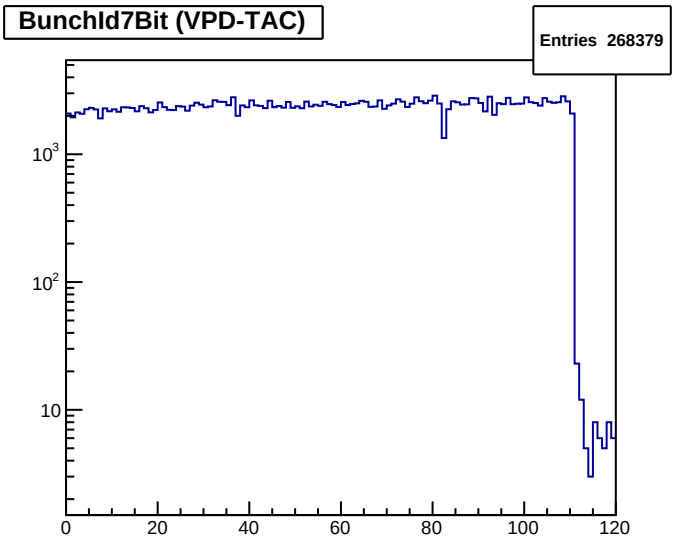
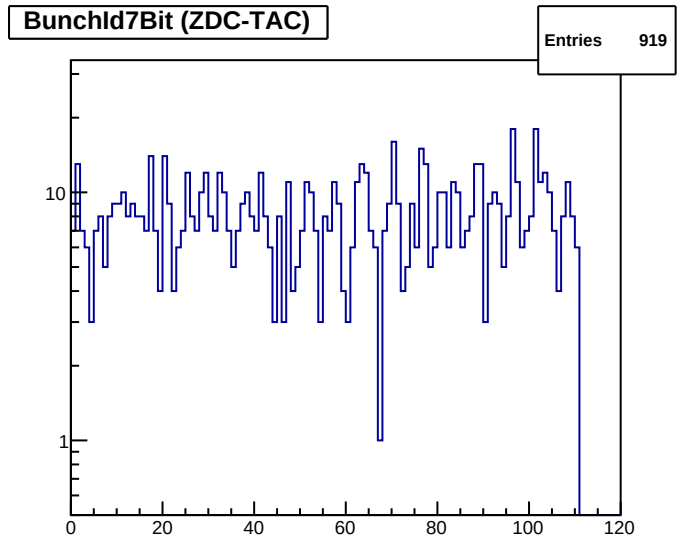
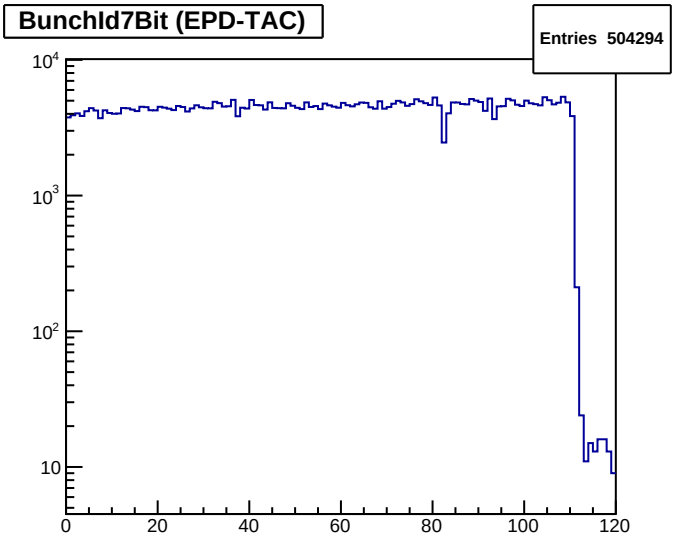
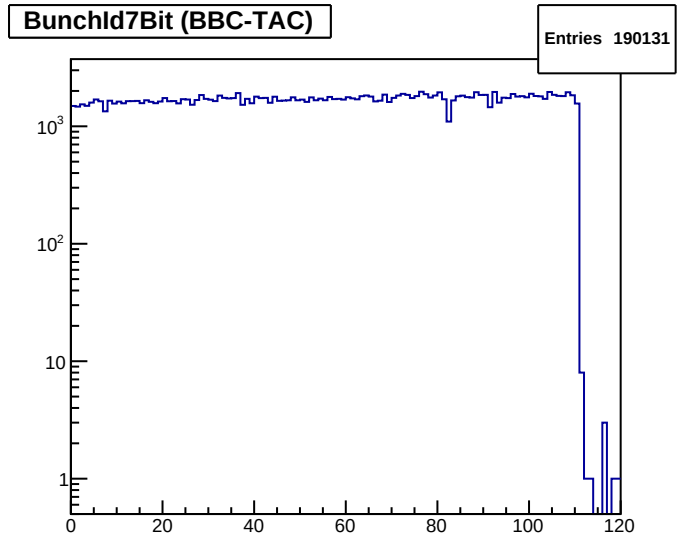
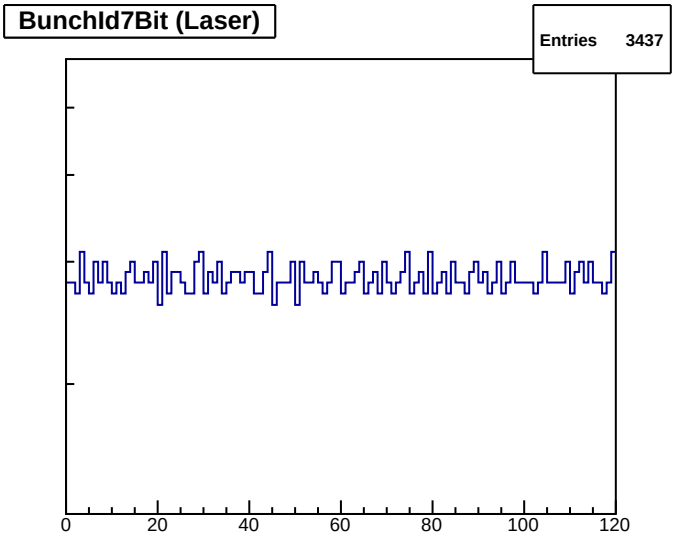
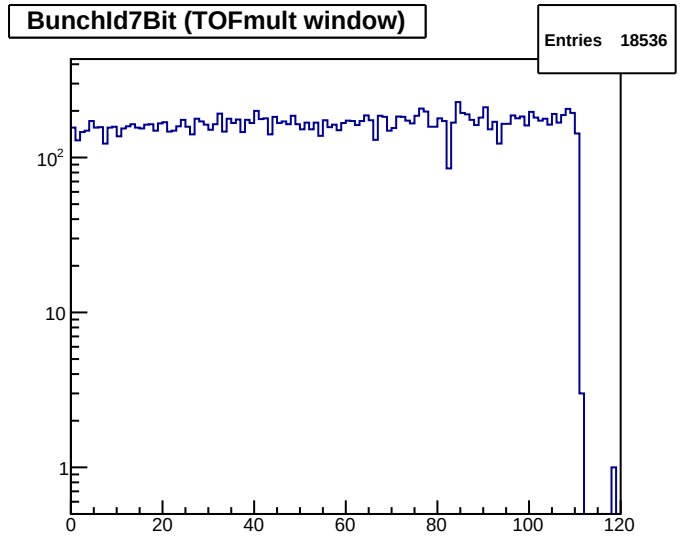

