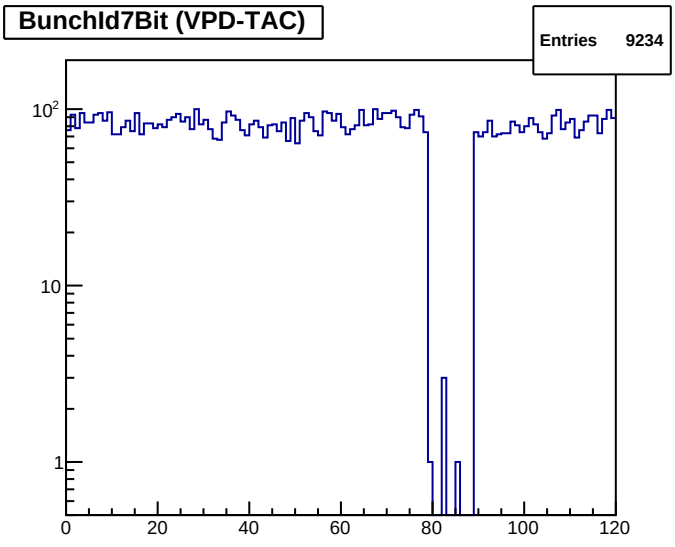
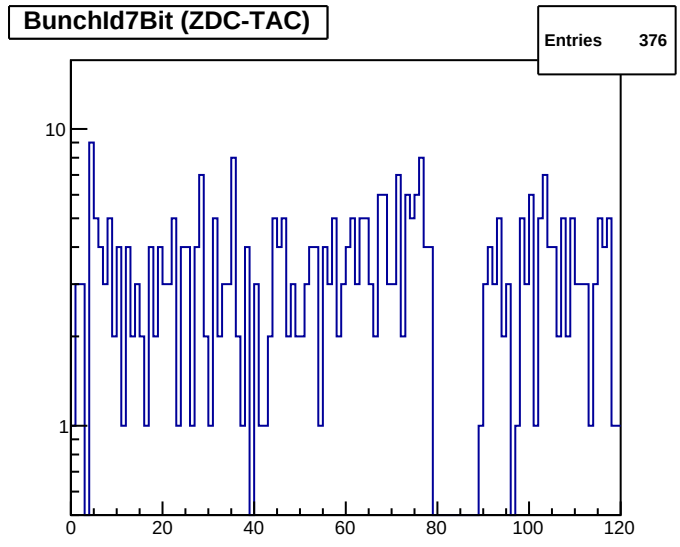
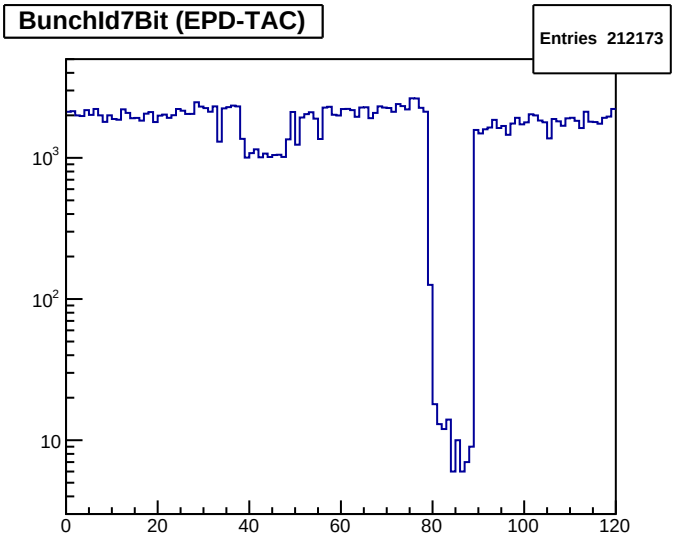
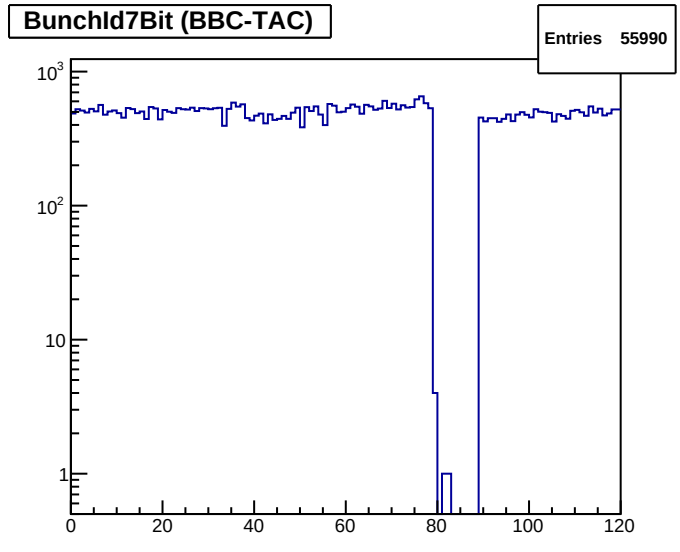
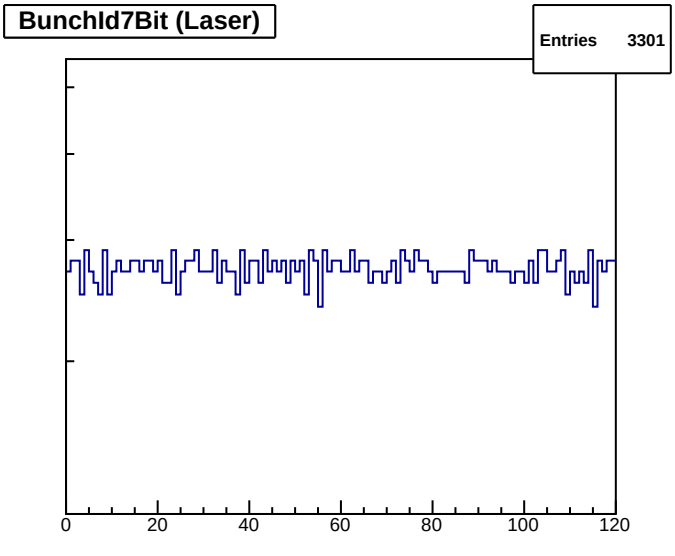
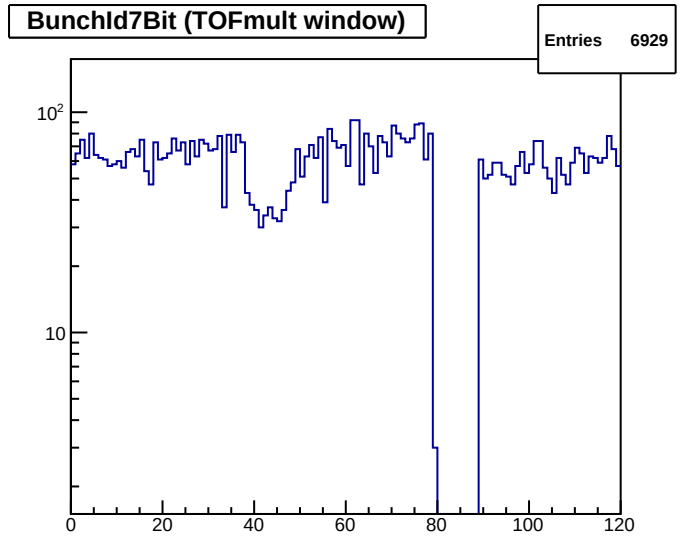

