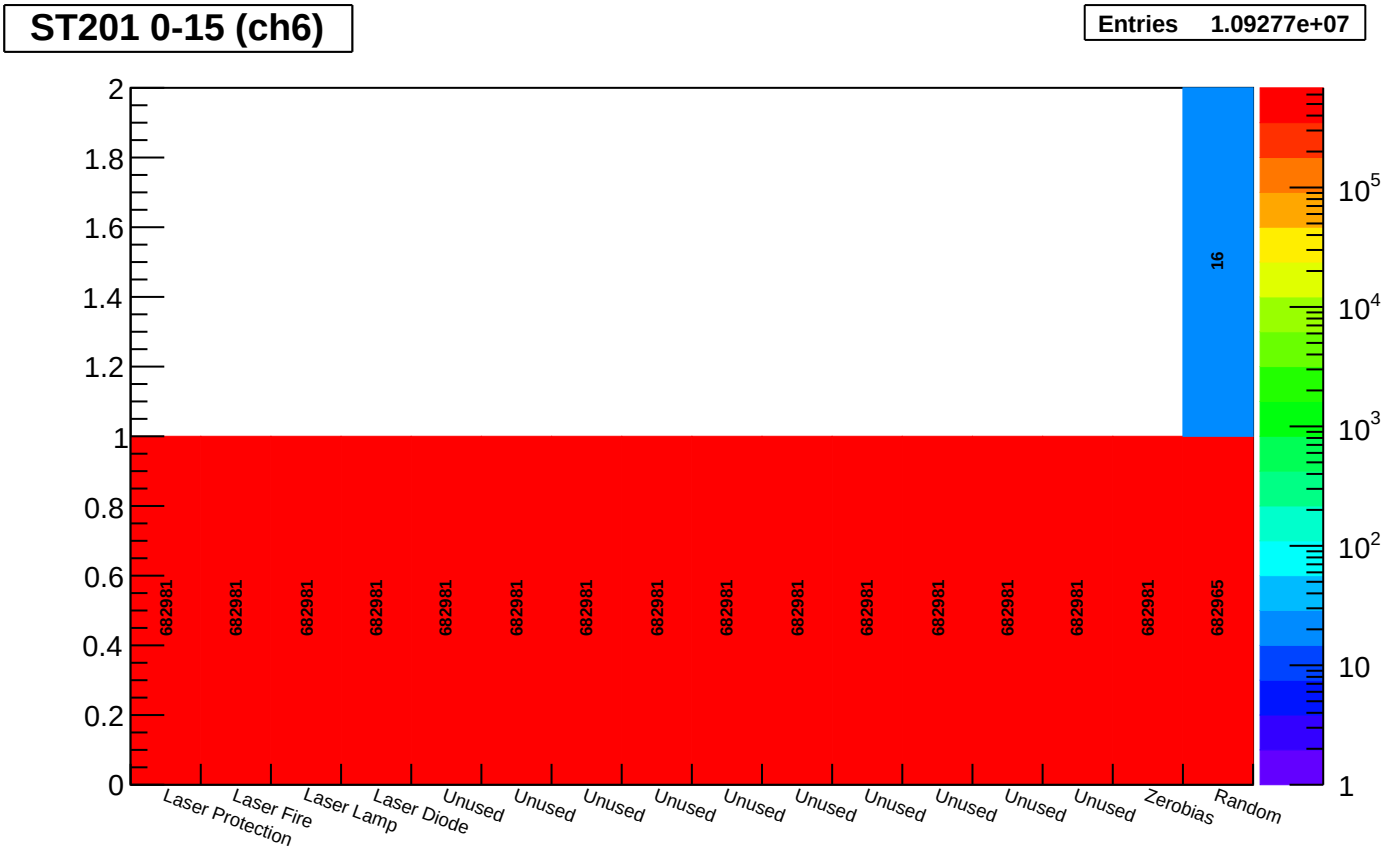

Entries 682981
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

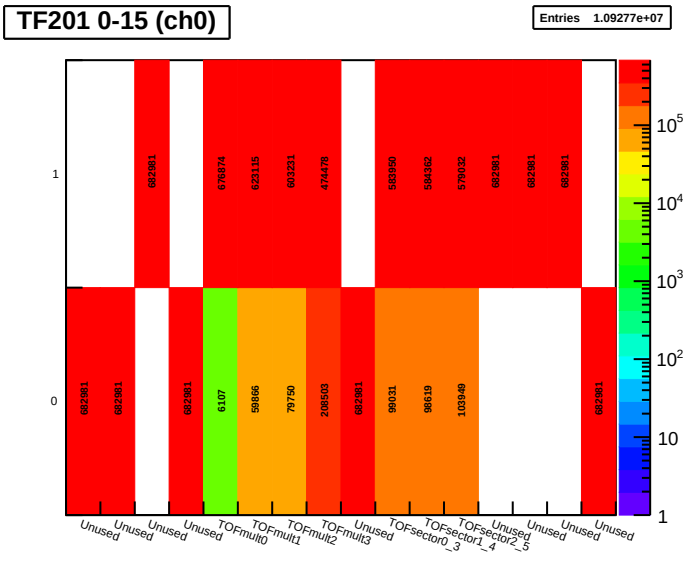

Entries 682981
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

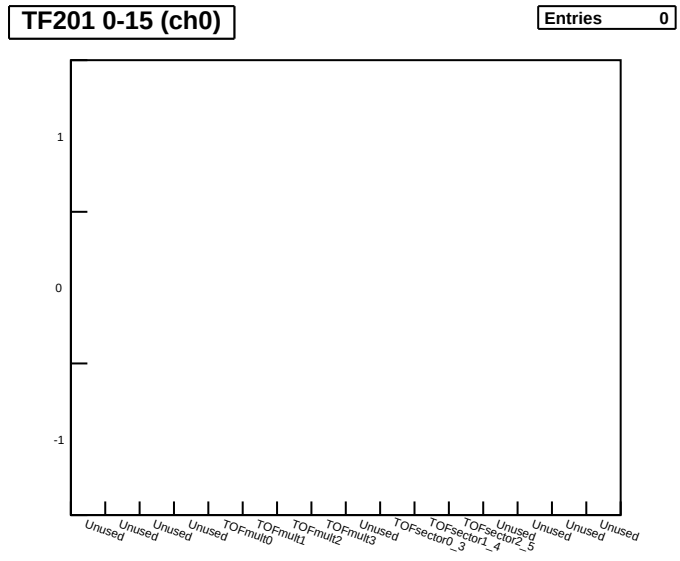

Entries 682981
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

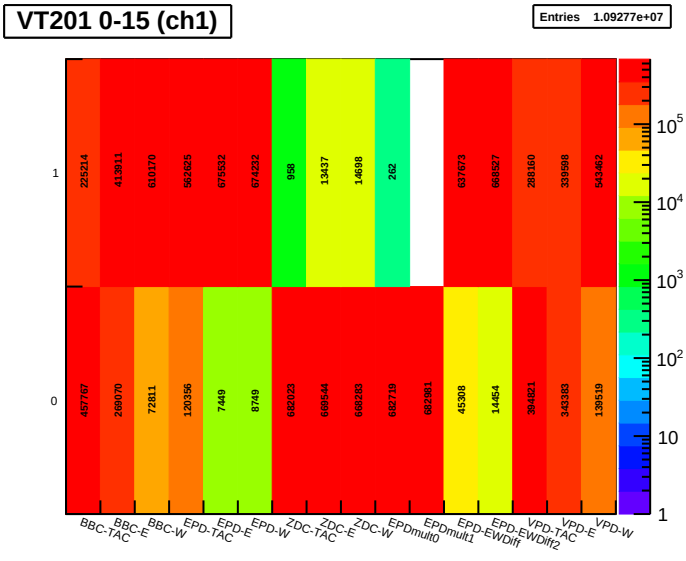

Entries 682981
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

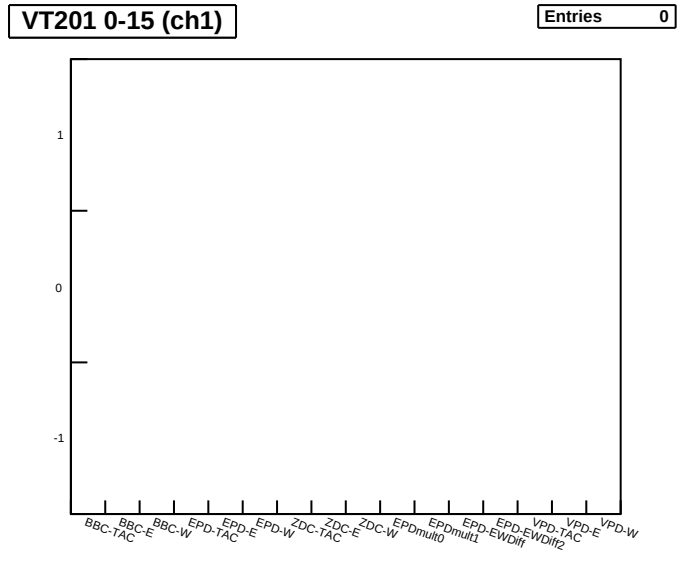

Laser Input Bits
Entries 682981