BunchId7Bit (VPD-TAC)
Entries 268379
10^3
10^2
10
0 20 40 60 80 100 120

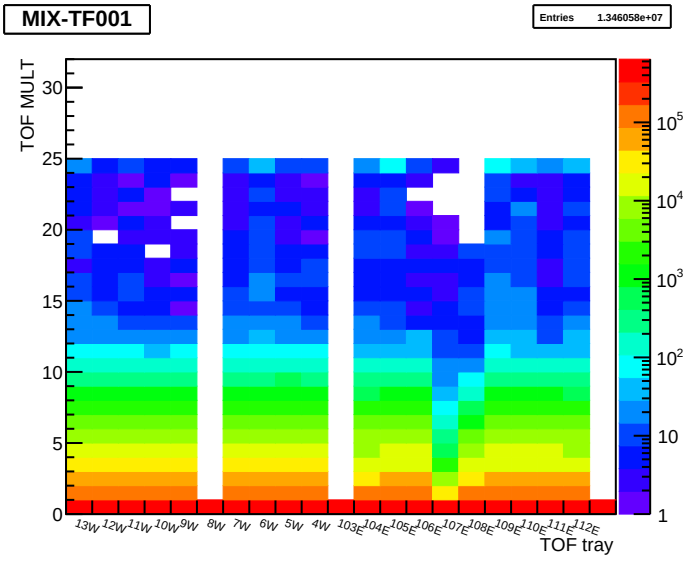

BunchId7Bit (ZDC-TAC)
Entries 919
10
1
0 20 40 60 80 100 120

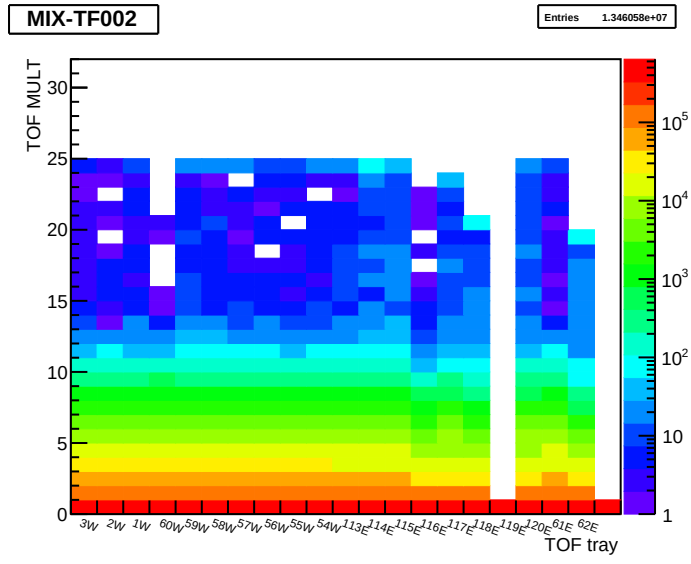

BunchId7Bit (EPD-TAC)
Entries 504294
10^4
10^3
10^2
10
0 20 40 60 80 100 120

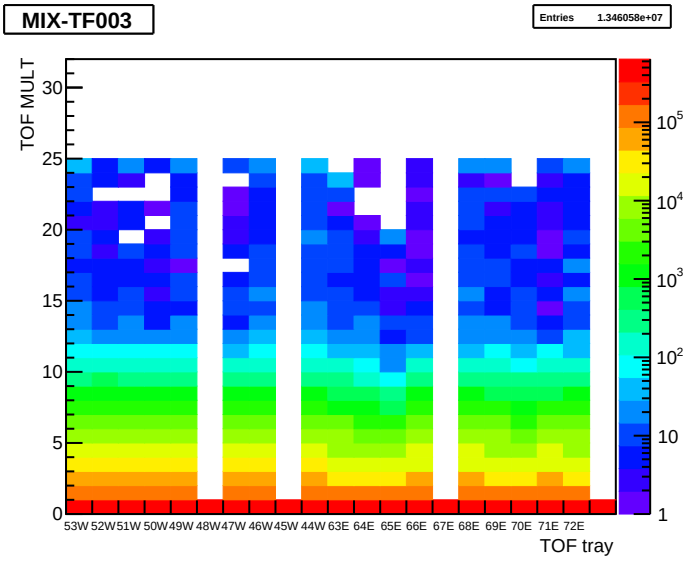

BunchId7Bit (BBC-TAC)
Entries 190131
10^3
10^2
10
1
0 20 40 60 80 100 120