BunchId7Bit (VPD-TAC)
Entries 9234
10^2
10
1
0
20
40
60
80
100
120

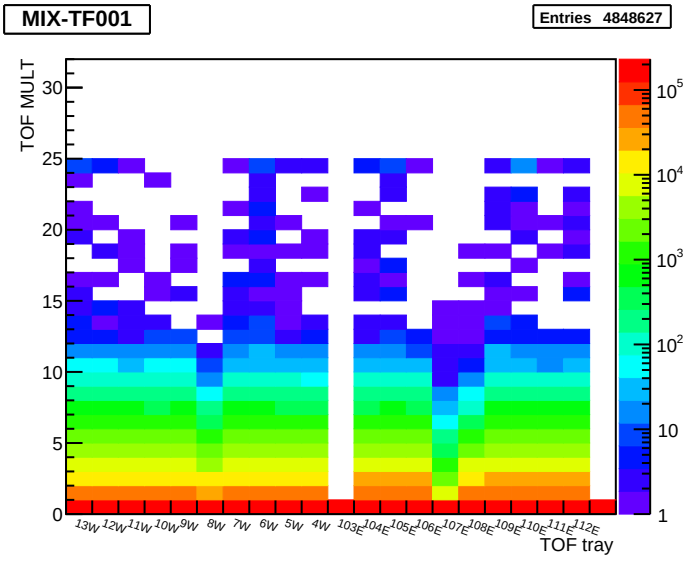

BunchId7Bit (ZDC-TAC)
Entries 376
10
1
0
20
40
60
80
100
120

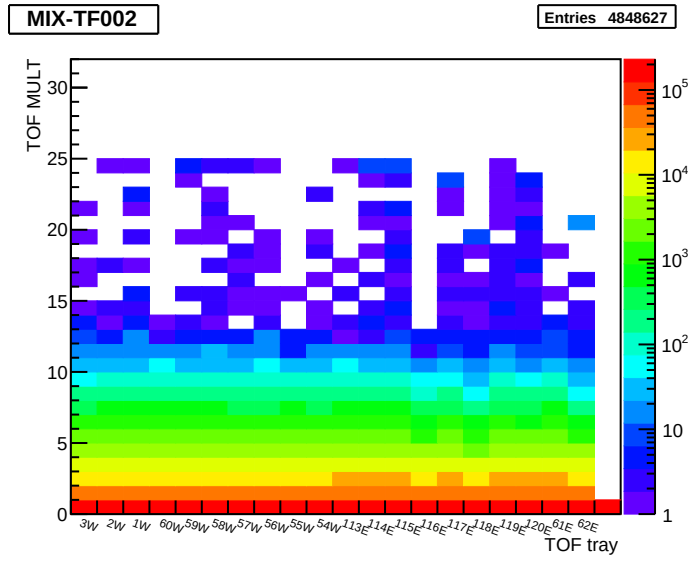

BunchId7Bit (EPD-TAC)
Entries 212173
10^3
10^2
10
0
20
40
60
80
100
120

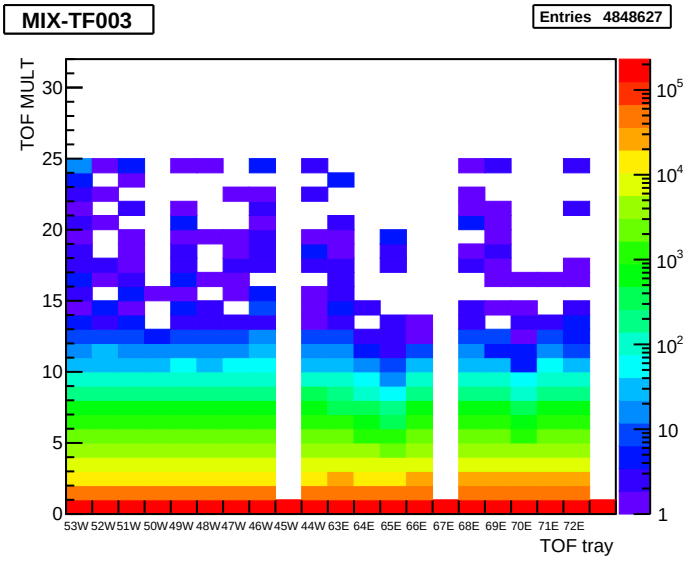

BunchId7Bit (BBC-TAC)
Entries 55990
10^3
10^2
10
1
0
20
40
60
80
100
120

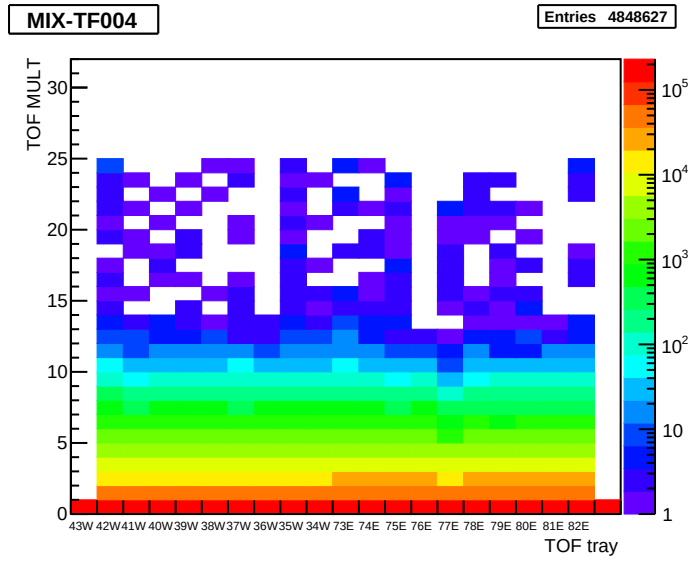

BunchId7Bit (Laser)
Entries 3301
0
20
40
60
80
100
120

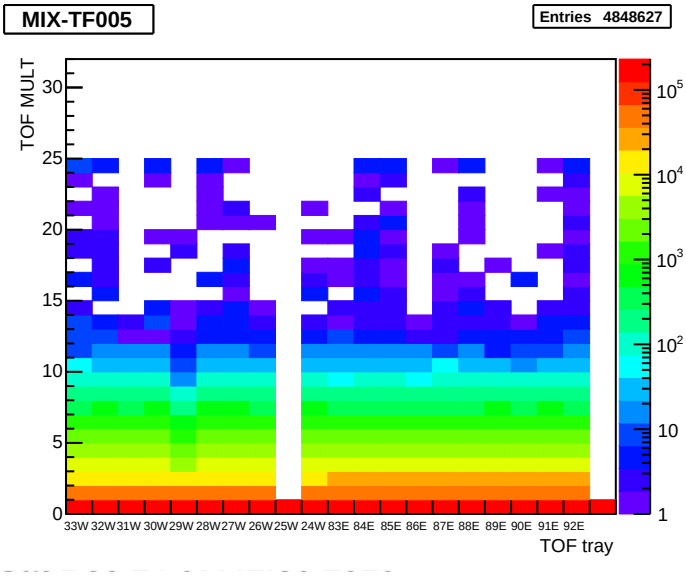

BunchId7Bit (TOFmult window)
Entries 6929
10^2
10
0
20
40
60
80
100
120

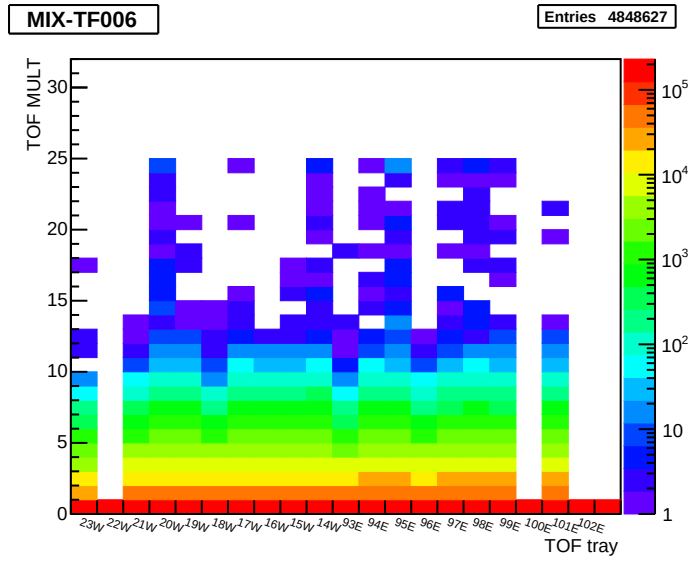

MIX-TF001
Entries 4848627
TOF MULT
TOF tray

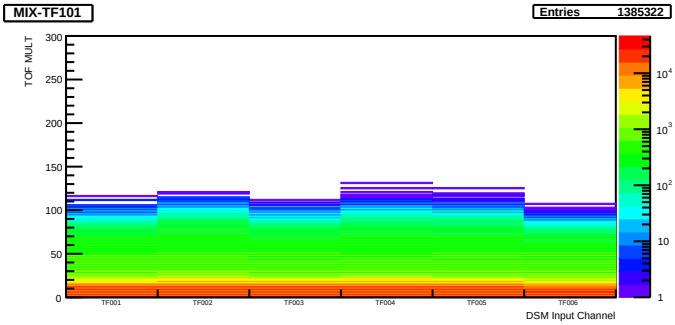

MIX-TF002
Entries 4848627
TOF MULT
TOF tray

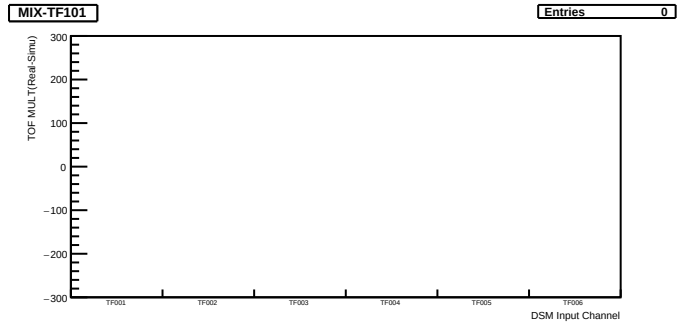

MIX-TF003
Entries 4848627
TOF MULT
TOF tray

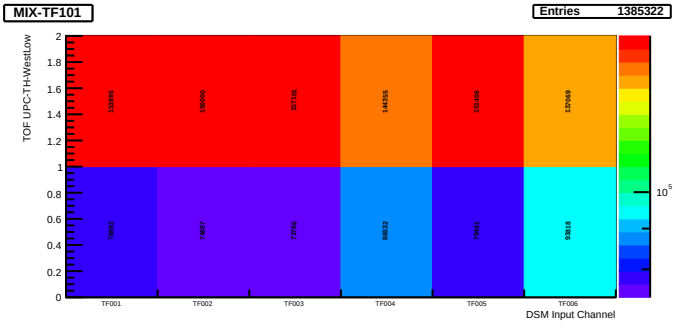

MIX-TF004
Entries 4848627
TOF MULT
TOF tray

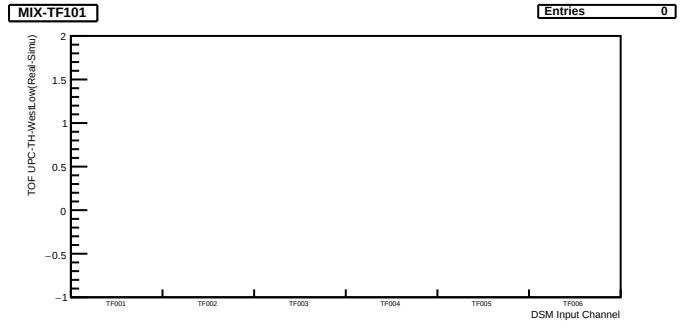

MIX-TF005
Entries 4848627
TOF MULT
TOF tray

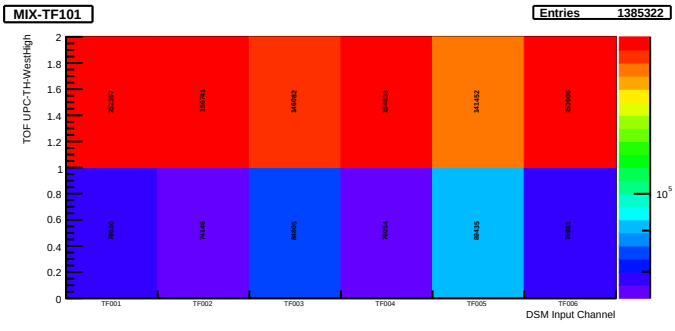

MIX-TF006
Entries 4848627
TOF MULT
TOF tray

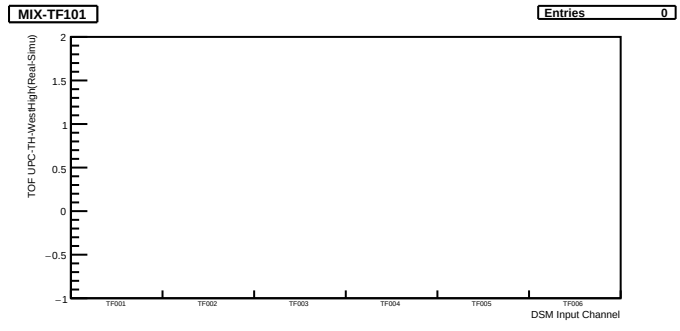

MIX-TF101
Entries 1385322
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

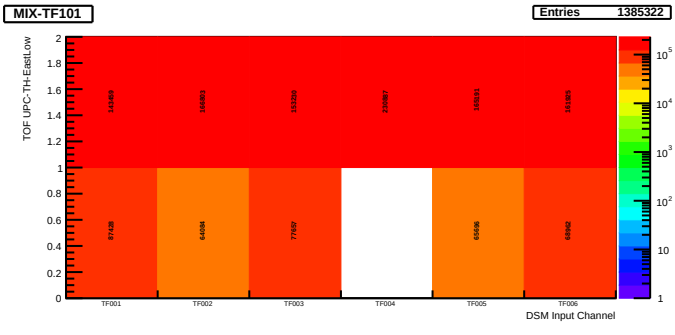

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

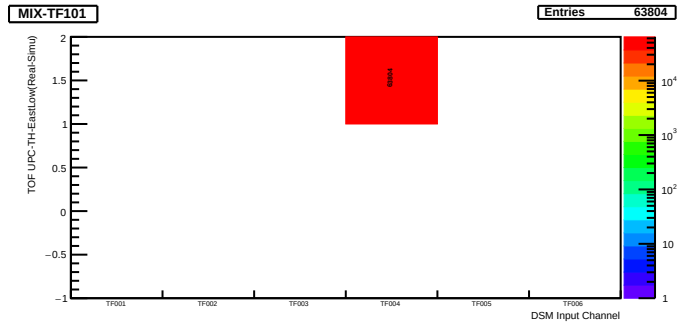

MIX-TF101
Entries 1385322
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

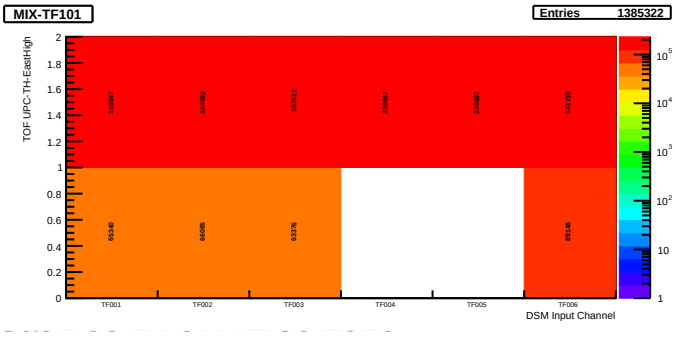

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

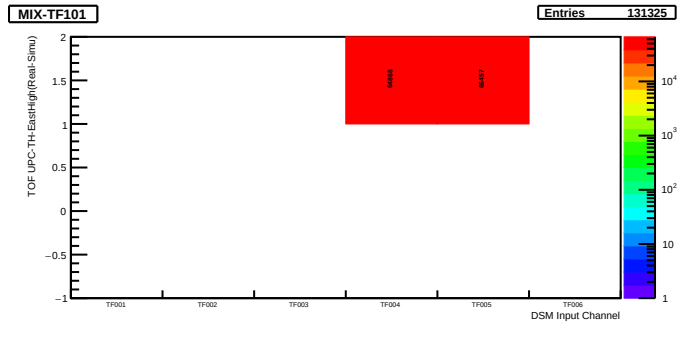

MIX-TF101
Entries 1385322
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

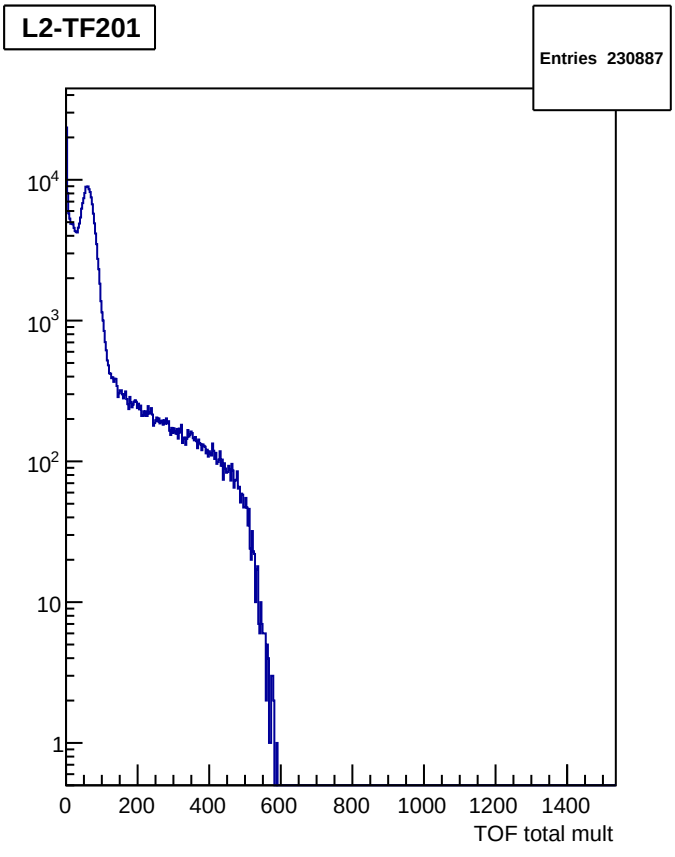

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

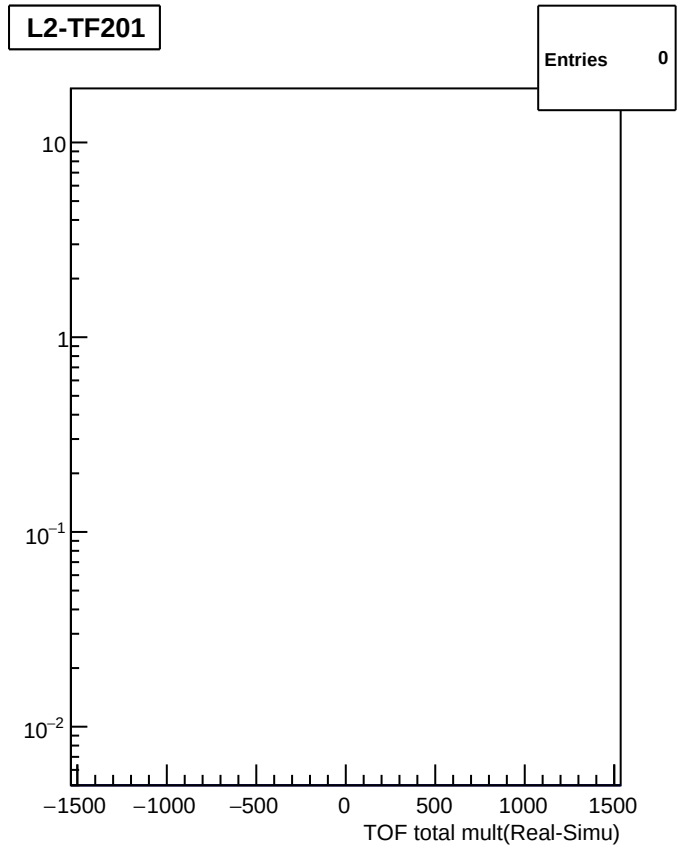

MIX-TF101
Entries 1385322
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

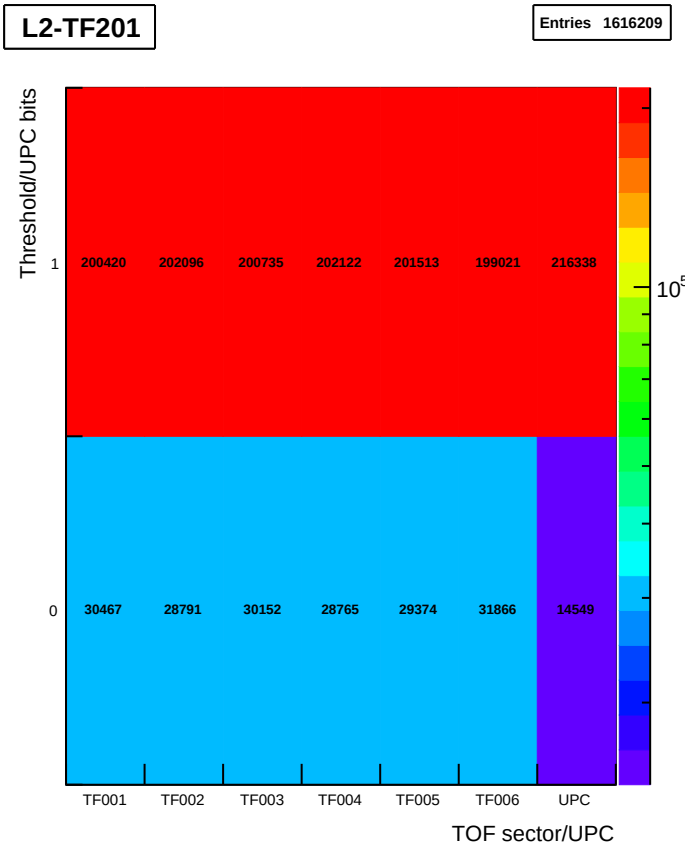

MIX-TF101
Entries 63804
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

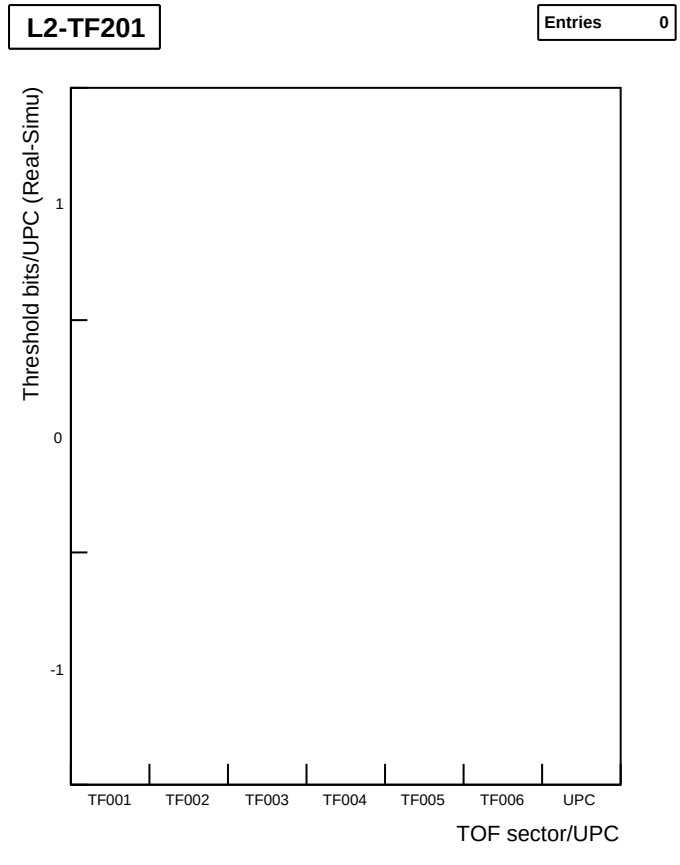

MIX-TF101
Entries 1385322
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

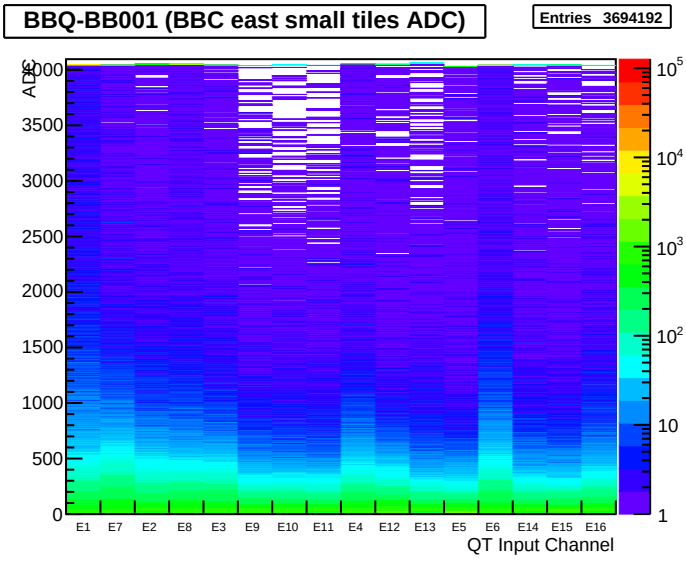

MIX-TF101
Entries 131325
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

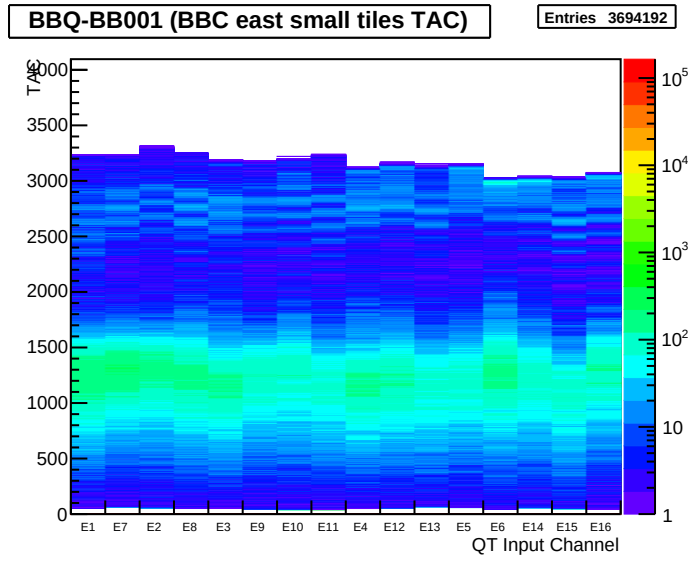

L2-TF201
Entries 230887
TOF total mult

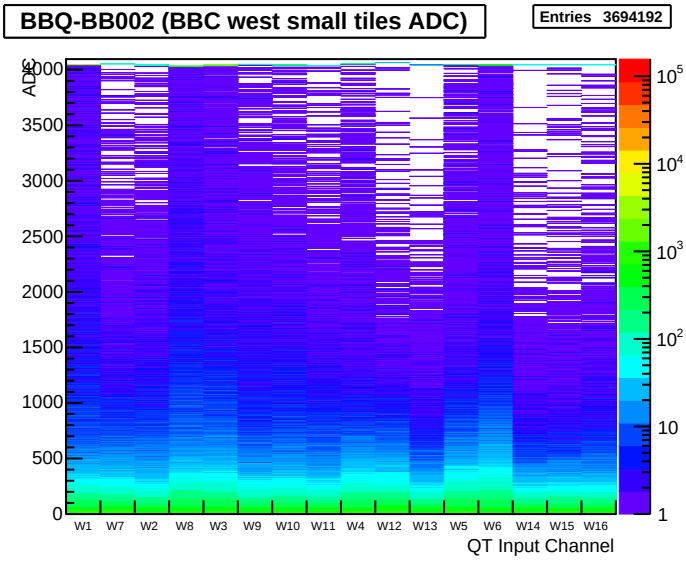

L2-TF201
Entries 0
TOF total mult(Real-Simu)

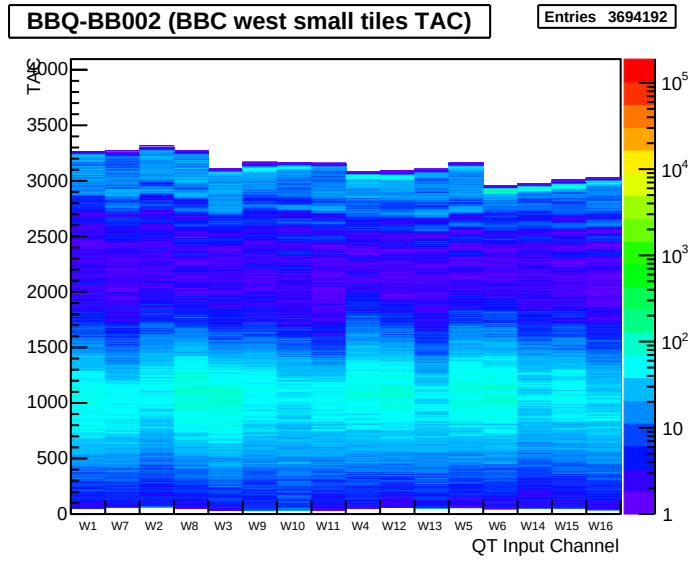

L2-TF201
Entries 1616209
Threshold/UPC bits
200420 202096 200735 202122 201513 199021 216338
30467 28791 30152 28765 29374 31866 14549
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

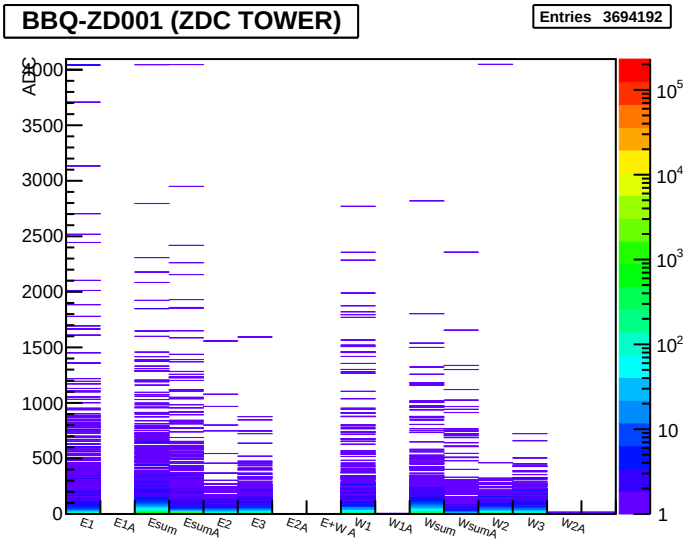

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

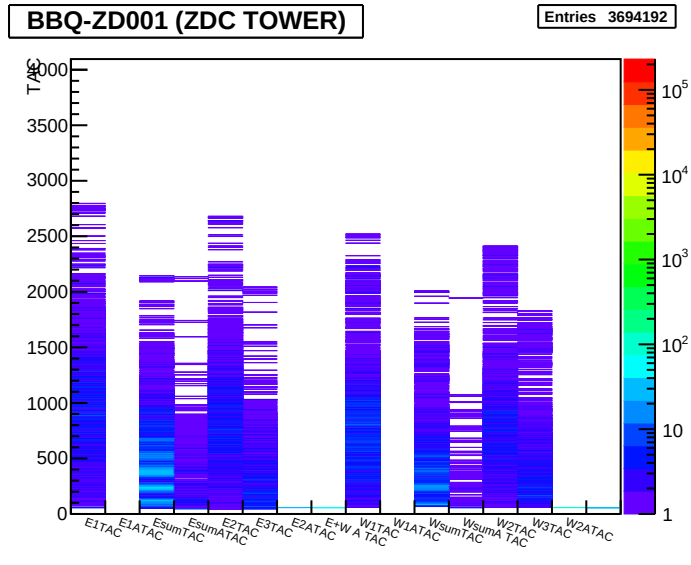

BBQ-BB001 (BBC east small tiles ADC)
Entries 3694192
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

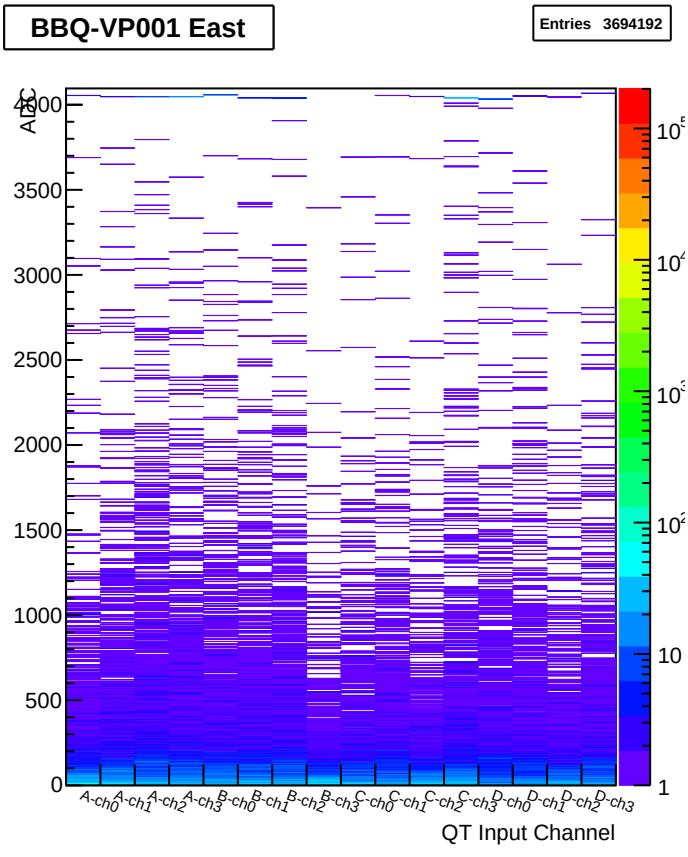

BBQ-BB001 (BBC east small tiles TAC)
Entries 3694192
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

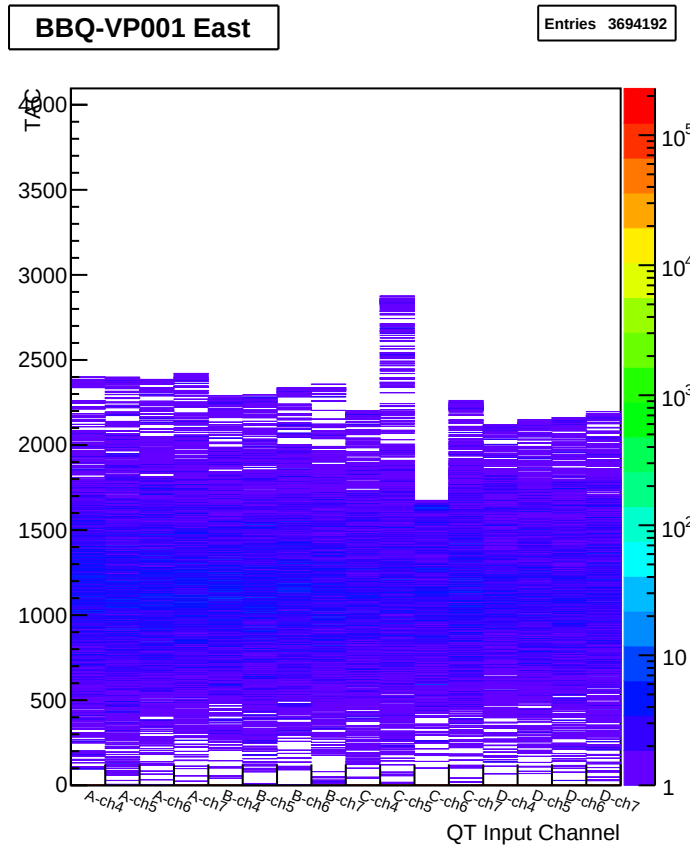

BBQ-BB002 (BBC west small tiles ADC)
Entries 3694192
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