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

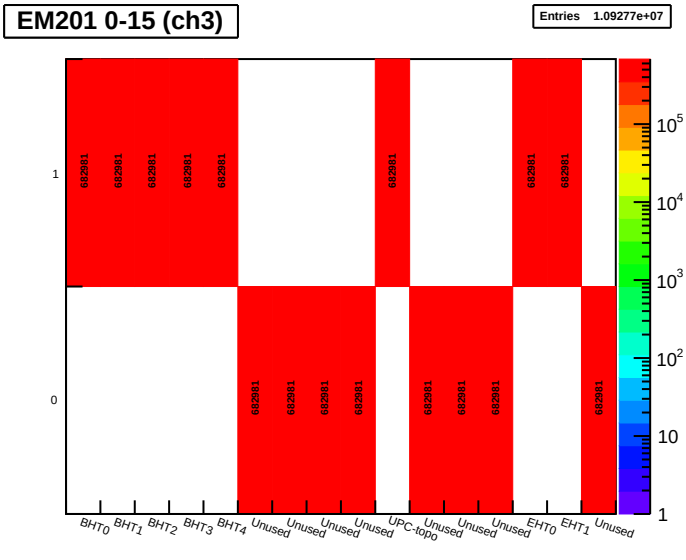

ST201 0-15 (ch6)
Entries 1.09277e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
682965
16
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 1.09277e+07
1
0
682981
676874
623115
603231
474478
583950
594362
579032
682981
682981
682981
682981
682981
682981
6107
59866
79750
208503
682981
99031
98619
103949
682981
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 1.09277e+07
1
0
225214
413911
610170
562625
675532
674232
956