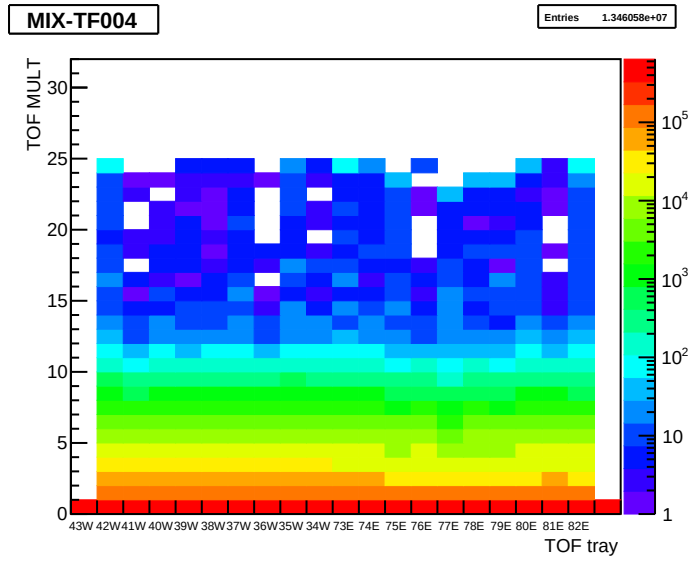

BunchId7Bit (Laser)
Entries 3437
0 20 40 60 80 100 120

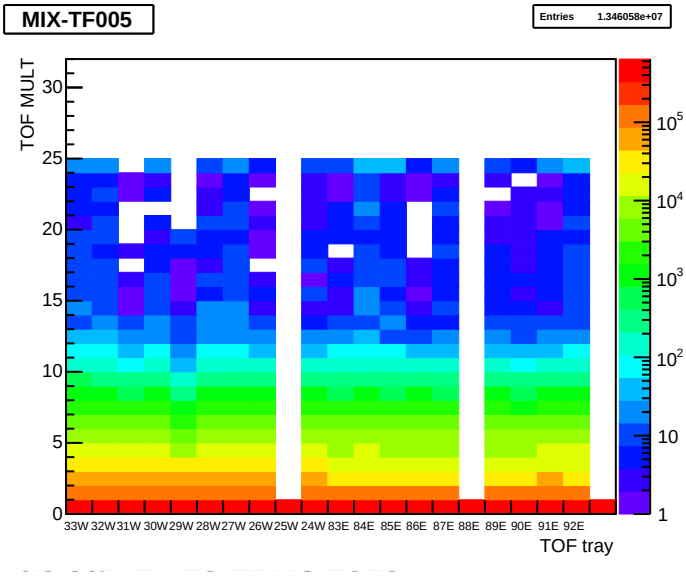

BunchId7Bit (TOFmult window)
Entries 18536
10^2
10
1
0 20 40 60 80 100 120

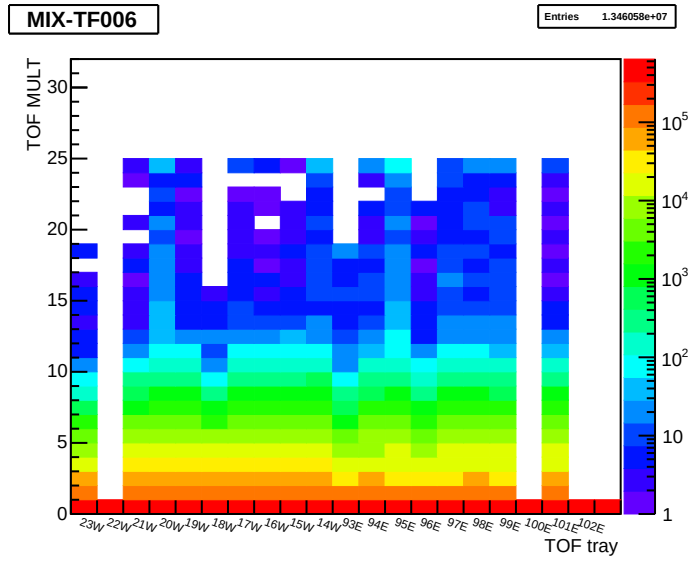

MIX-TF001
Entries 1.346058e+07
TOF MULT
TOF tray

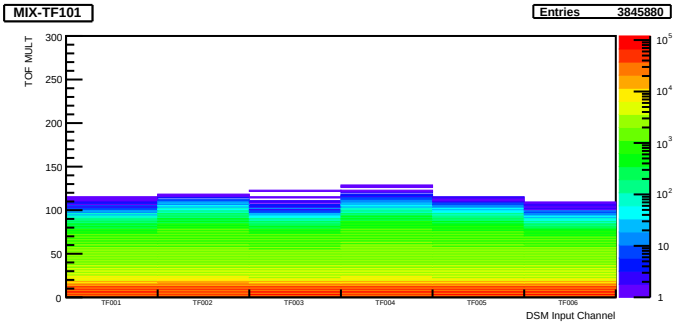

MIX-TF002
Entries 1.346058e+07
TOF MULT
TOF tray

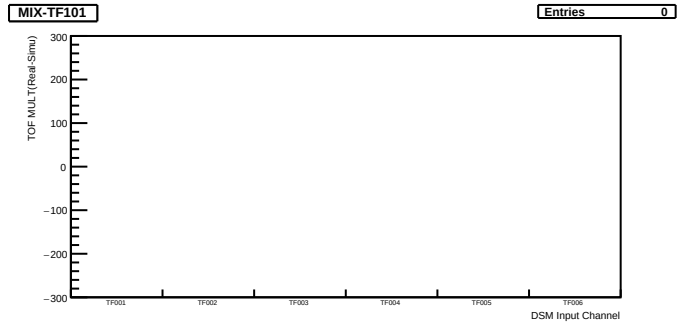