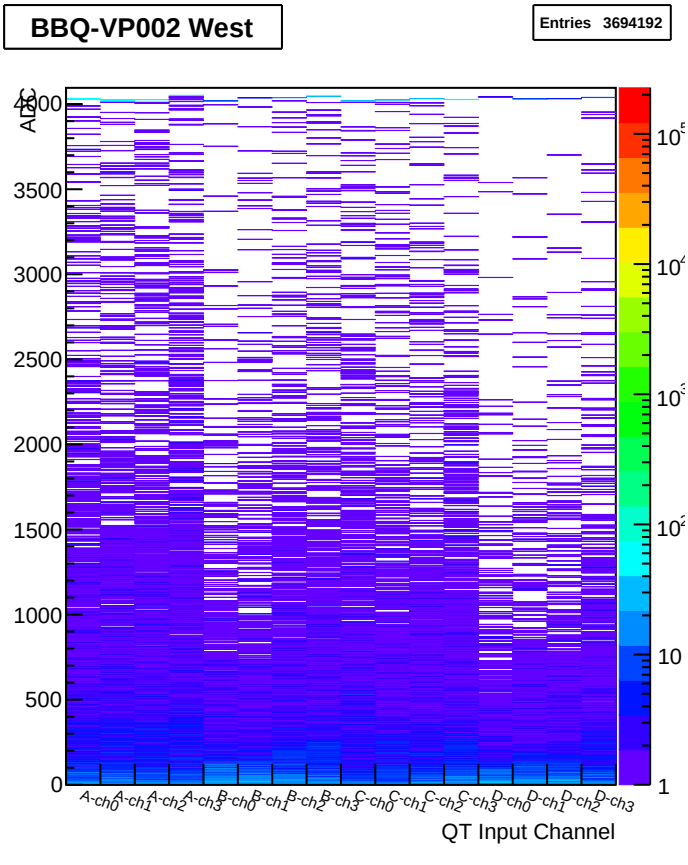

BBQ-BB002 (BBC west small tiles TAC)
Entries 3694192
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

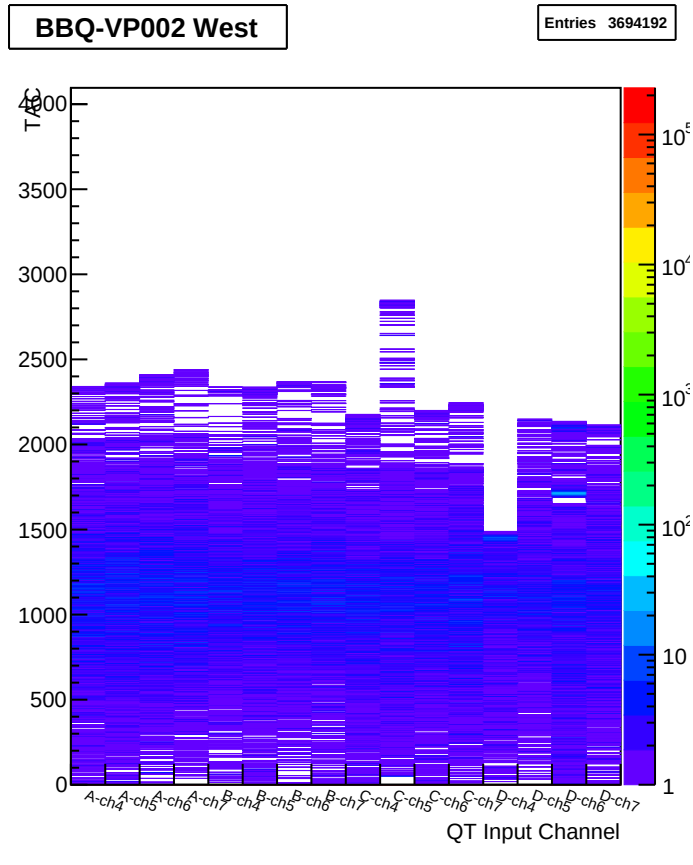

BBQ-ZD001 (ZDC TOWER)
Entries 3694192
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

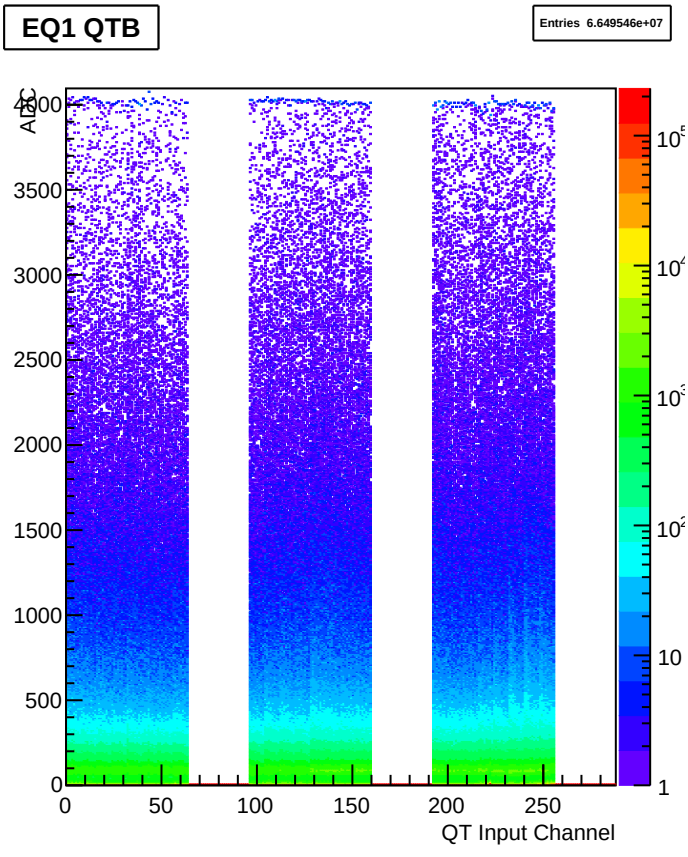

BBQ-ZD001 (ZDC TOWER)
Entries 3694192
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