13437
14698
262
637673
668527
288160
339598
543462
457767
269070
72811
120356
7449
8749
682023
669544
668283
682719
682981
45308
14454
394821
343383
139519
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 1.09277e+07
1
0
682981
682981
682981
682981
682981
682981
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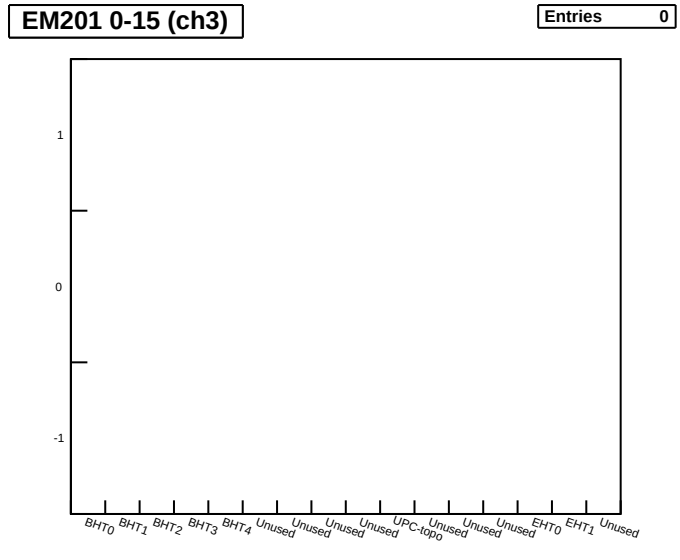
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
682981
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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