MIX-TF003
Entries 1.346058e+07
TOF MULT
TOF tray

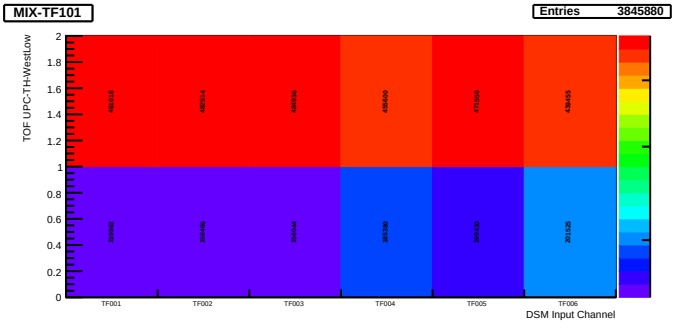

MIX-TF004
Entries 1.346058e+07
TOF MULT
TOF tray

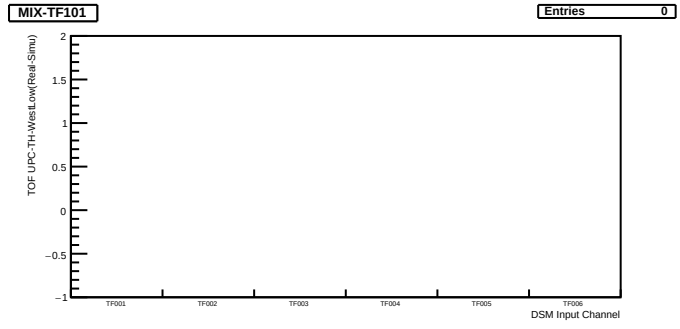

MIX-TF005
Entries 1.346058e+07
TOF MULT
TOF tray

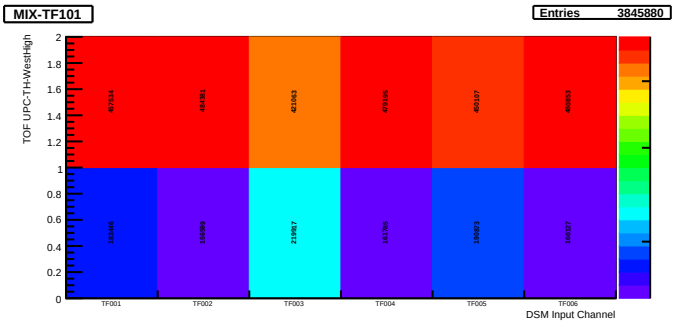

MIX-TF006
Entries 1.346058e+07
TOF MULT
TOF tray

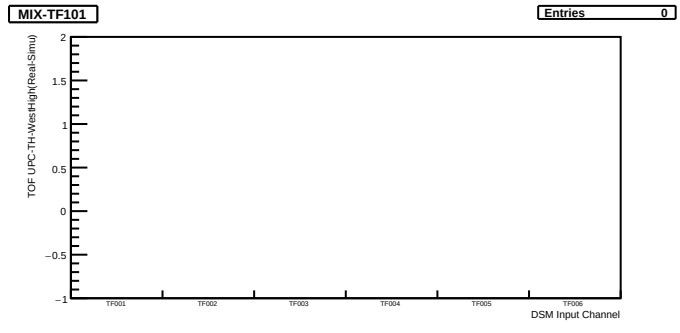

MIX-TF101
Entries 3845880
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