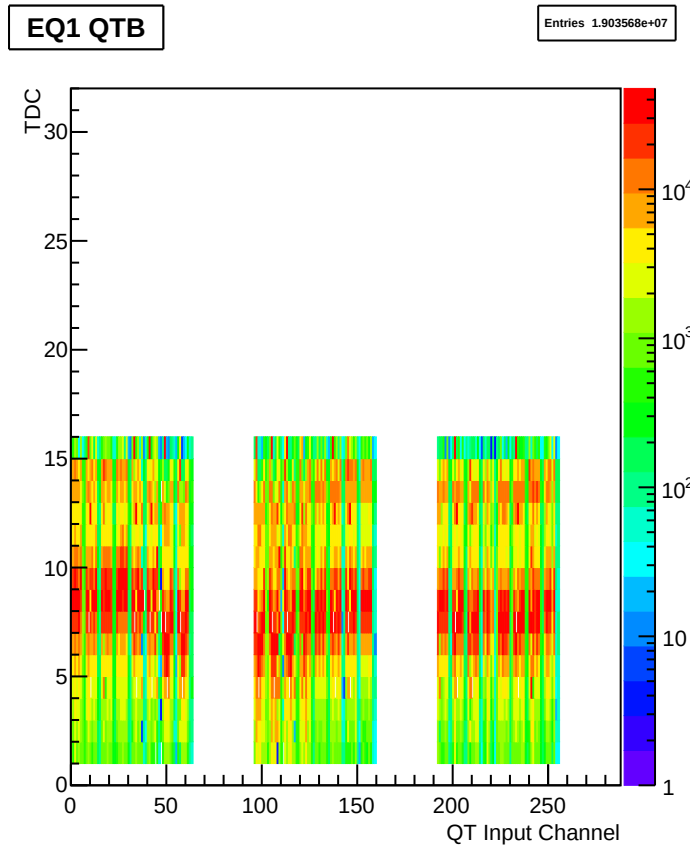

BBQ-VP001 East
Entries 3694192
ADC
QT Input Channel

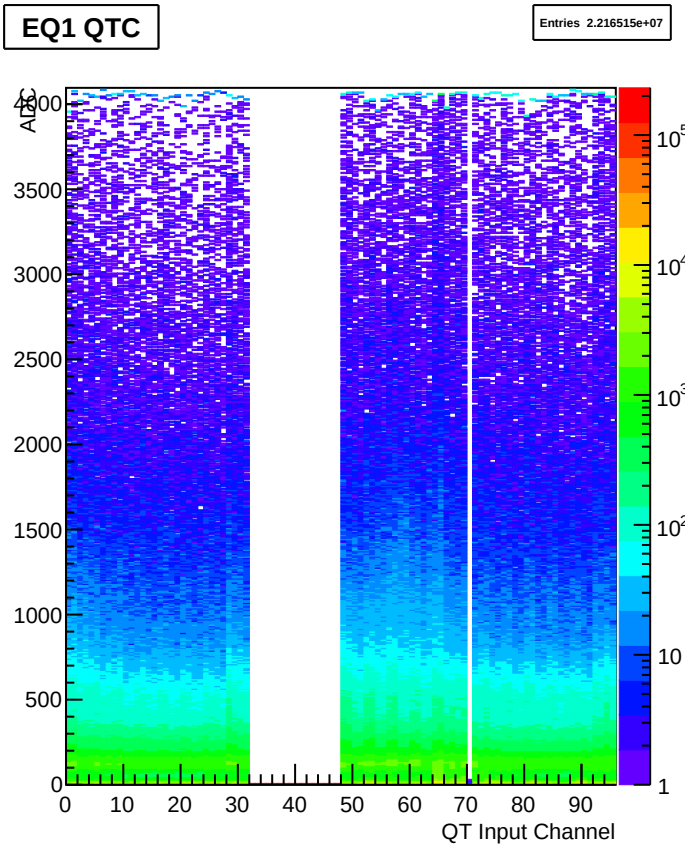

BBQ-VP001 East
Entries 3694192
TADC
QT Input Channel

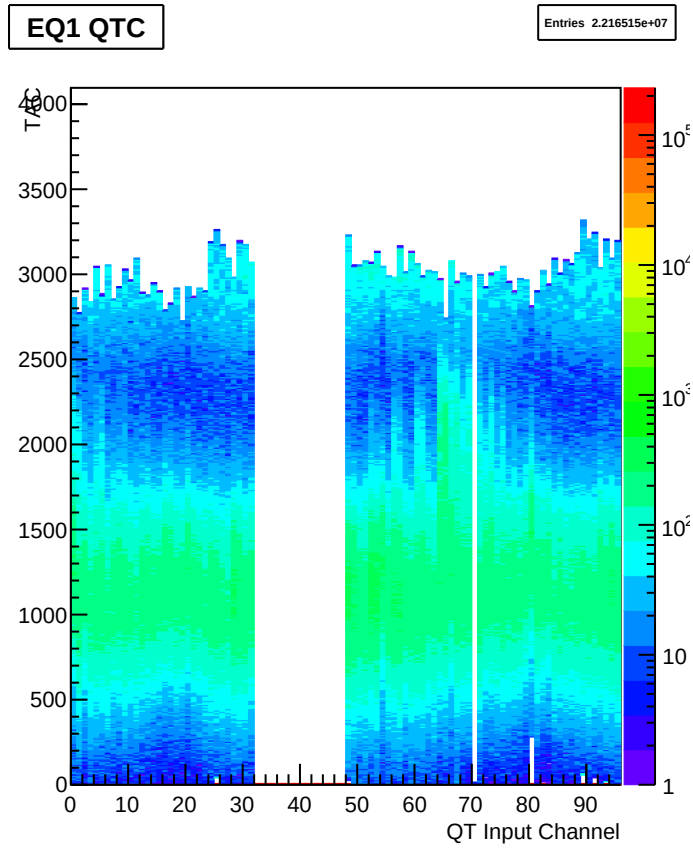

BBQ-VP002 West
Entries 3694192
ADC
QT Input Channel

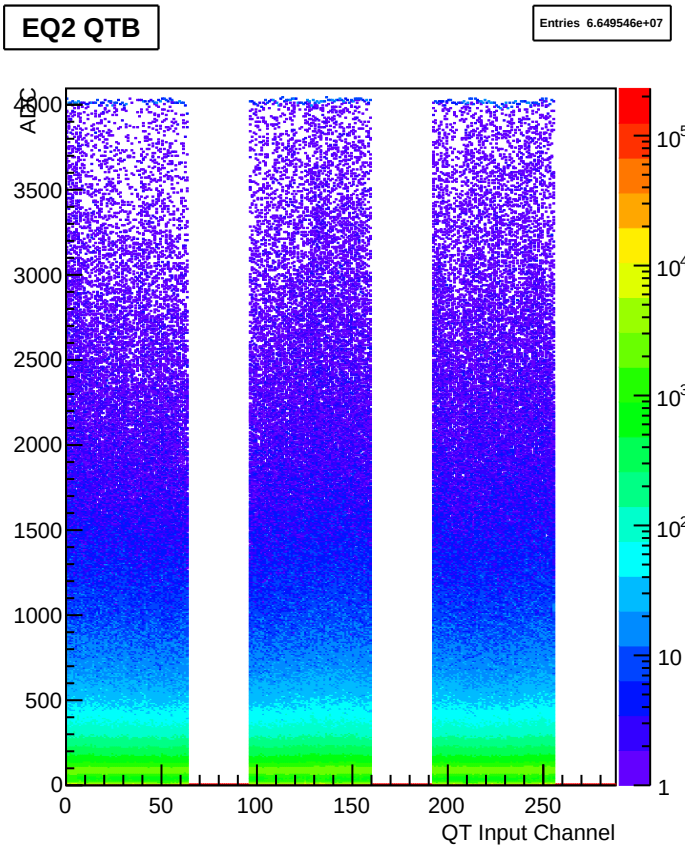

BBQ-VP002 West
Entries 3694192
TADC
QT Input Channel

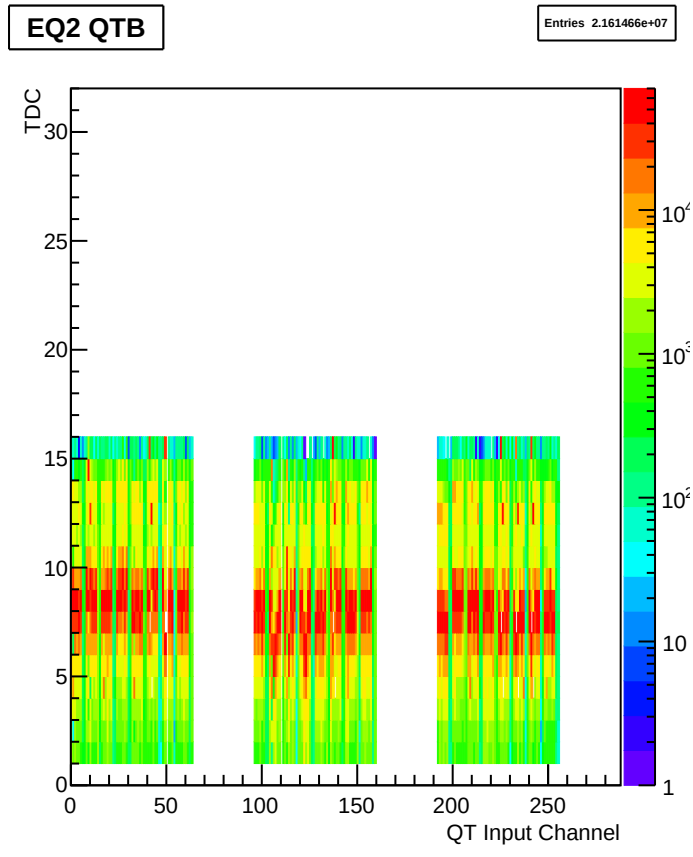

EQ1 QTB
Entries 6.649546e+07
ADC
QT Input Channel

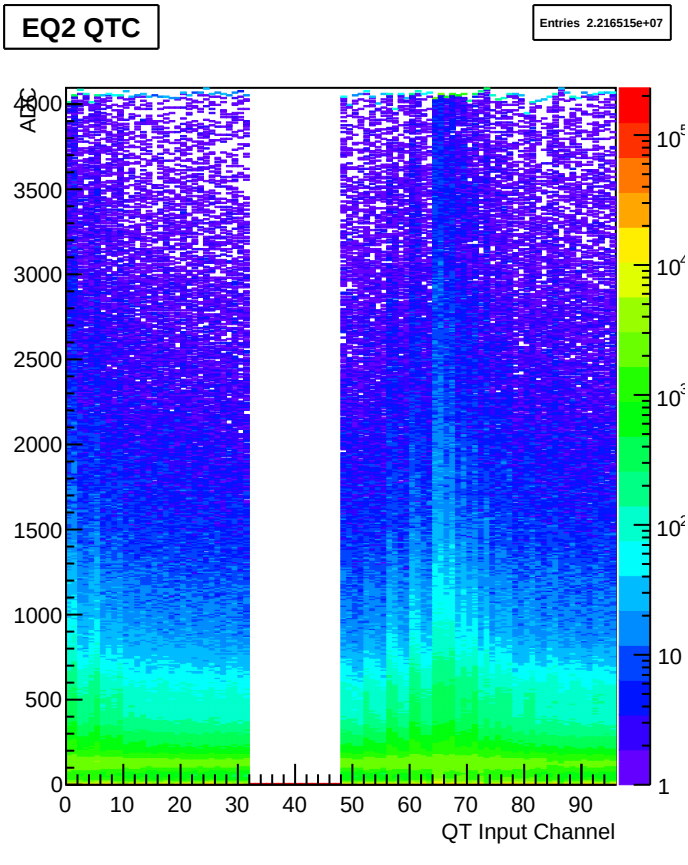

EQ1 QTB
Entries 1.903568e+07
TDC
QT Input Channel

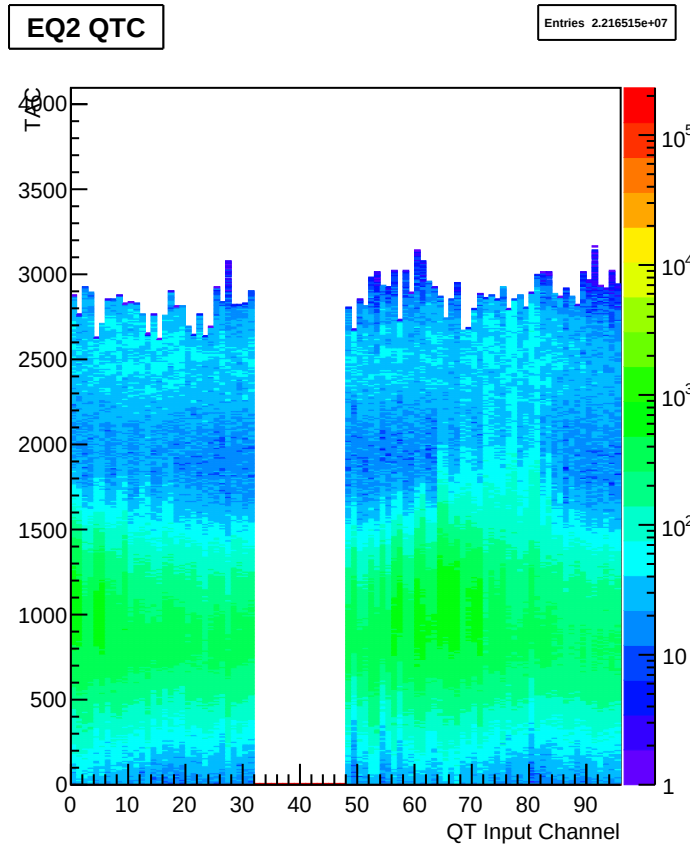

EQ1 QTC
Entries 2.216515e+07
ADC
QT Input Channel

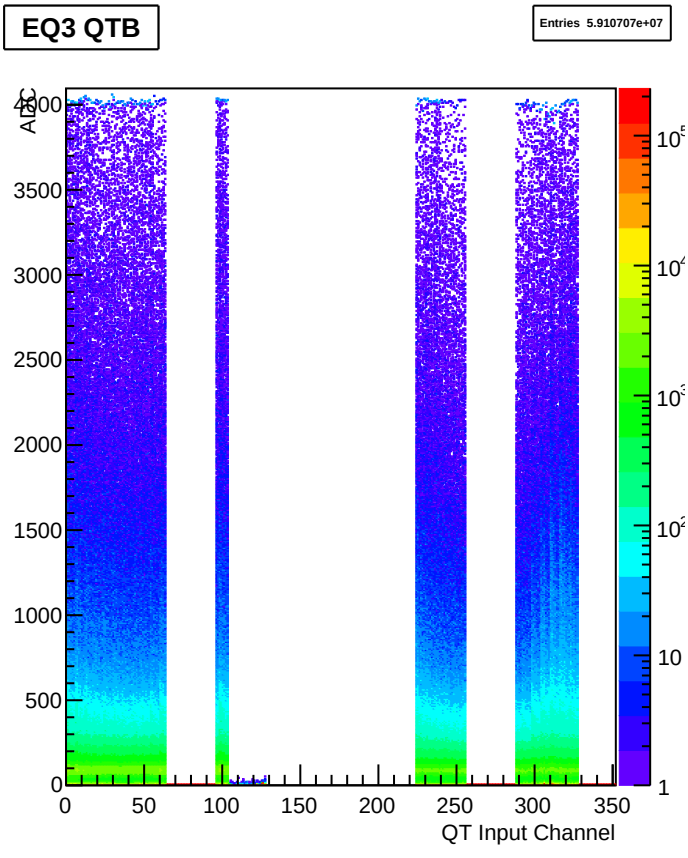

EQ1 QTC
Entries 2.216515e+07
TADC
QT Input Channel

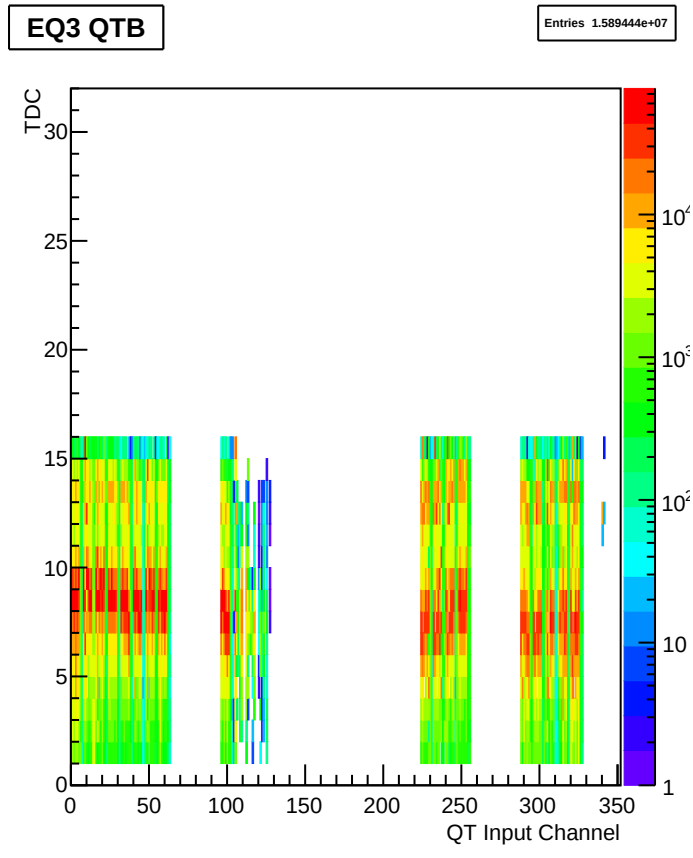

EQ2 QTB
Entries 6.649546e+07
ADC
QT Input Channel

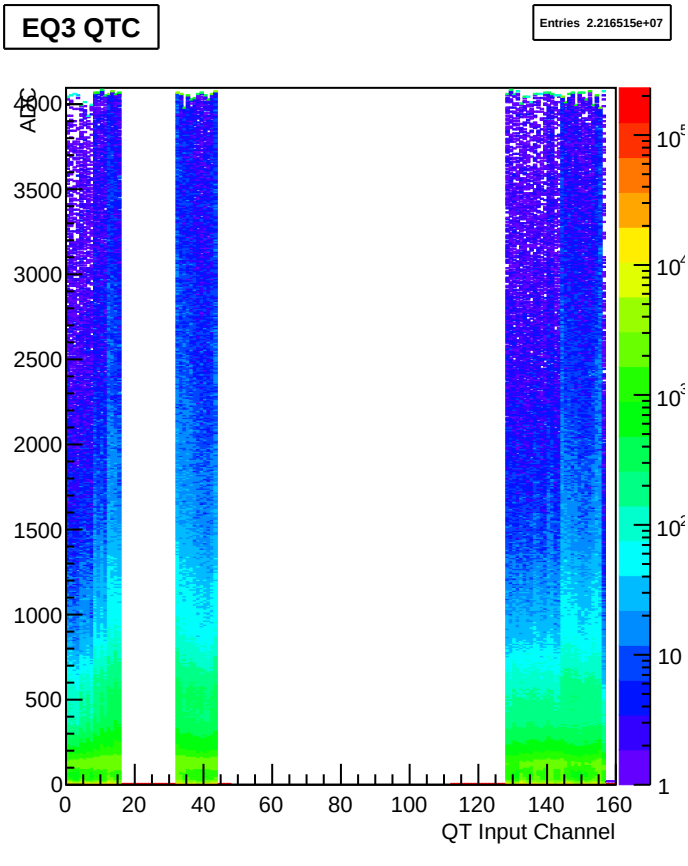

EQ2 QTB
Entries 2.161466e+07
TDC
QT Input Channel

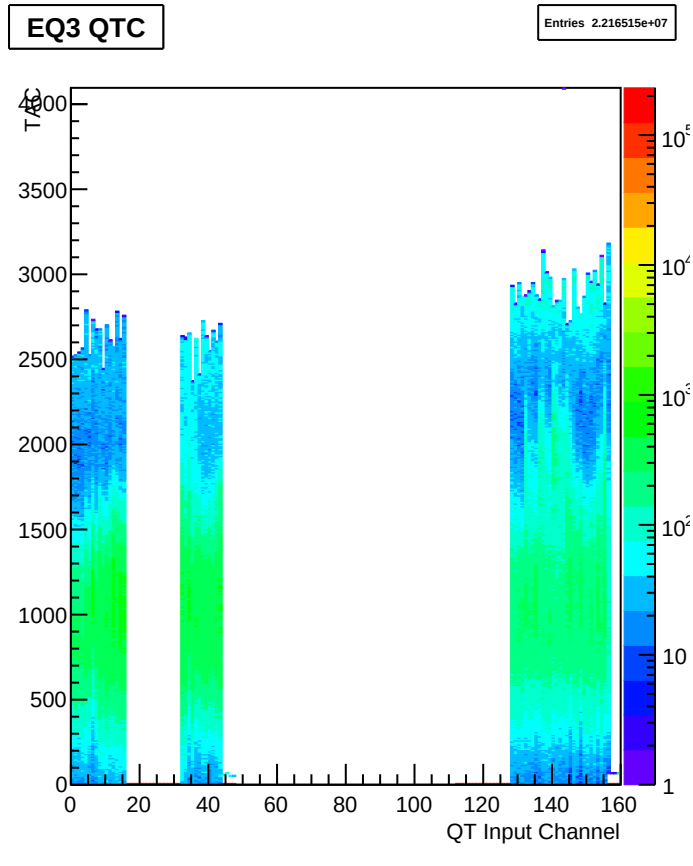

EQ2 QTC
Entries 2.216515e+07
ADC
QT Input Channel

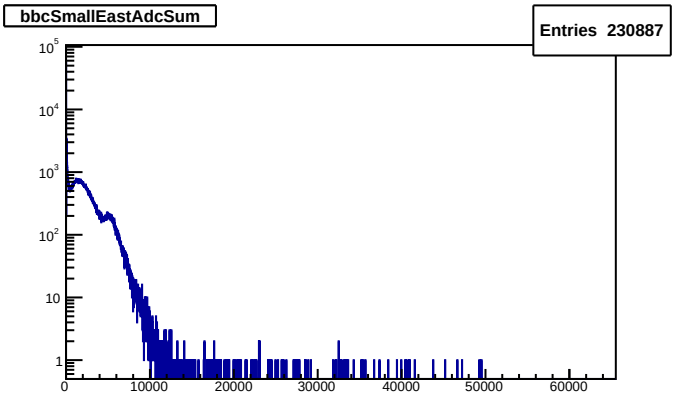

EQ2 QTC
Entries 2.216515e+07
TADC
QT Input Channel

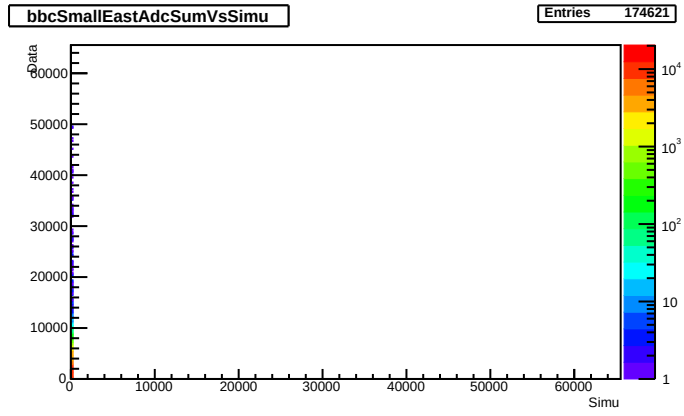

EQ3 QTB
Entries 5.910707e+07
ADC
QT Input Channel

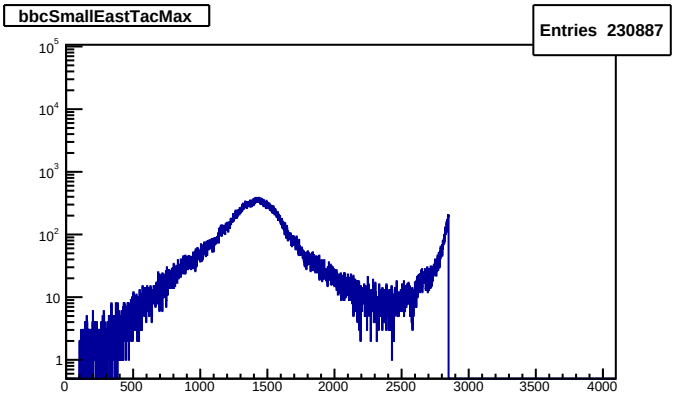

EQ3 QTB
Entries 1.589444e+07
TDC
QT Input Channel

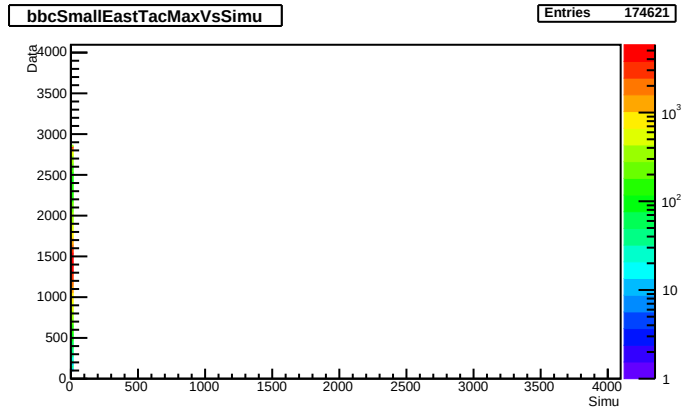

EQ3 QTC
Entries 2.216515e+07
ADC
QT Input Channel

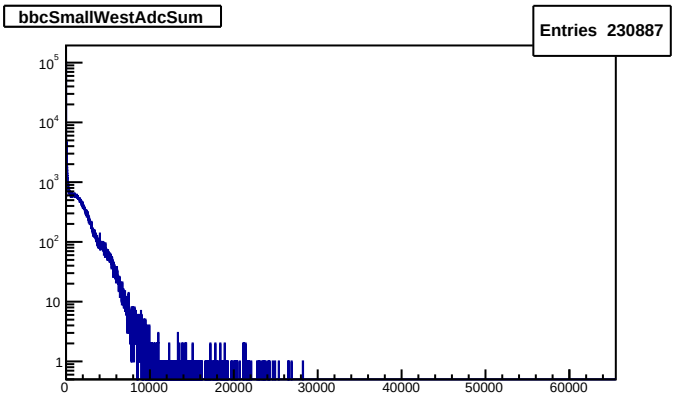

EQ3 QTC
Entries 2.216515e+07
TADC
QT Input Channel

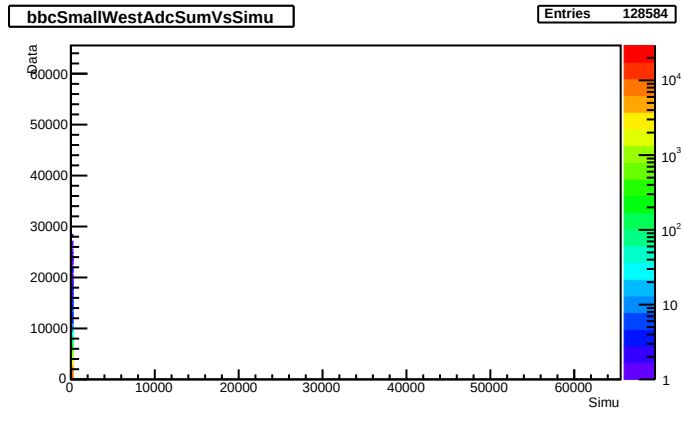

bbcSmallEastAdcSum
Entries 230887


bbcSmallEastAdcSumVsSimu
Entries 174621
Data
Simu


bbcSmallEastTacMax
Entries 230887


bbcSmallEastTacMaxVsSimu
Entries 174621
Data
Simu


bbcSmallWestAdcSum
Entries 230887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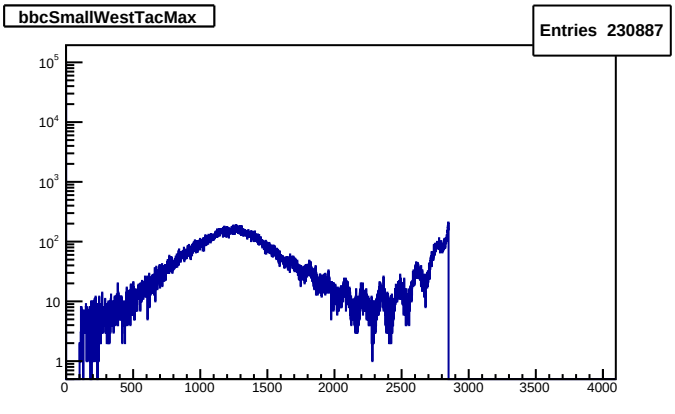
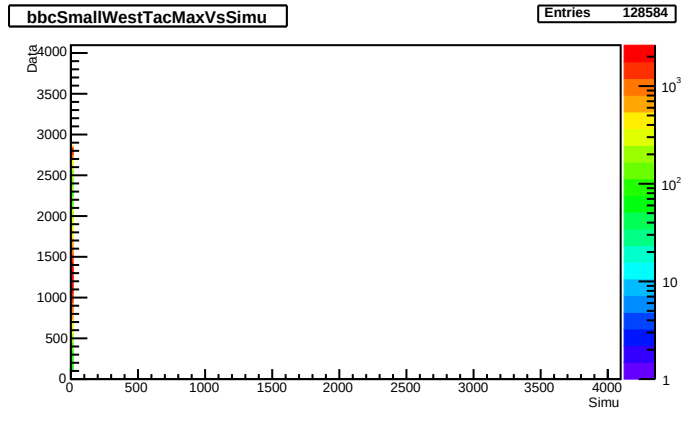
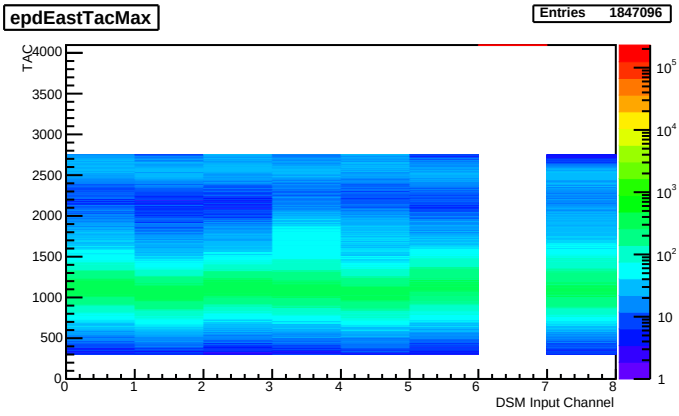
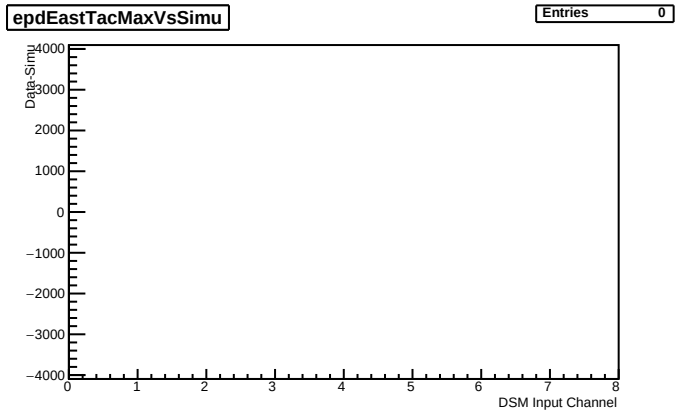
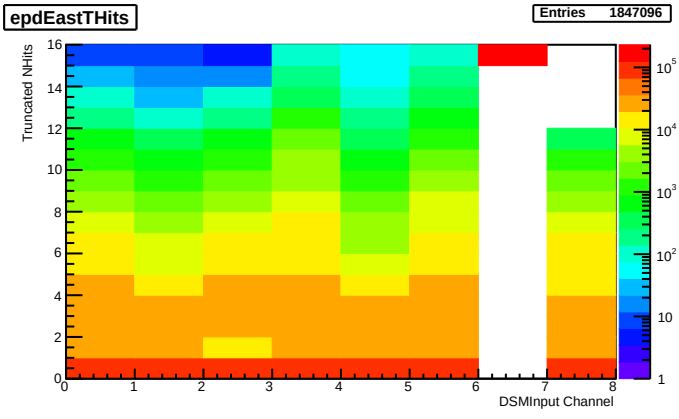
Entries 128584
Data
Simu