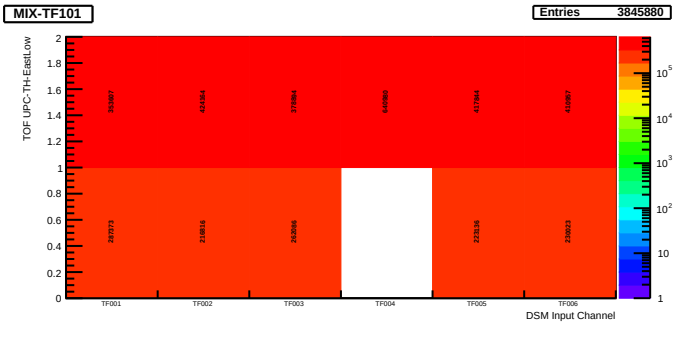

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

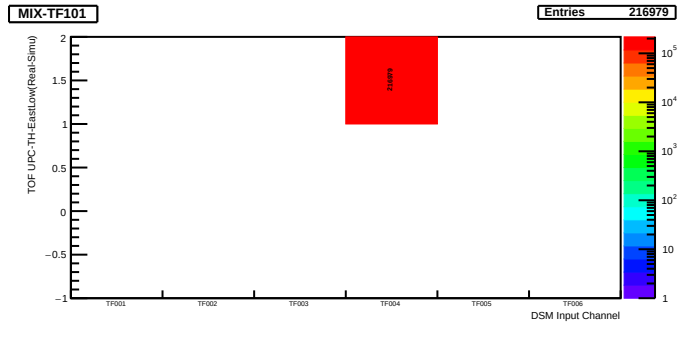

MIX-TF101
Entries 3845880
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

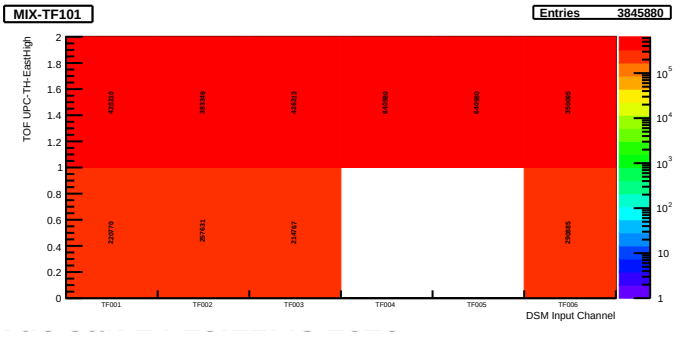

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

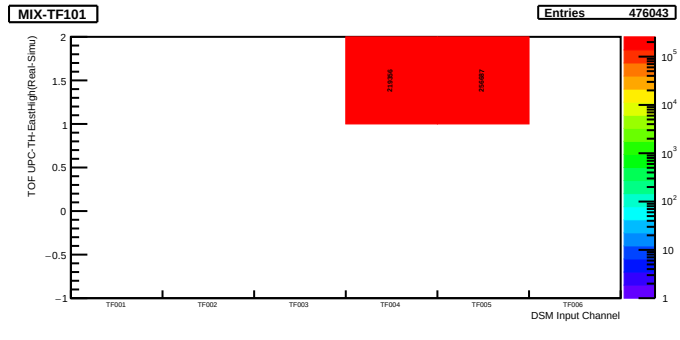

MIX-TF101
Entries 3845880
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

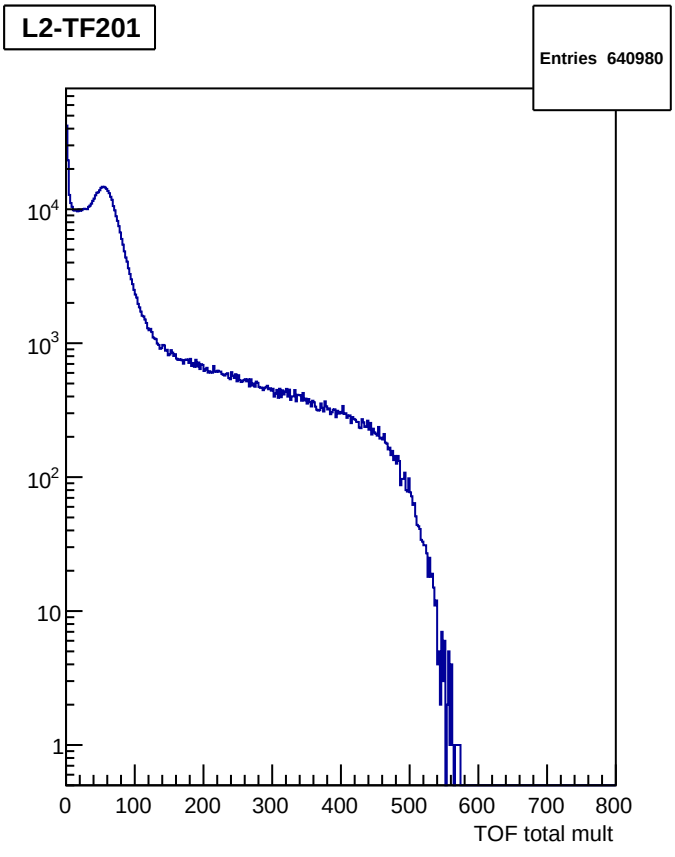

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

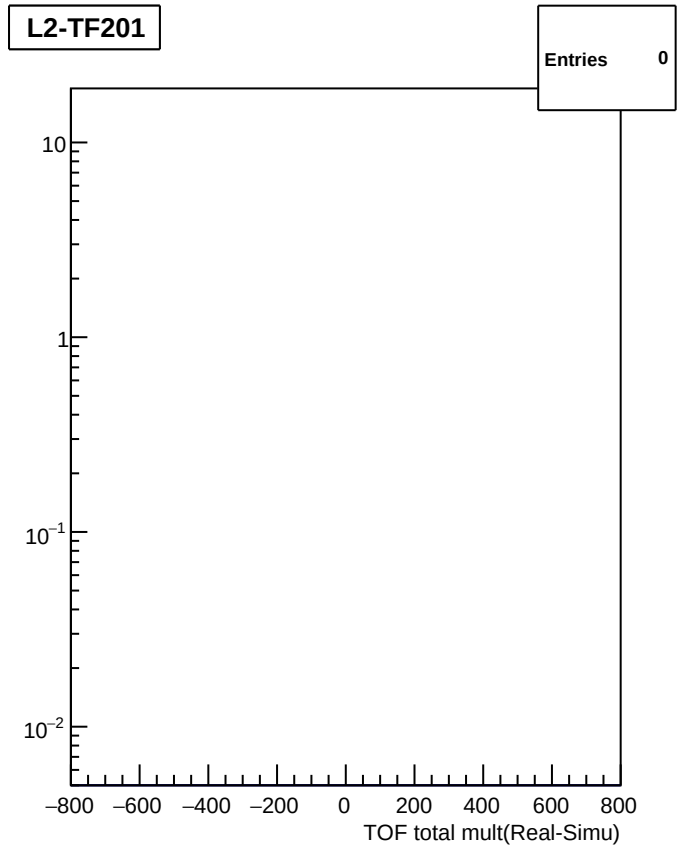

MIX-TF101
Entries 3845880
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

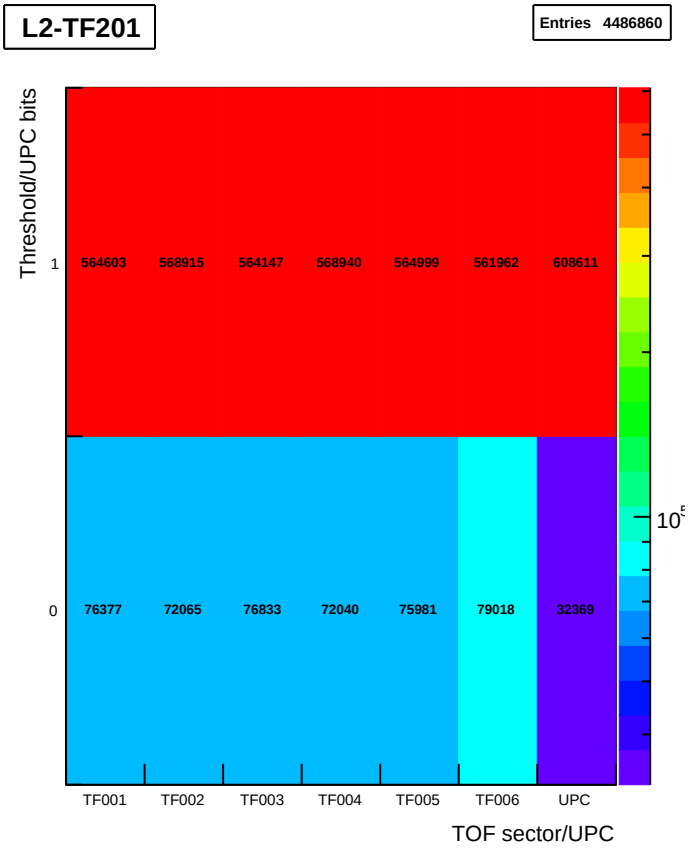

MIX-TF101
Entries 216979
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

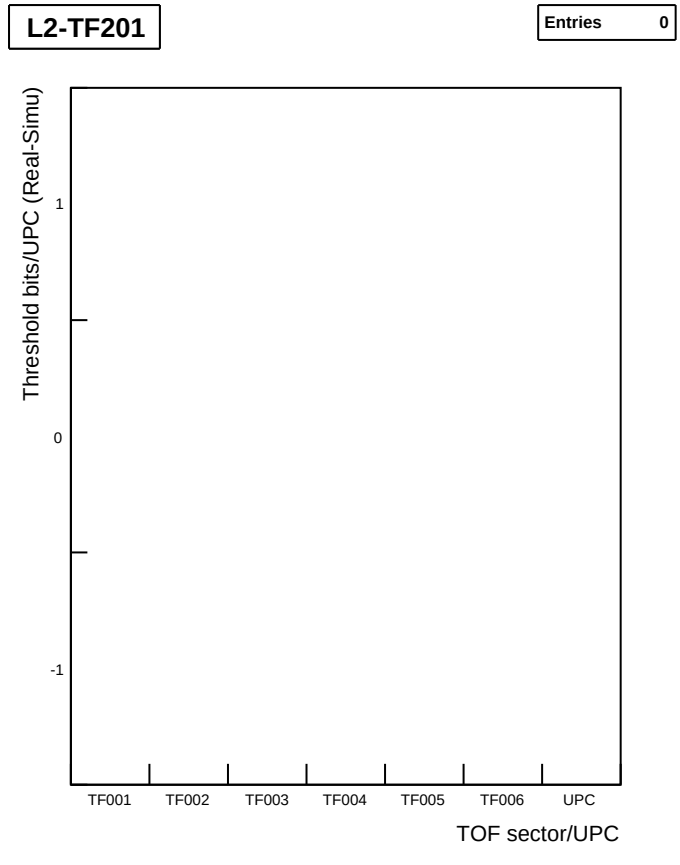

MIX-TF101