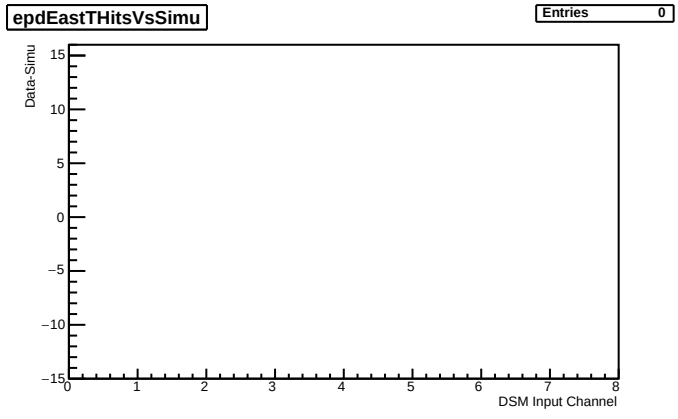

bbcSmallWestTacMax
Entries 230887

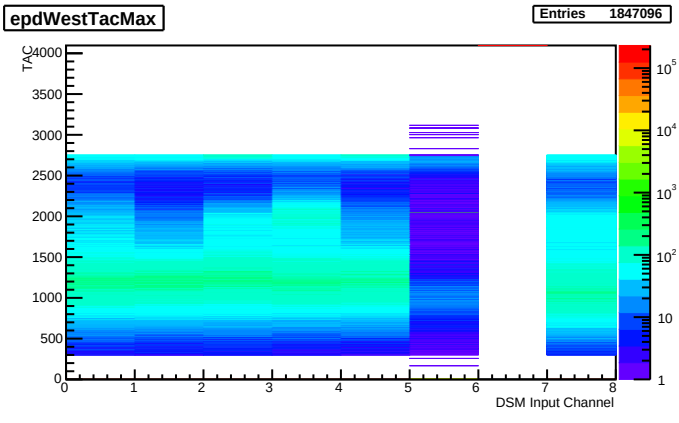

bbcSmallWestTacMaxVsSimu
Entries 128584
Data
Simu

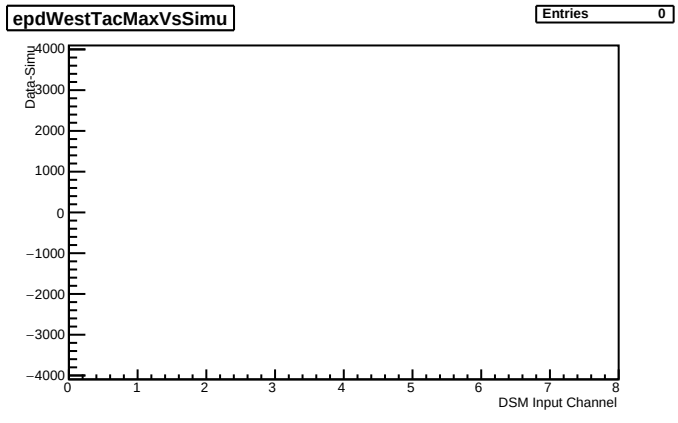

epdEastTacMax
Entries 1847096
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1847096
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 1847096
TAC
DSM Input Channel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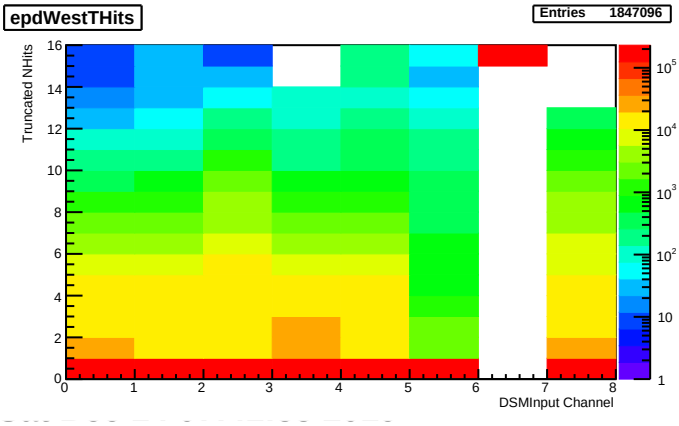
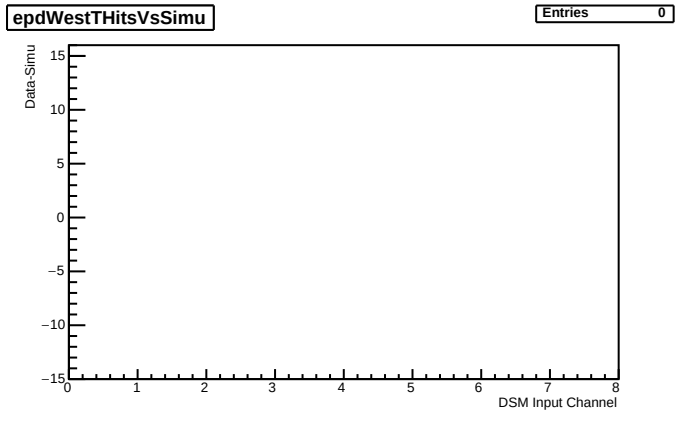
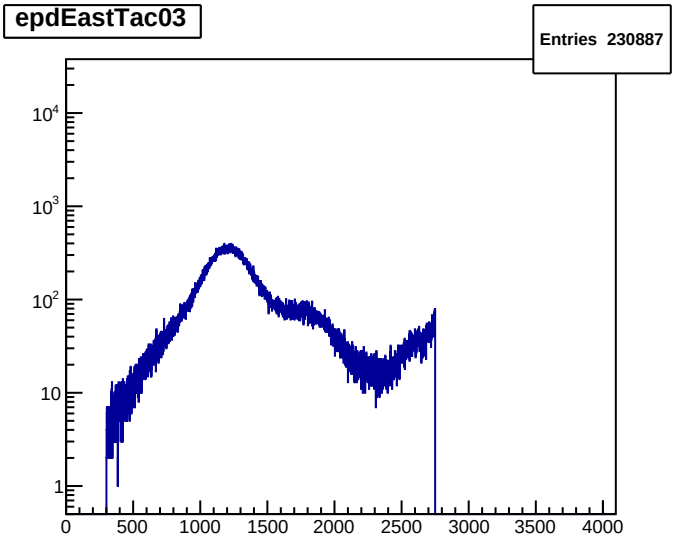
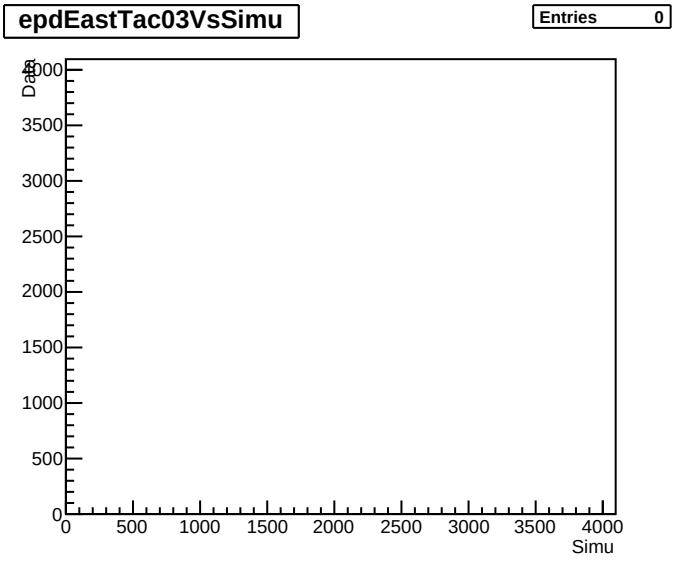
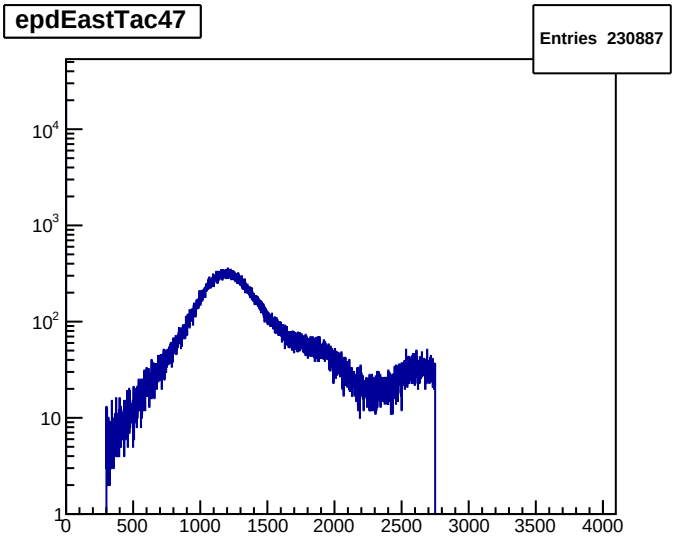
Entries 0
Data-Simu
DSM Input Channel

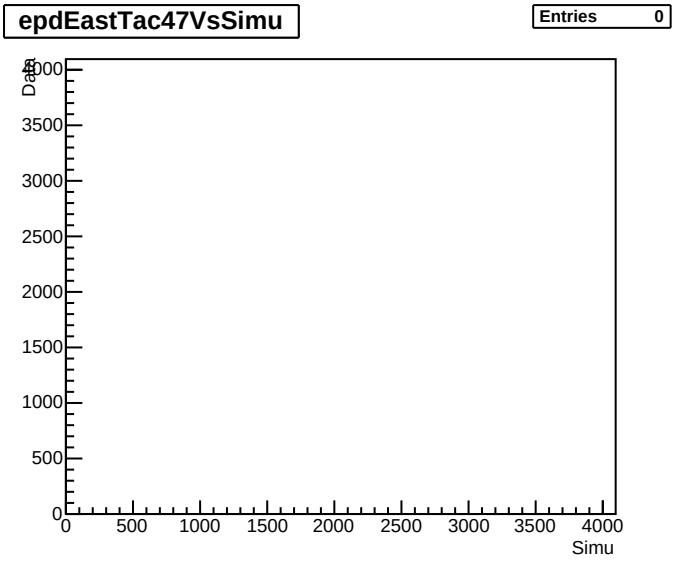

epdWestTHits
Entries 1847096
Truncated NHits
DSMInput Channel

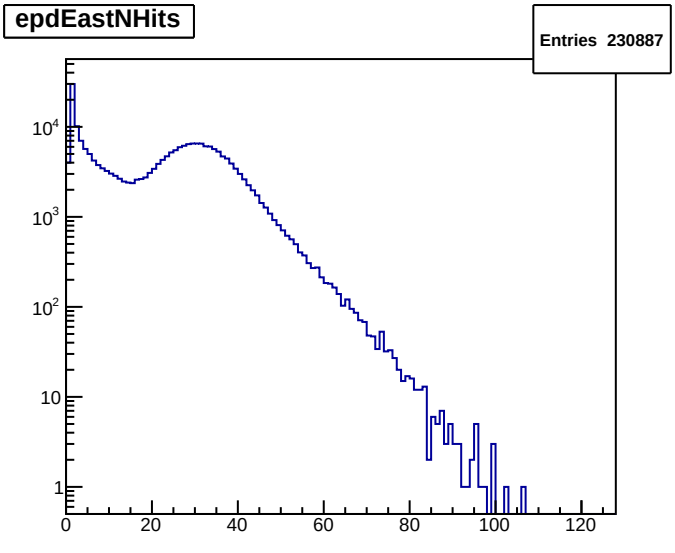

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

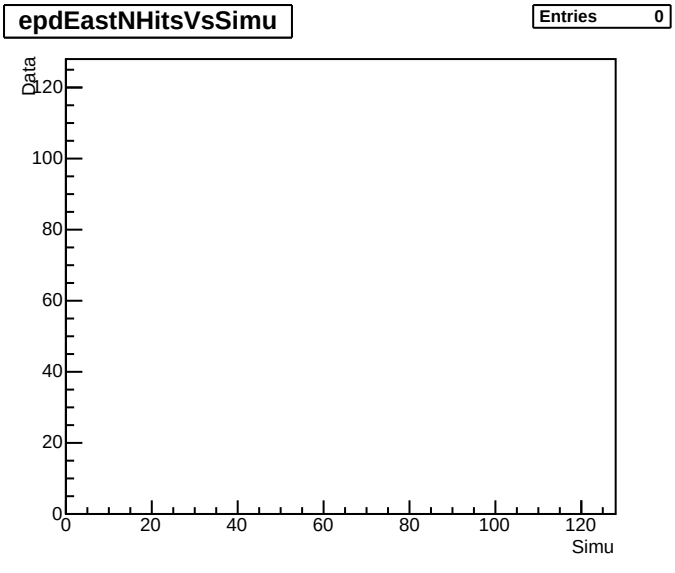

epdEastTac03
Entries 230887

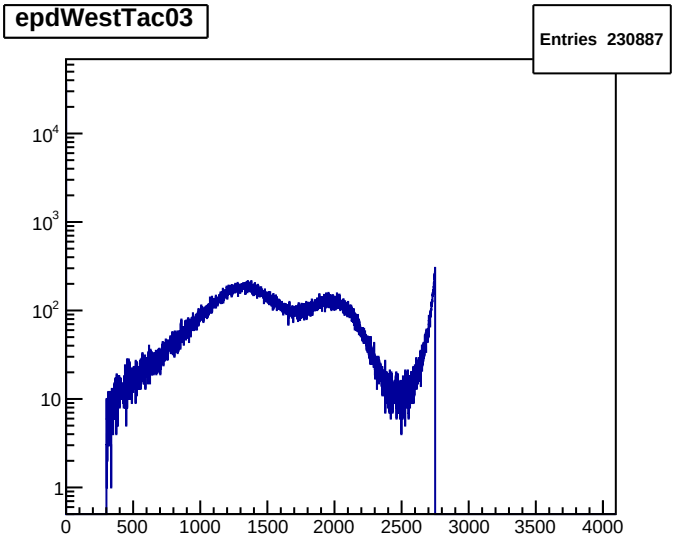

epdEastTac03VsSimu
Entries 0
Data
Simu

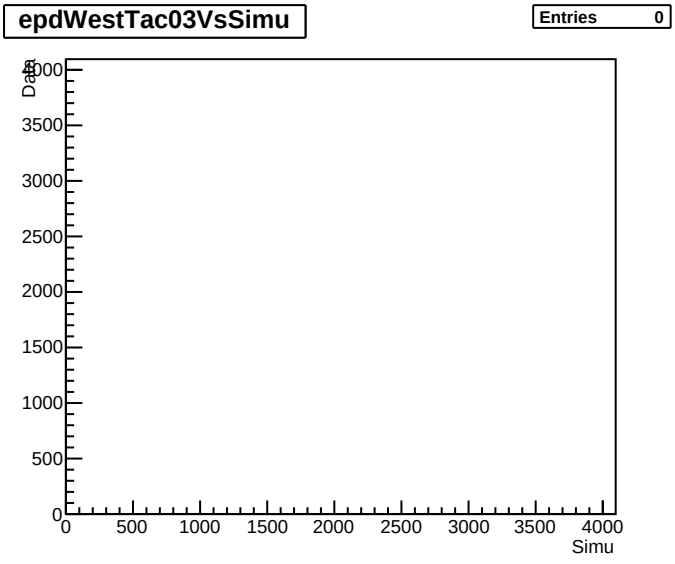

epdEastTac47
Entries 230887

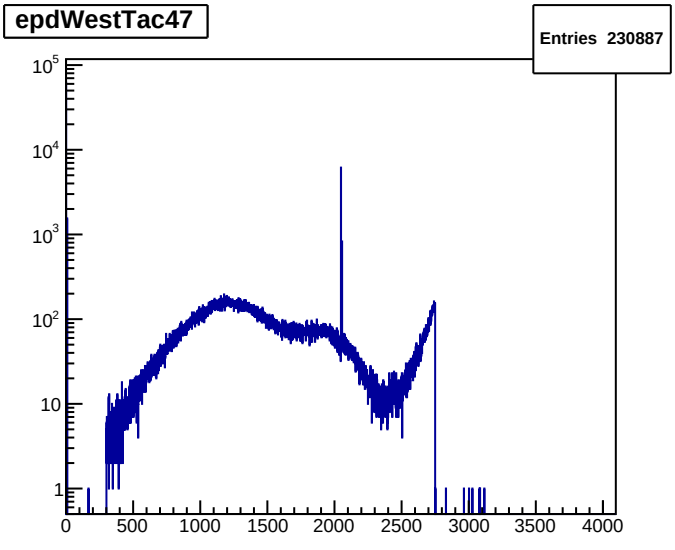

epdEastTac47VsSimu
Entries 0
Data
Simu

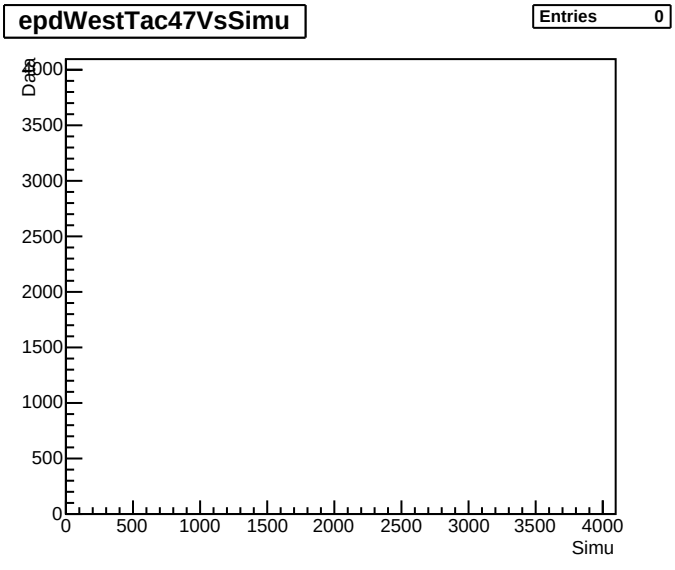

epdEastNHits
Entries 230887


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 230887


epdWestTac03VsSimu
Entries 0
Data
Simu


epdWestTac47
Entries 230887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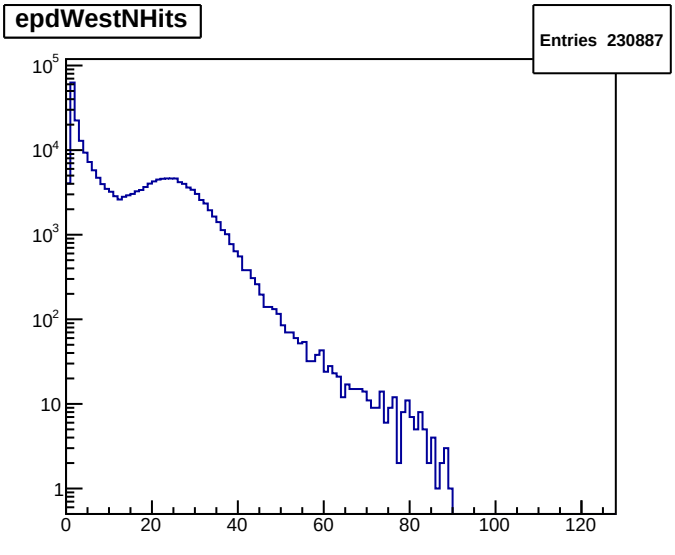
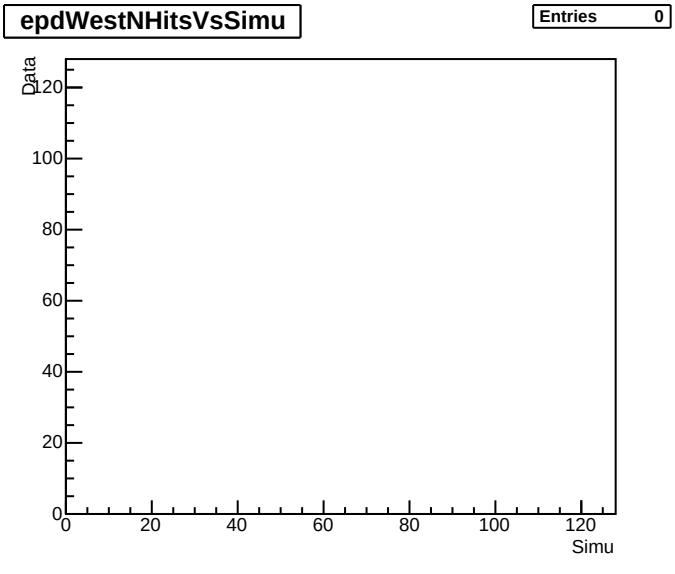
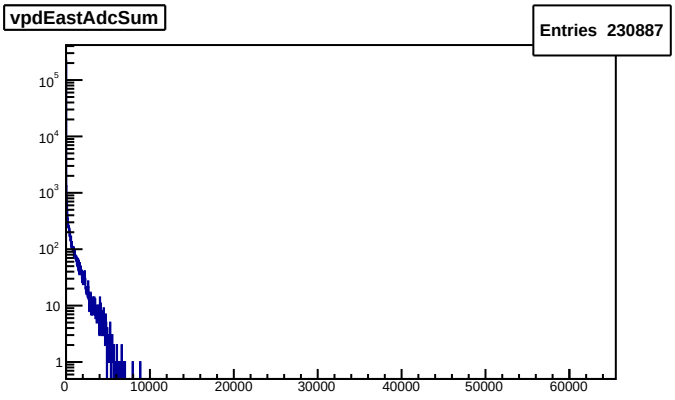
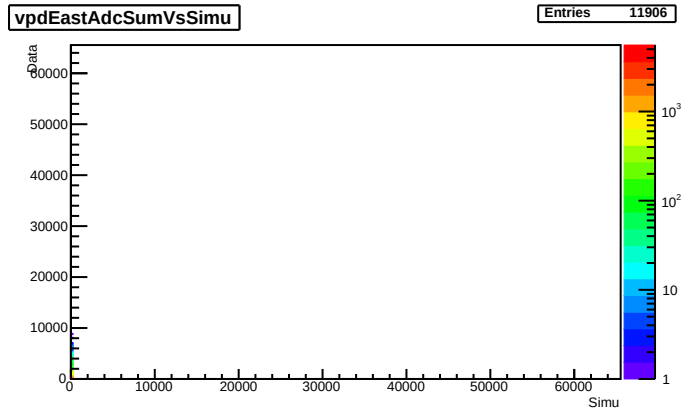
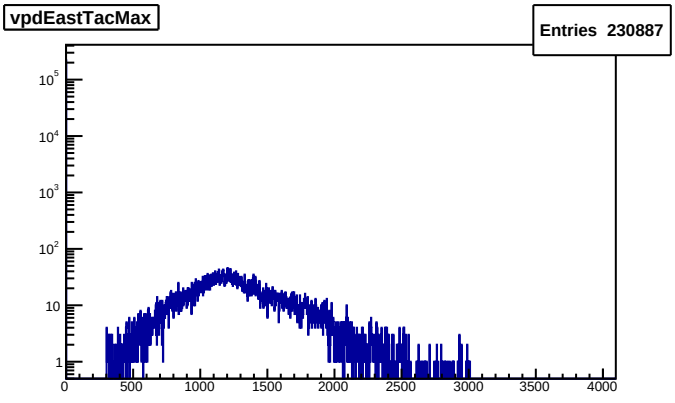
Entries 0
Data
Simu

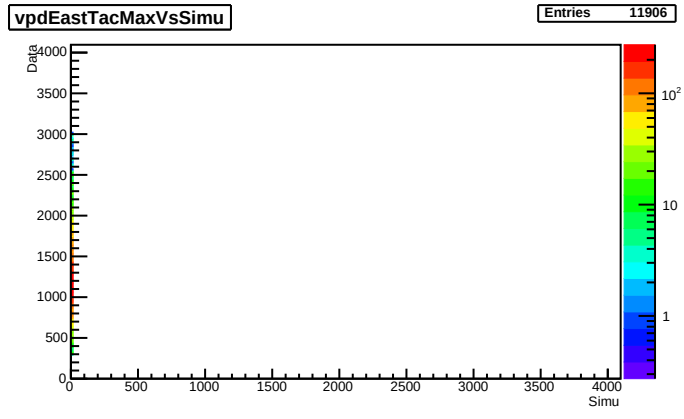

epdWestNHits
Entries 230887

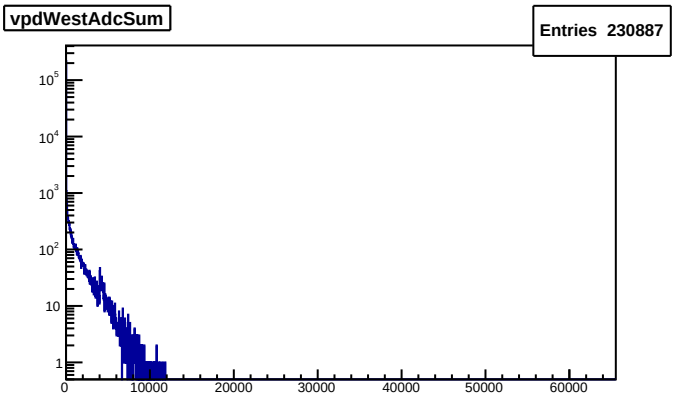

epdWestNHitsVsSimu
Entries 0
Data
Simu

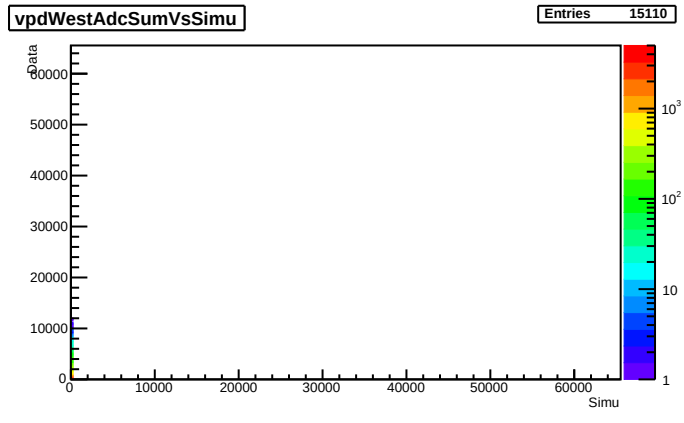

vpdEastAdcSum
Entries 230887

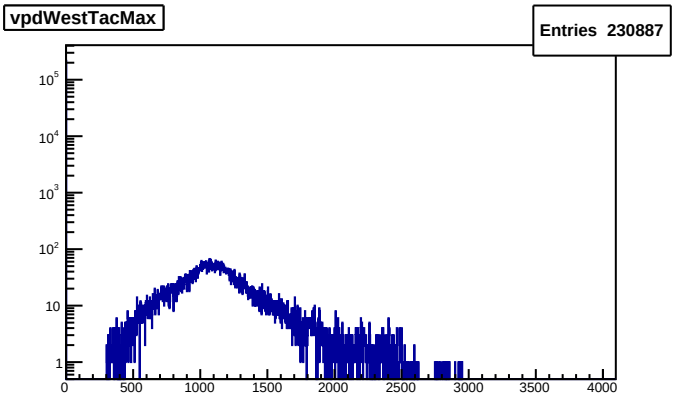

vpdEastAdcSumVsSimu
Entries 11906
Data
Simu

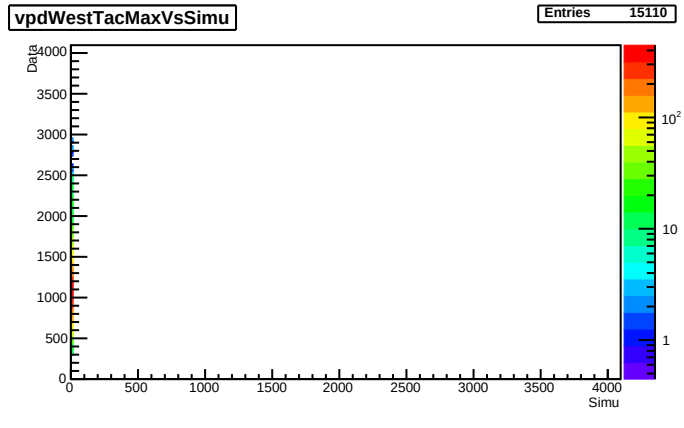

vpdEastTacMax
Entries 230887

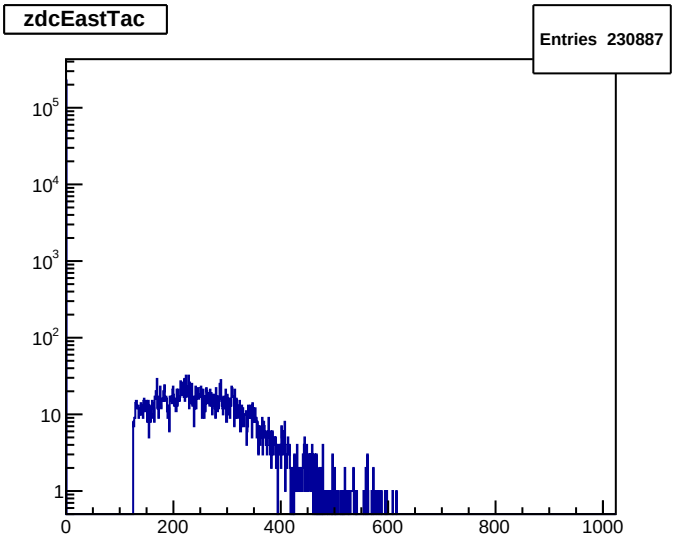

vpdEastTacMaxVsSimu
Entries 11906
Data
Simu

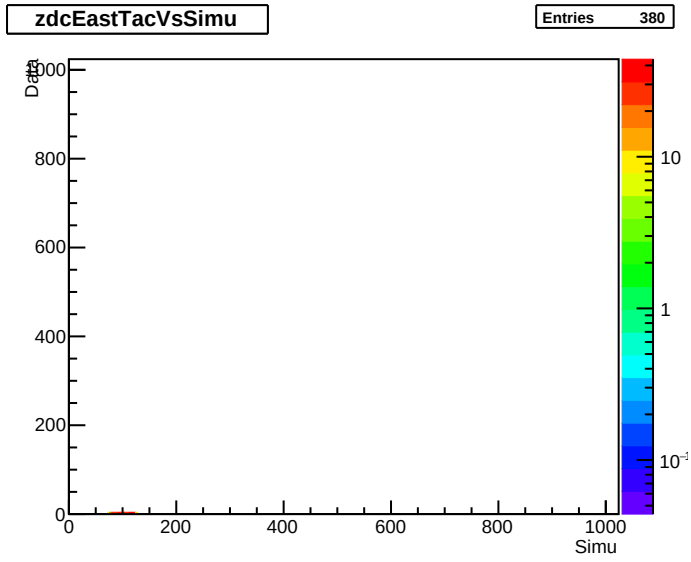

vpdWestAdcSum
Entries 230887

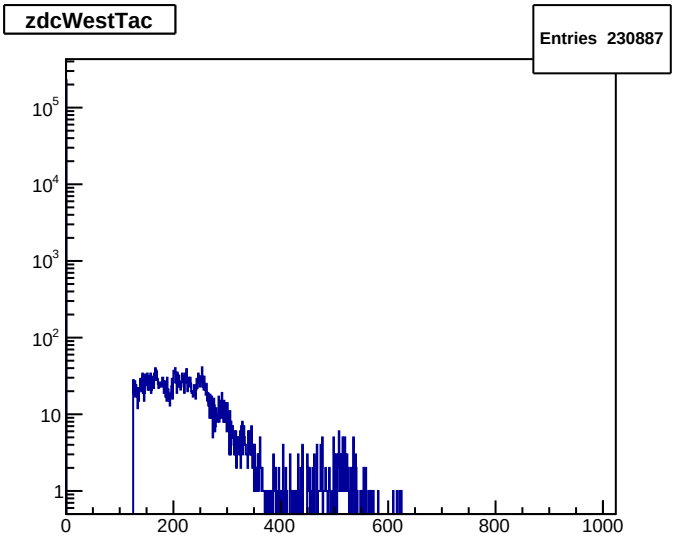

vpdWestAdcSumVsSimu
Entries 15110
Data
Simu

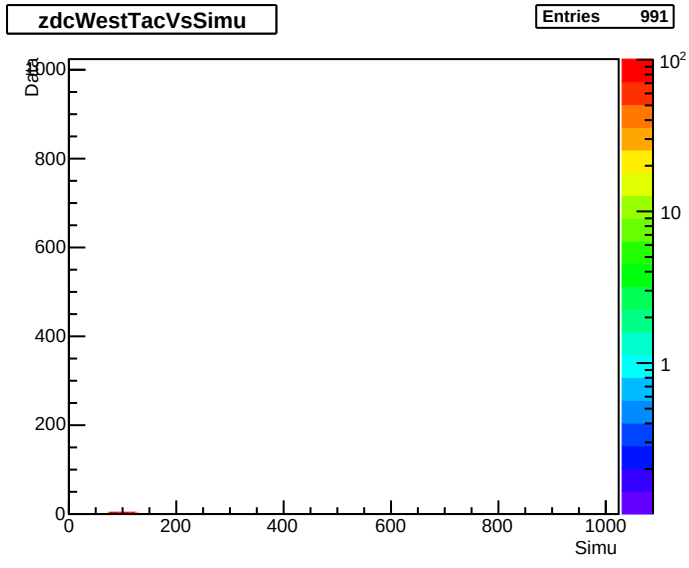

vpdWestTacMax
Entries 230887

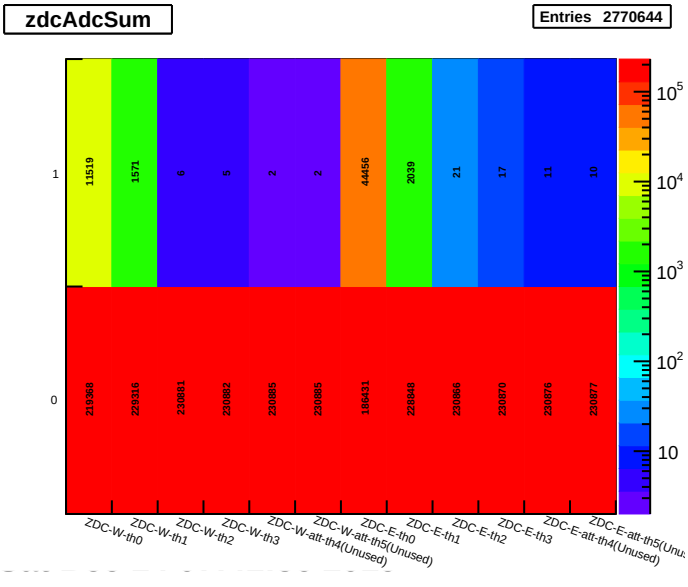

vpdWestTacMaxVsSimu
Entries 15110
Data
Simu

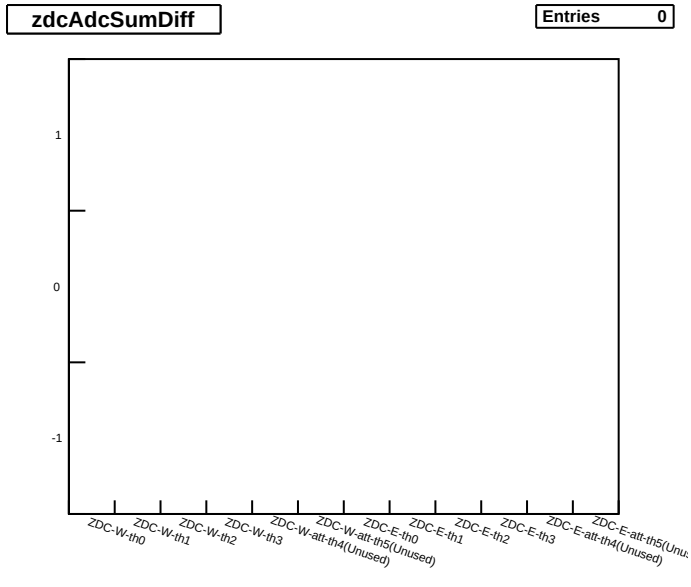

zdcEastTac
Entries 230887

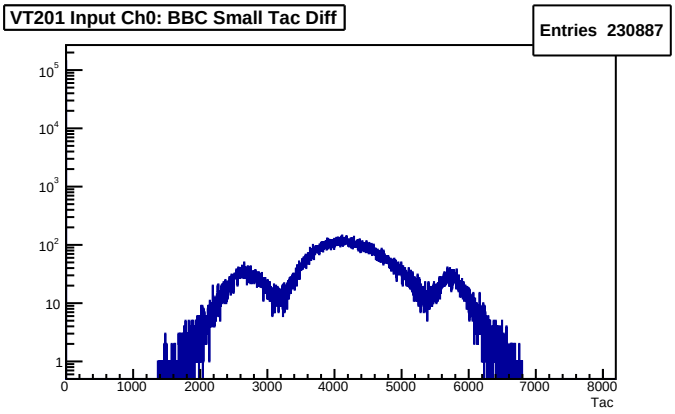

zdcEastTacVsSimu
Entries 380
Data
Simu

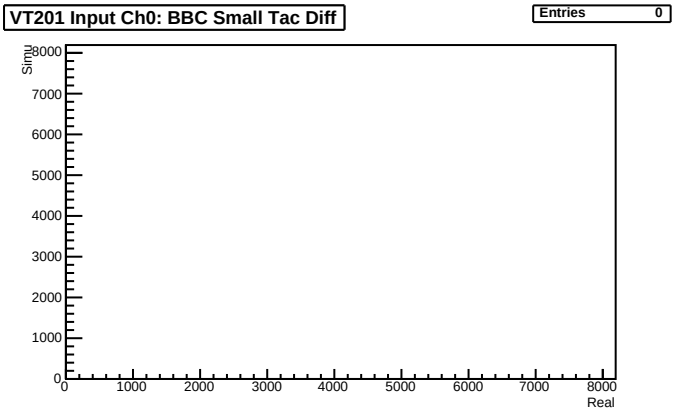

zdcWestTac
Entries 230887

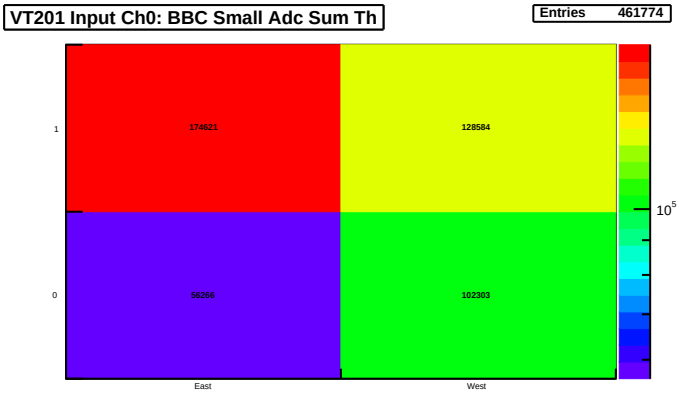

zdcWestTacVsSimu
Entries 991
Data
Simu

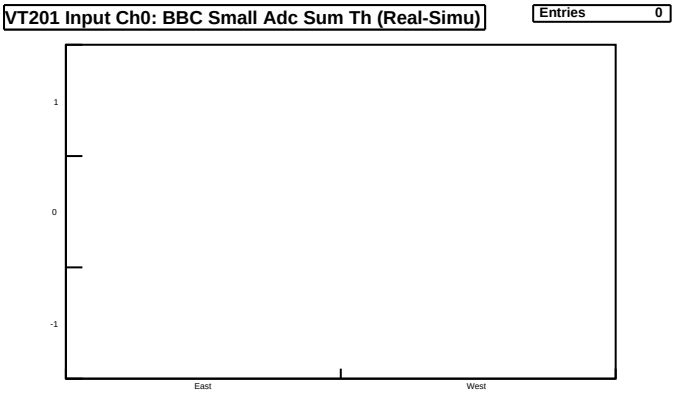

zdcAdcSum
Entries 2770644
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

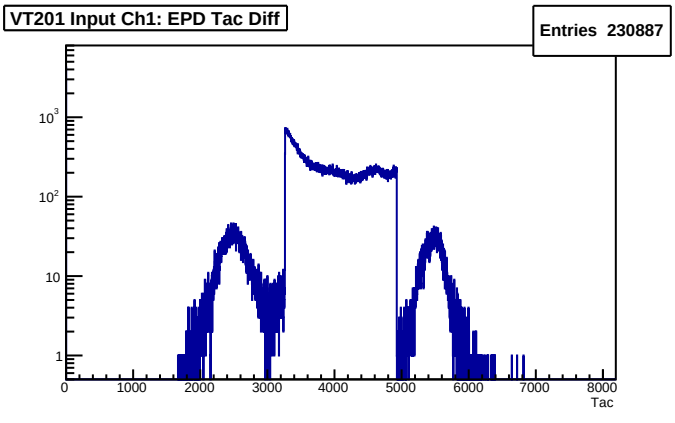

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

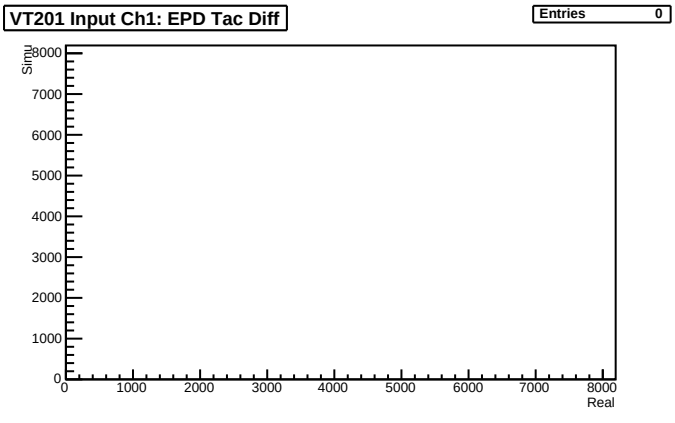

VT201 Input Ch0: BBC Small Tac Diff
Entries 230887
Tac

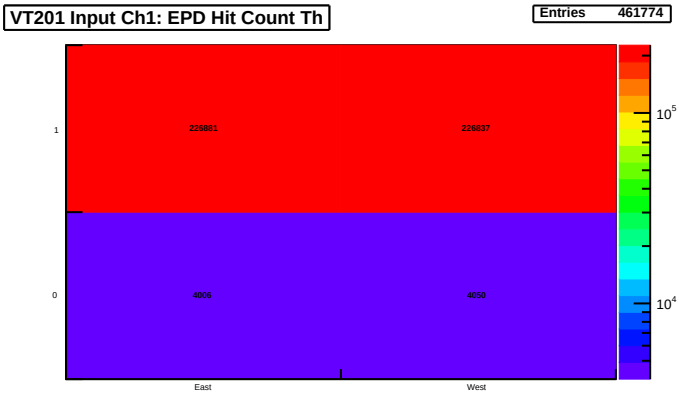

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

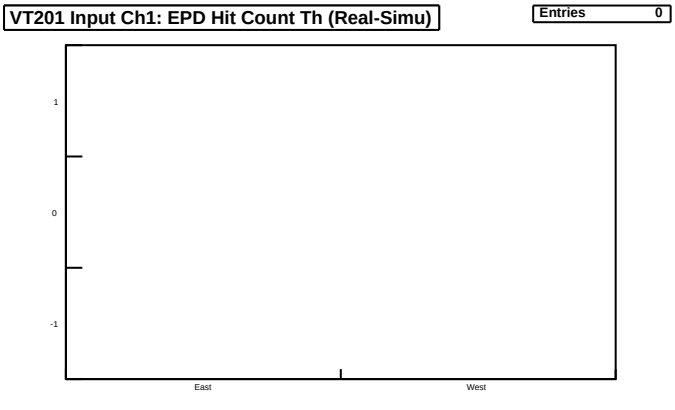

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 461774
174621
128584
56266
102303
East
West

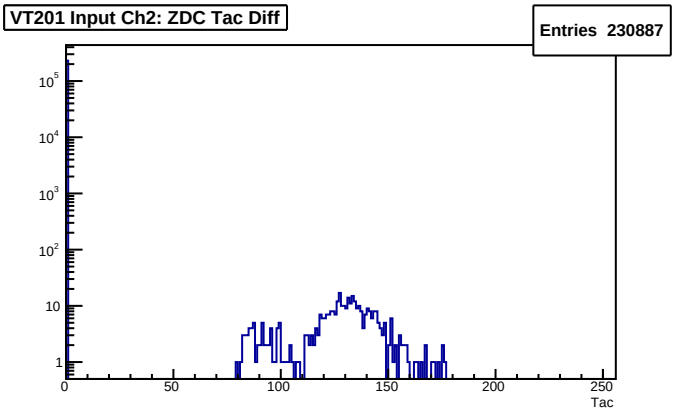

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

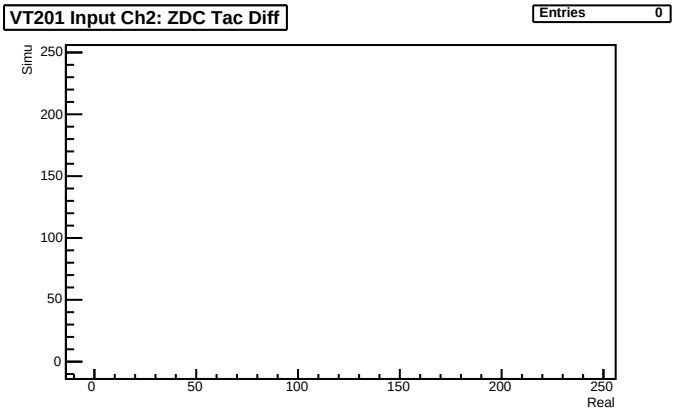

VT201 Input Ch1: EPD Tac Diff
Entries 230887
Tac

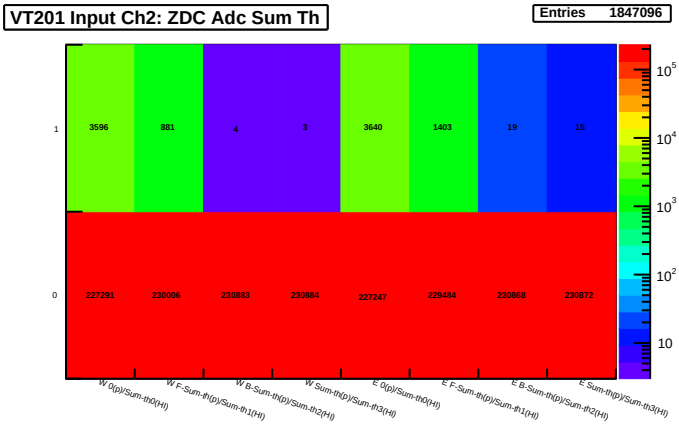

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

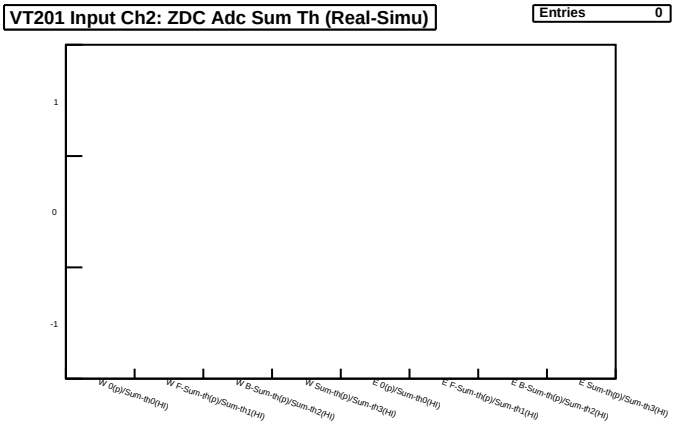

VT201 Input Ch1: EPD Hit Count Th
Entries 461774
226881
226837
4006
4050
East
West