Entries 3845880
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

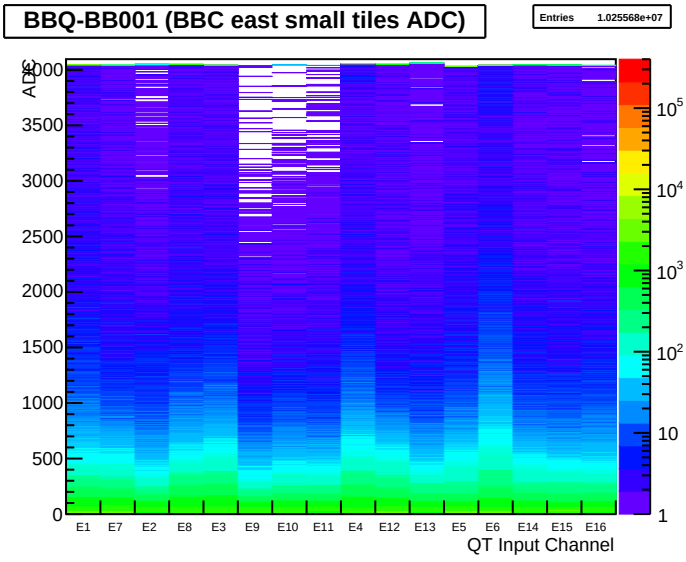

MIX-TF101
Entries 476043
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

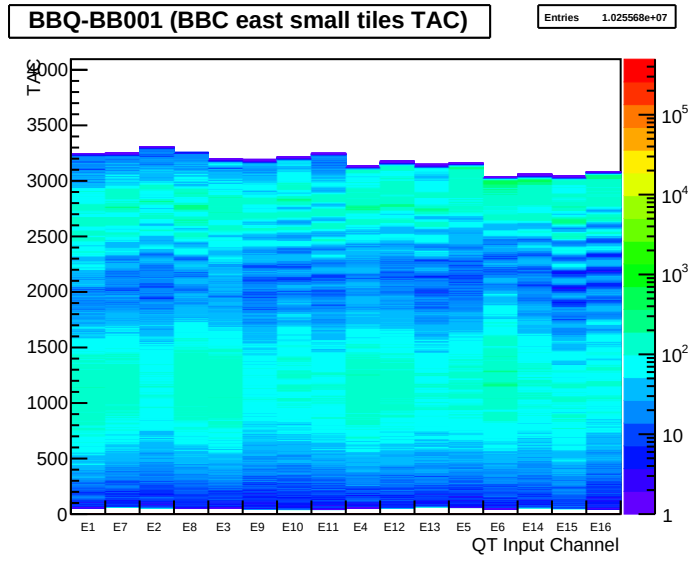

L2-TF201
Entries 640980
TOF total mult

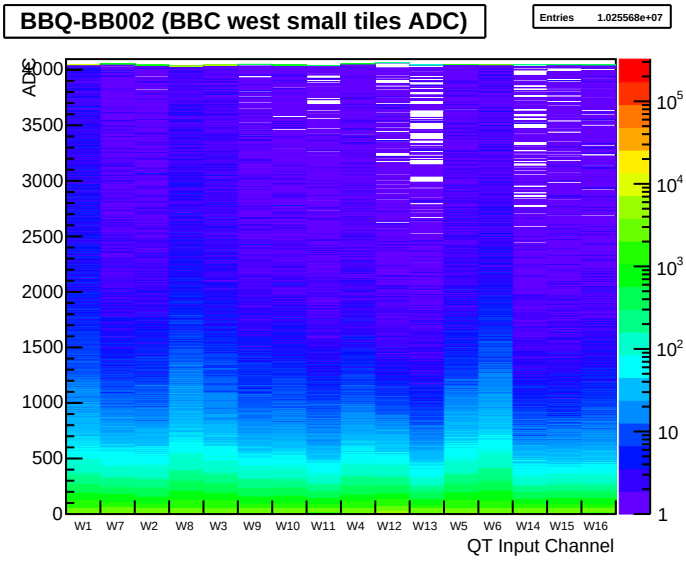

L2-TF201
Entries 0
TOF total mult(Real-Simu)

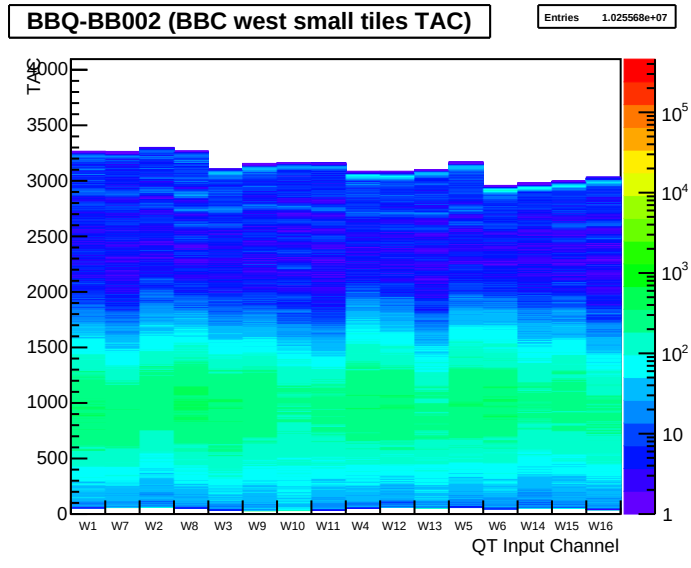

L2-TF201
Entries 4486860