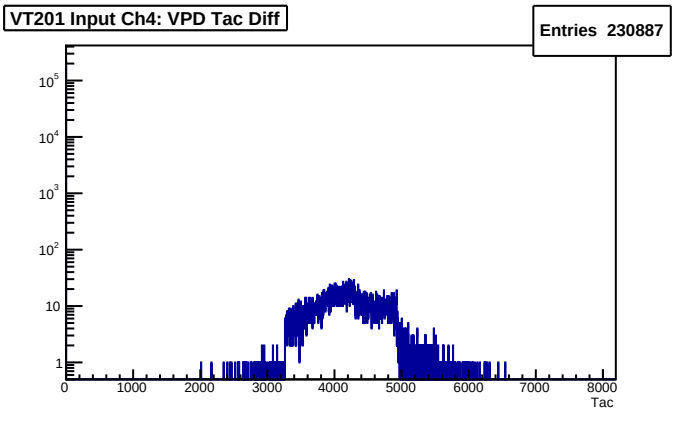

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

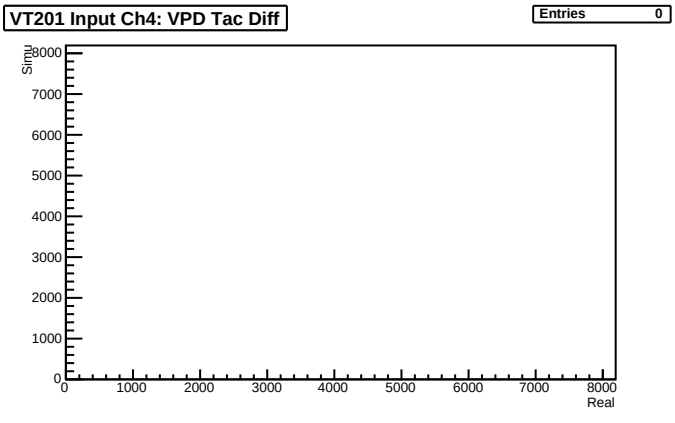

VT201 Input Ch2: ZDC Tac Diff
Entries 230887
Tac

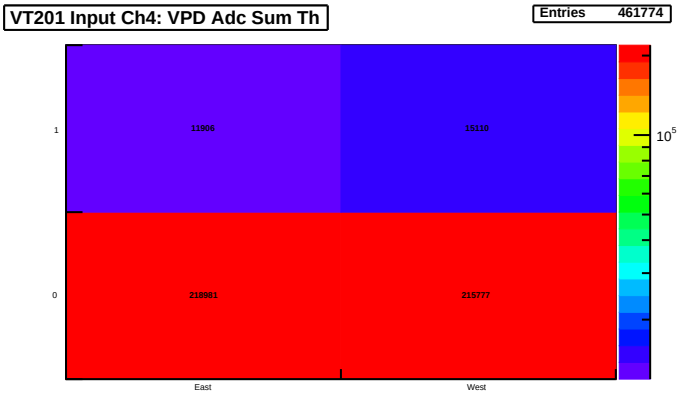

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

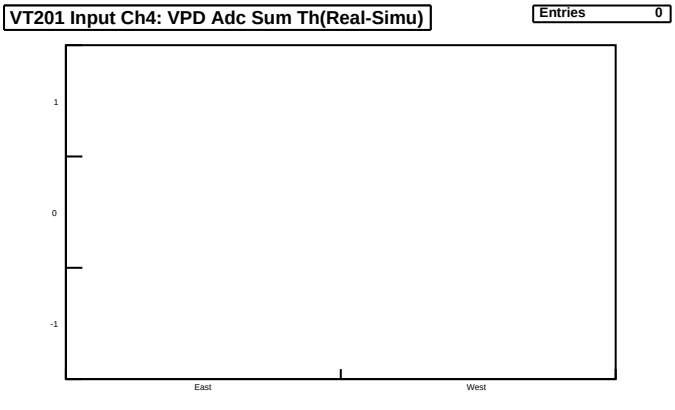

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1847096
3596
881
4
3
3640
1403
19
15
227291
230006
230883
230884
227247
229484
230868
230872
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

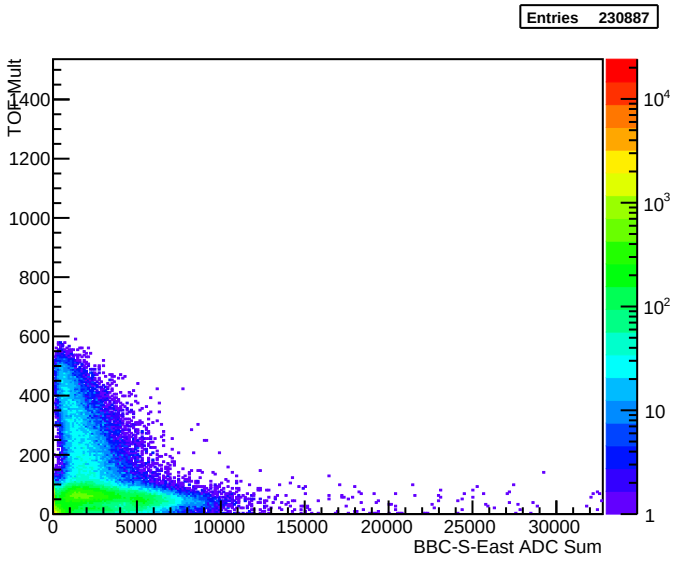

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

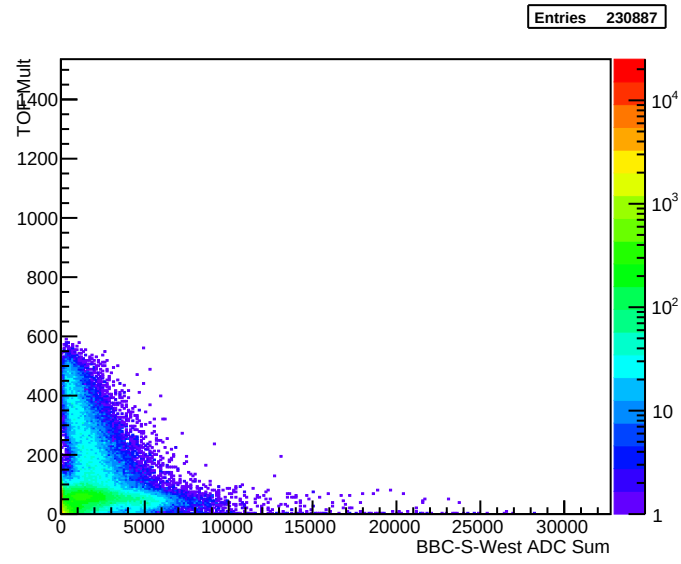

VT201 Input Ch4: VPD Tac Diff
Entries 230887
Tac

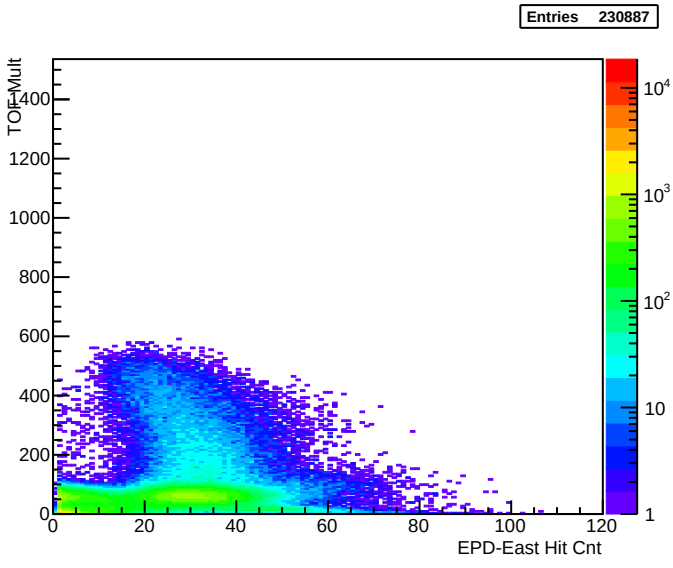

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

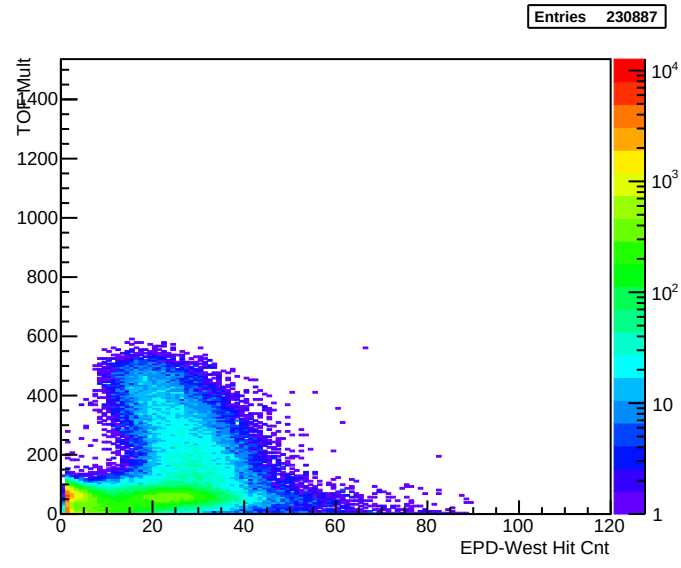

VT201 Input Ch4: VPD Adc Sum Th
Entries 461774
11906
15110
218981
215777
East
West

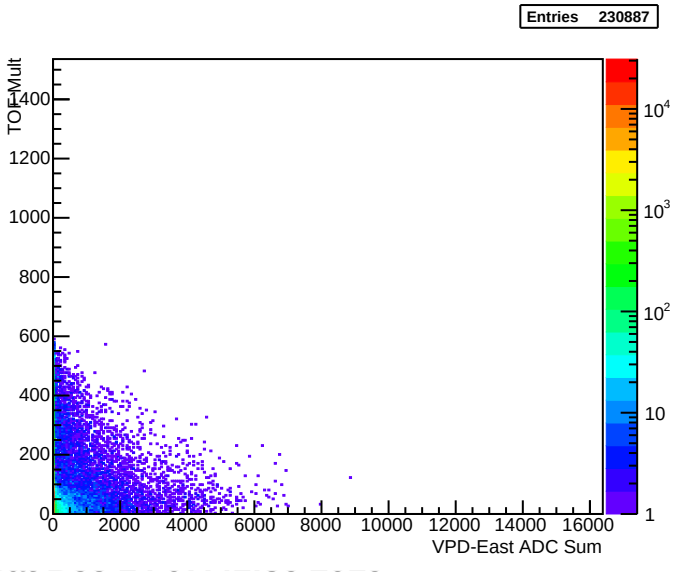

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

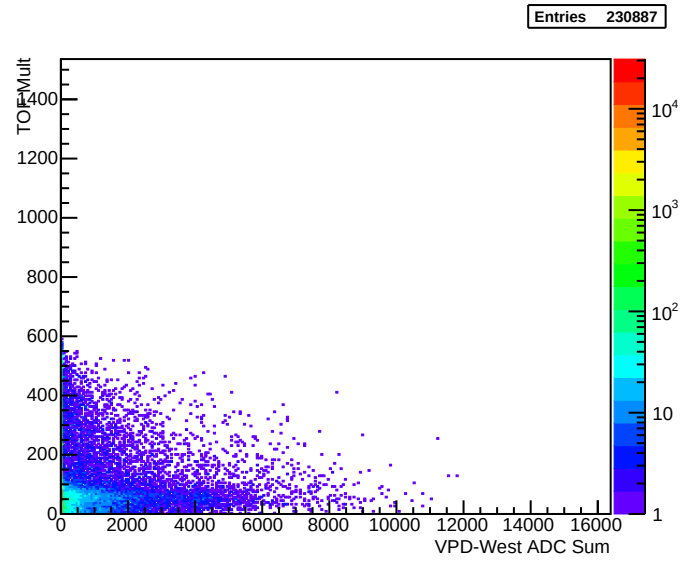

Entries 230887
TOF-Mult
BBC-S-East ADC Sum

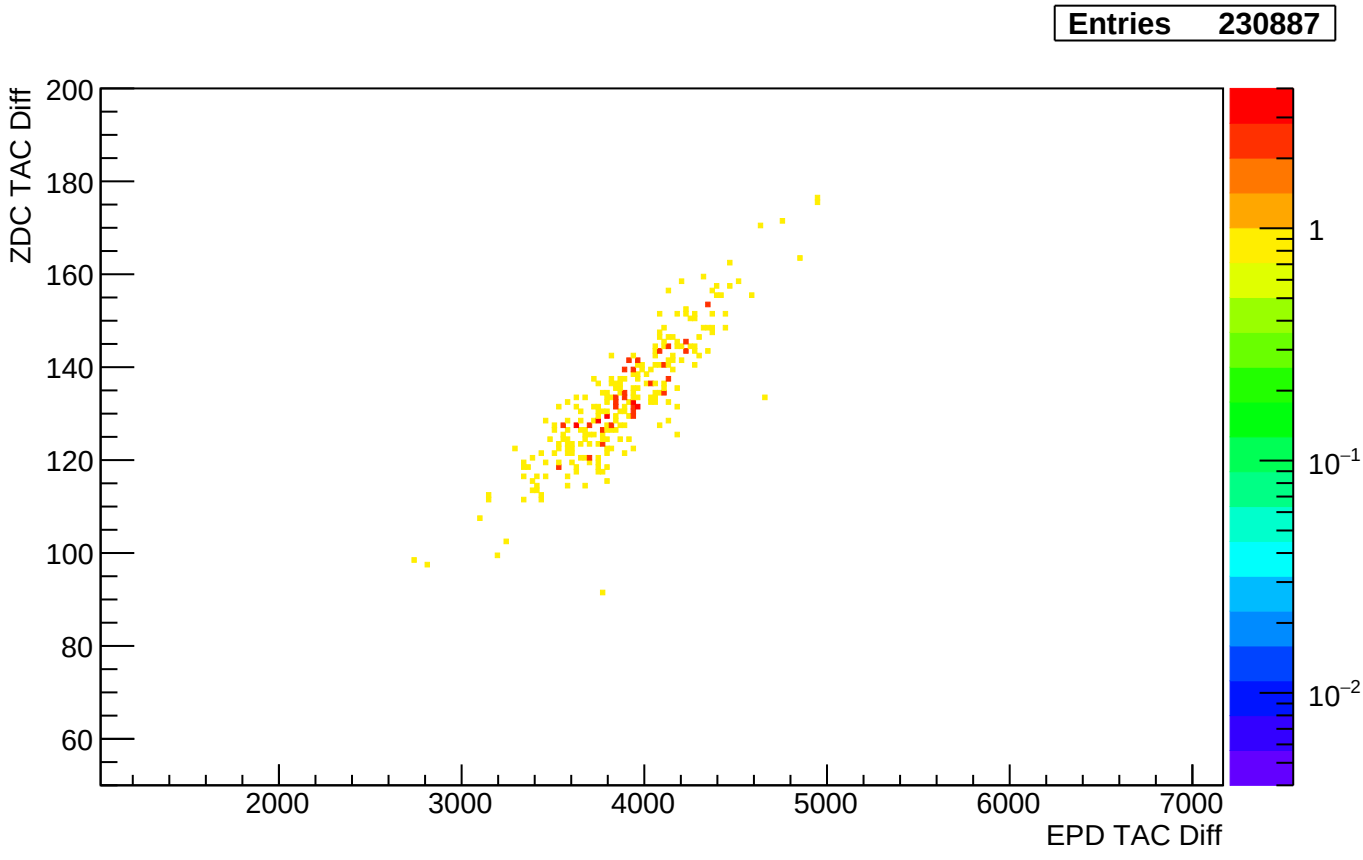

Entries 230887
TOF-Mult
BBC-S-West ADC Sum

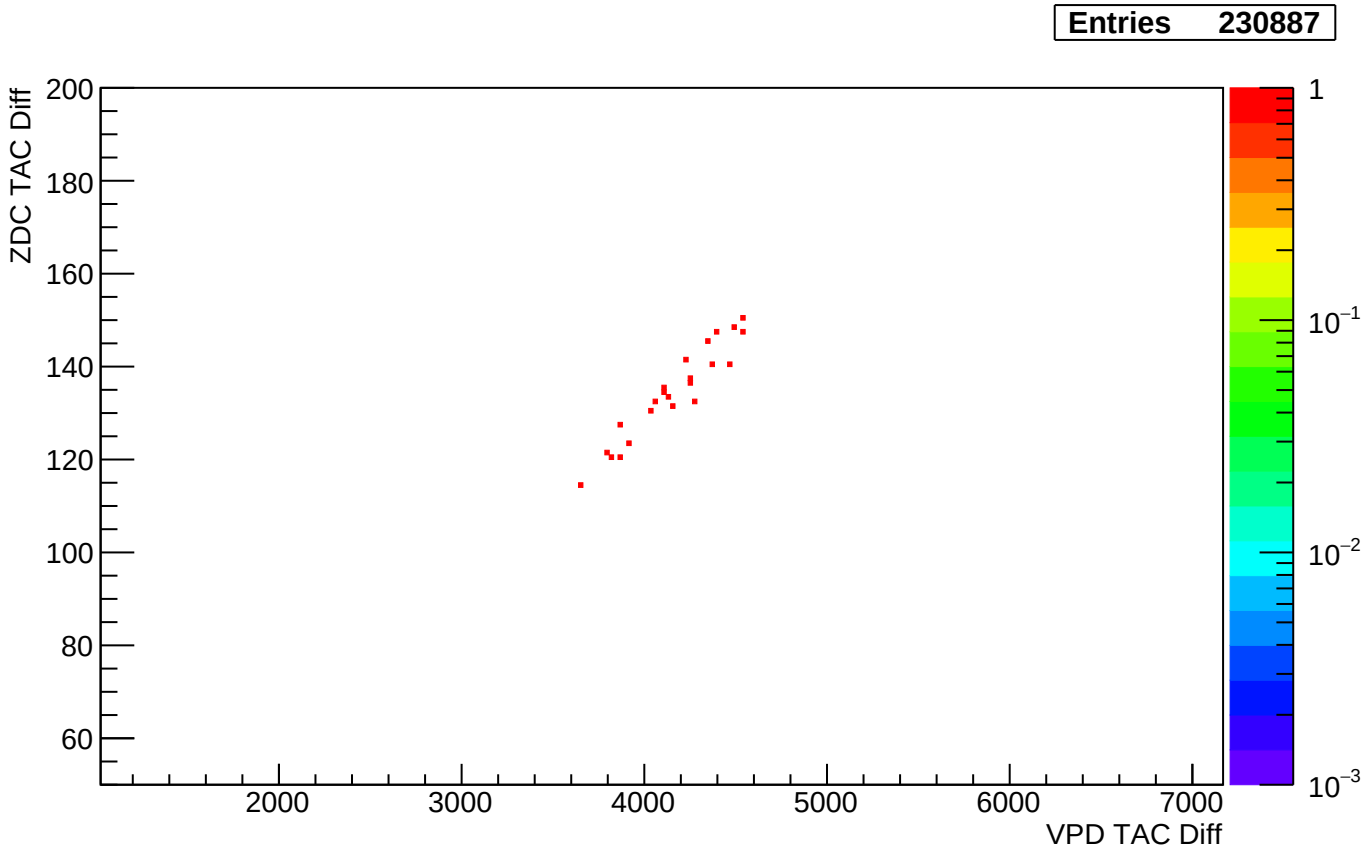

Entries 230887
TOF-Mult
EPD-East Hit Cnt

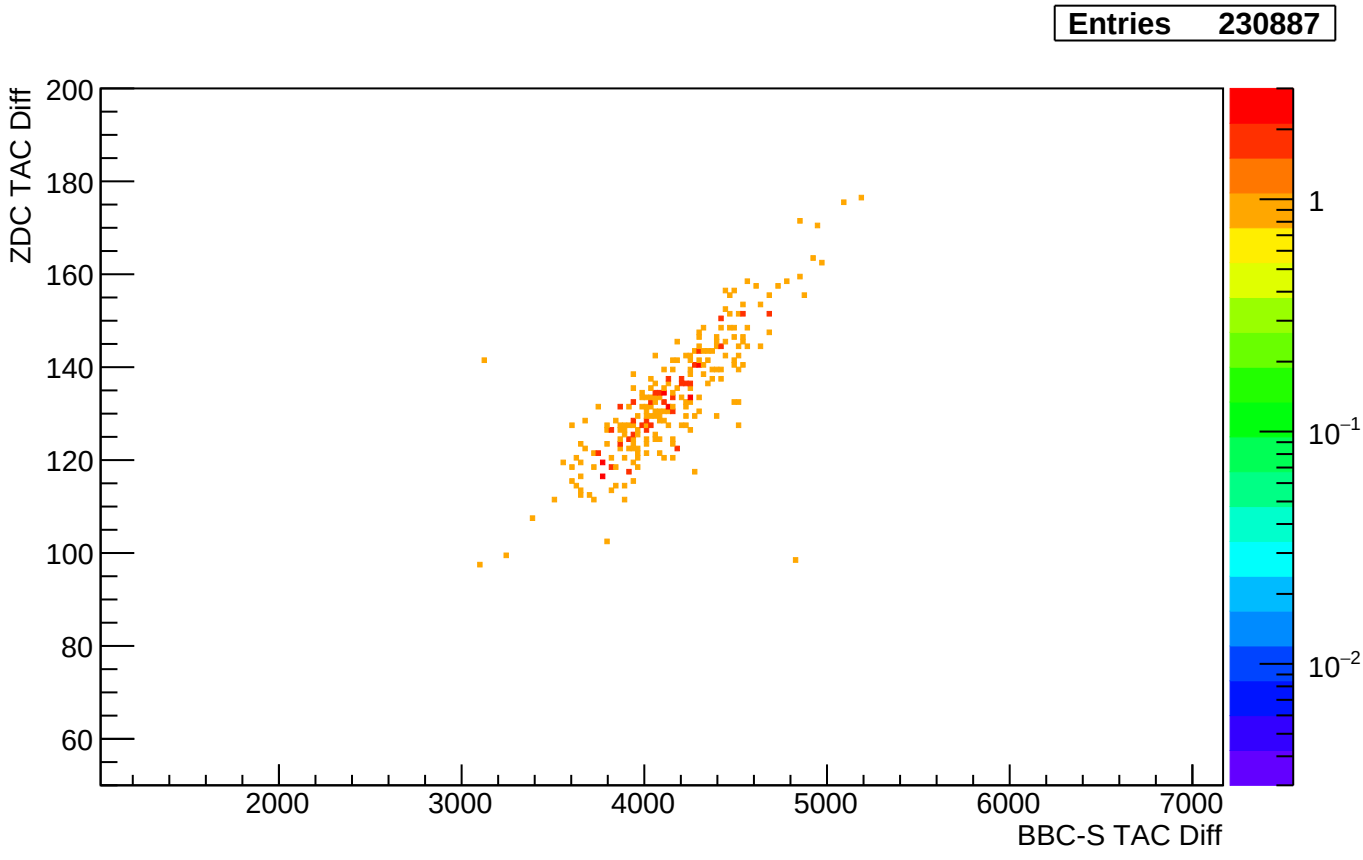

Entries 230887
TOF-Mult
EPD-West Hit Cnt

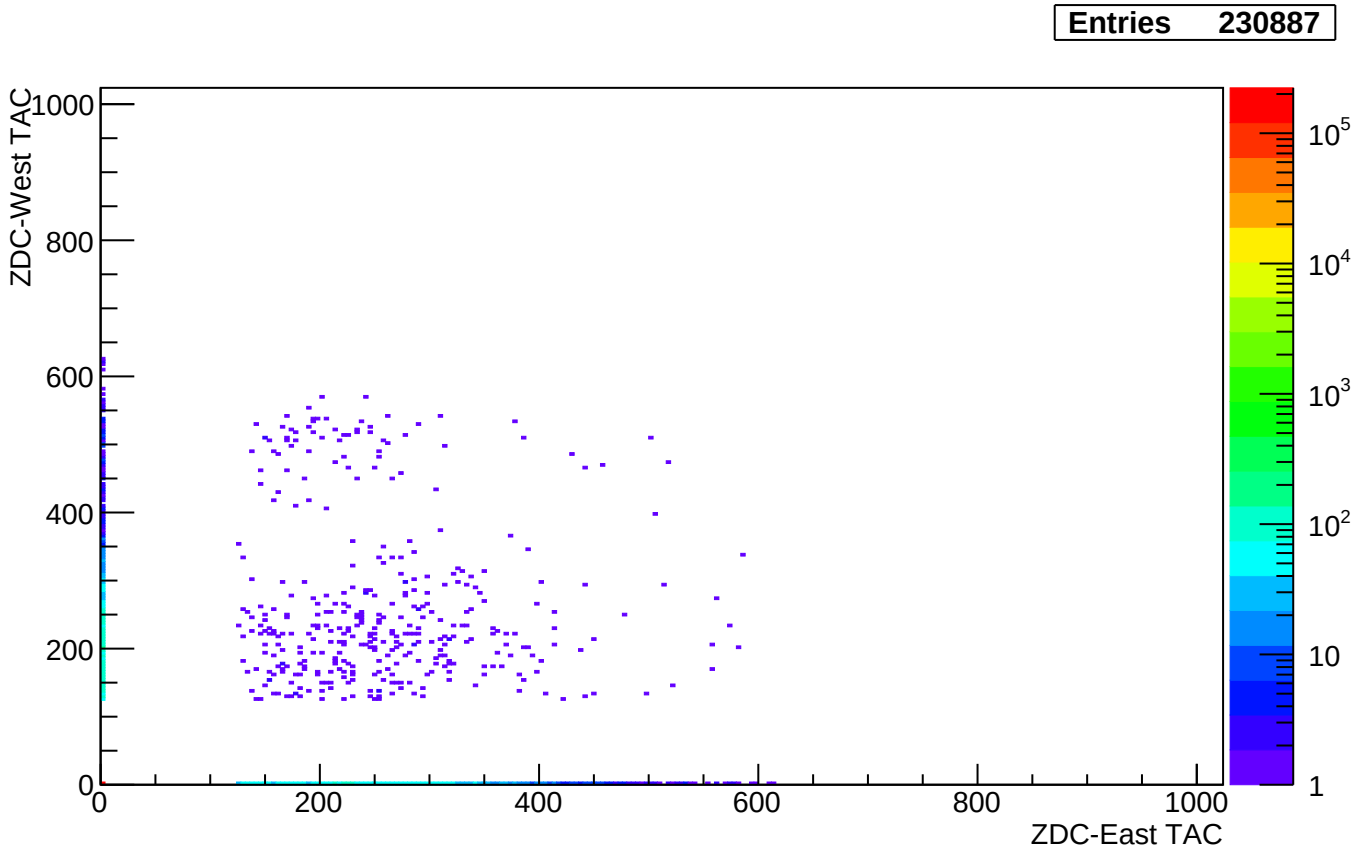

Entries 230887
TOF-Mult
VPD-East ADC Sum

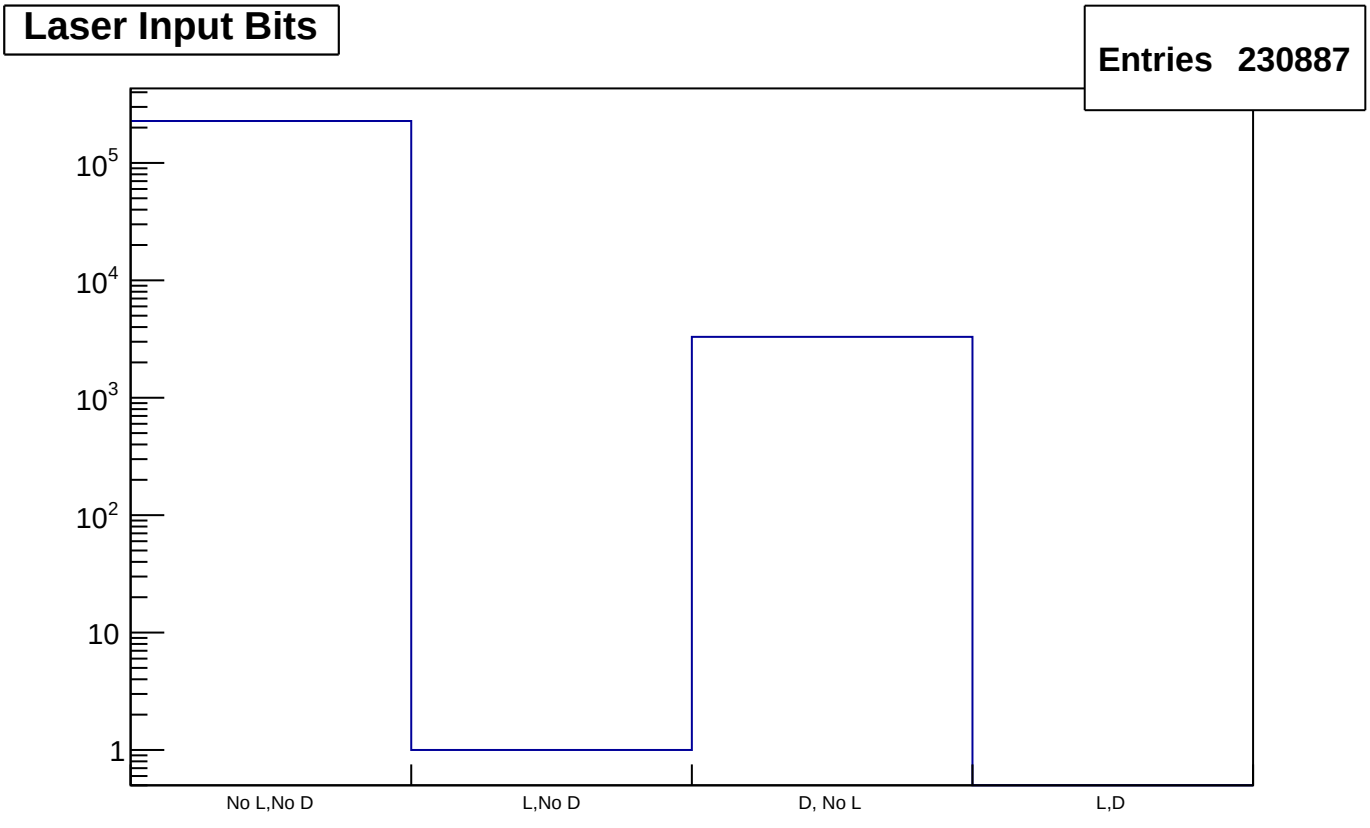

Entries 230887
TOF-Mult
VPD-West ADC Sum

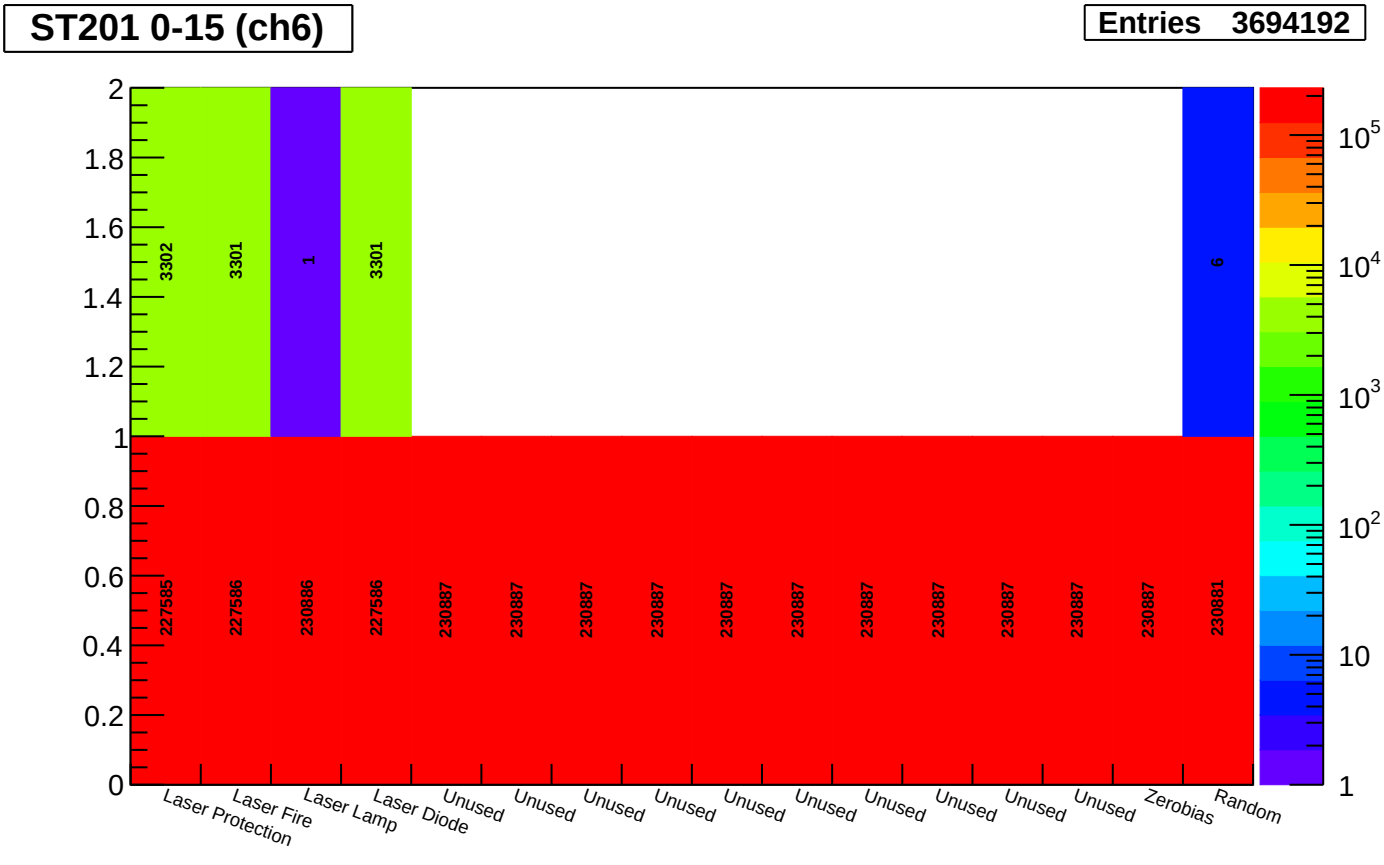

Entries 230887
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

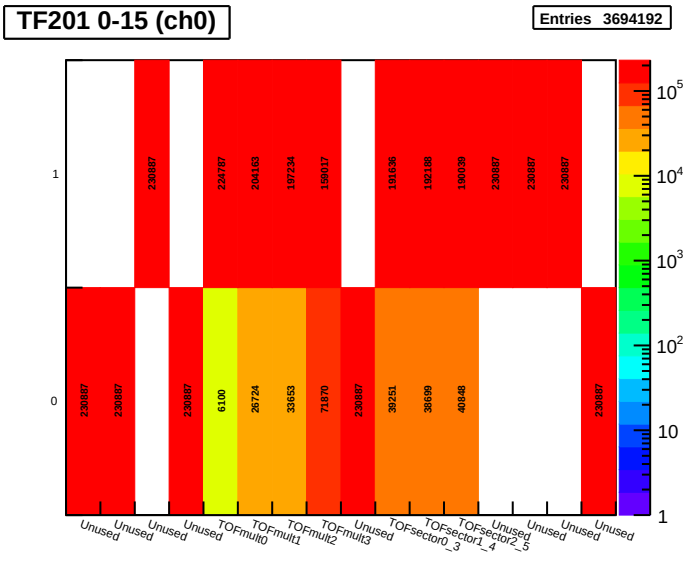

Entries 230887
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

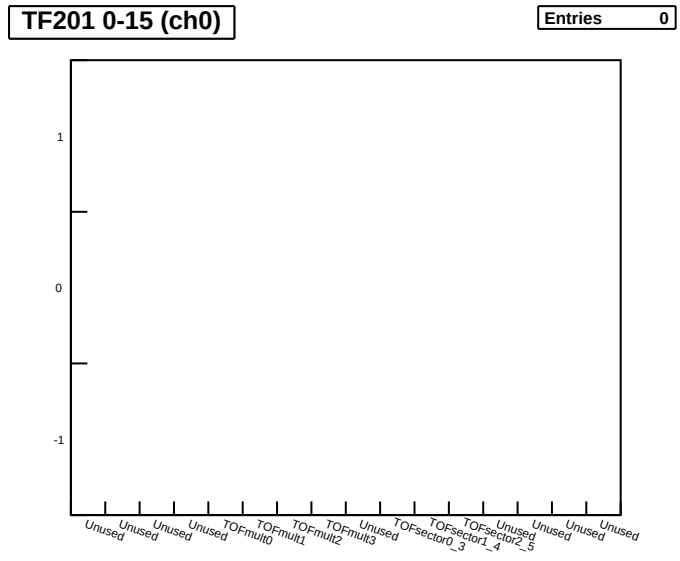

Entries 230887
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

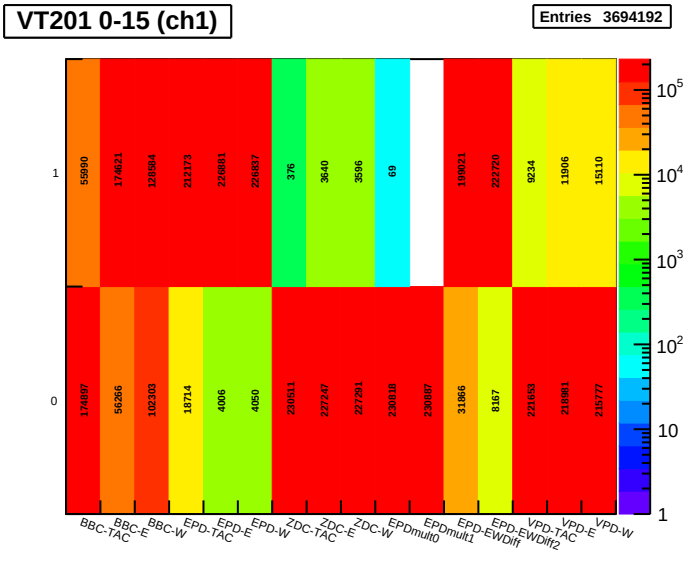

Entries 230887
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

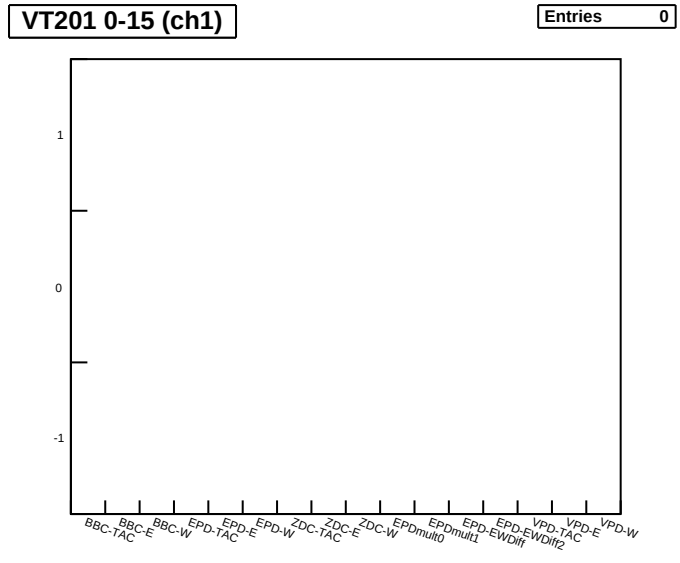

Laser Input Bits
Entries 230887
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

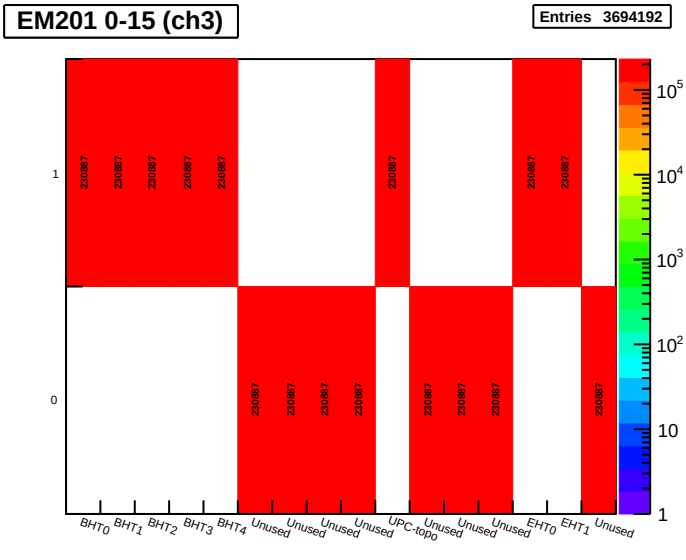

ST201 0-15 (ch6)
Entries 3694192
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3302
3301
1
3301
6
227585
227586
230886
227586
230887
230887
230887
230887
230887
230887
230887
230887
230887
230887
230887
230881
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

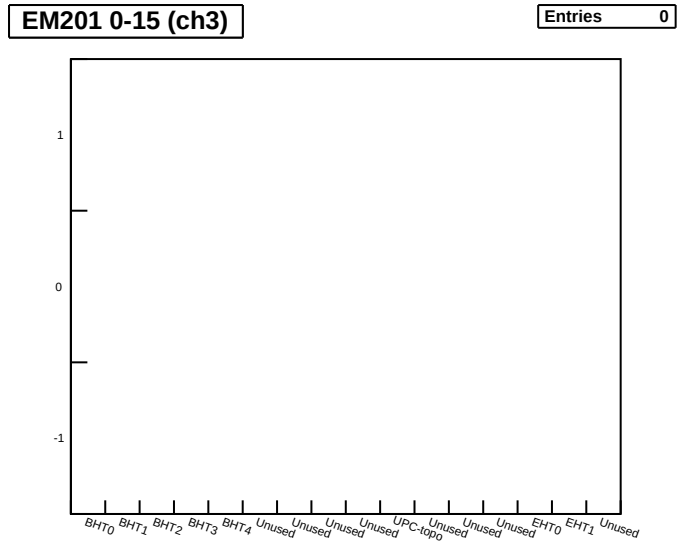

TF201 0-15 (ch0)
Entries 3694192
1
0
230887 224787 204163 197234 190017 191636 192188 190039 230887 230887 230887
230887 230887 230887 6100 26724 33653 71870 230887 39251 38699 40848 230887
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 3694192
1
0
55990 174621 128584 212173 226881 226837 376 3640 3596 69 199021 222720 9234 11906 15110
174897 56266 102303 18714 4006 4050 230511 227247 227291 230818 230887 31866 8167 221653 218981 215777
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 3694192
1
0
230887 230887 230887 230887 230887 230887 230887 230887
230887 230887 230887 230887 230887 230887 230887 230887
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