Threshold/UPC bits
564603 568915 564147 568940 564999 561962 608611
76377 72065 76833 72040 75981 79018 32369
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

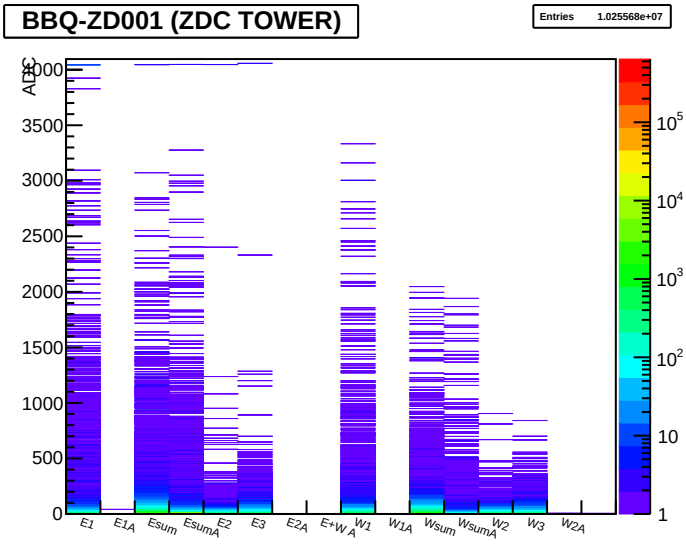

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

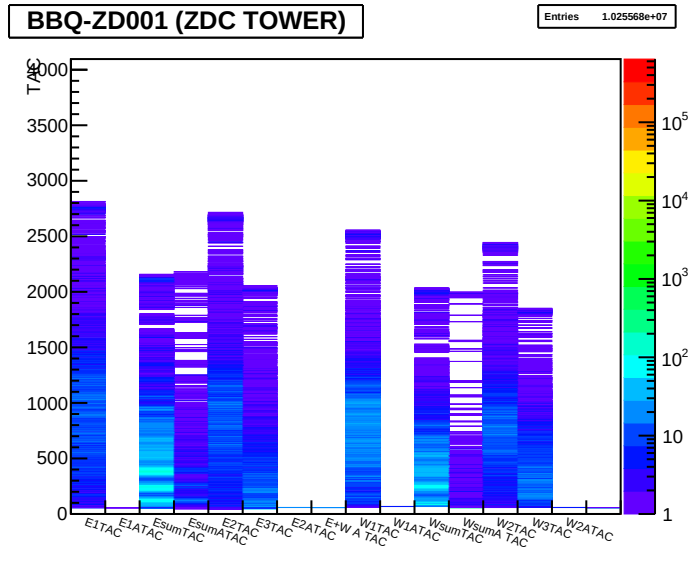

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.025568e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

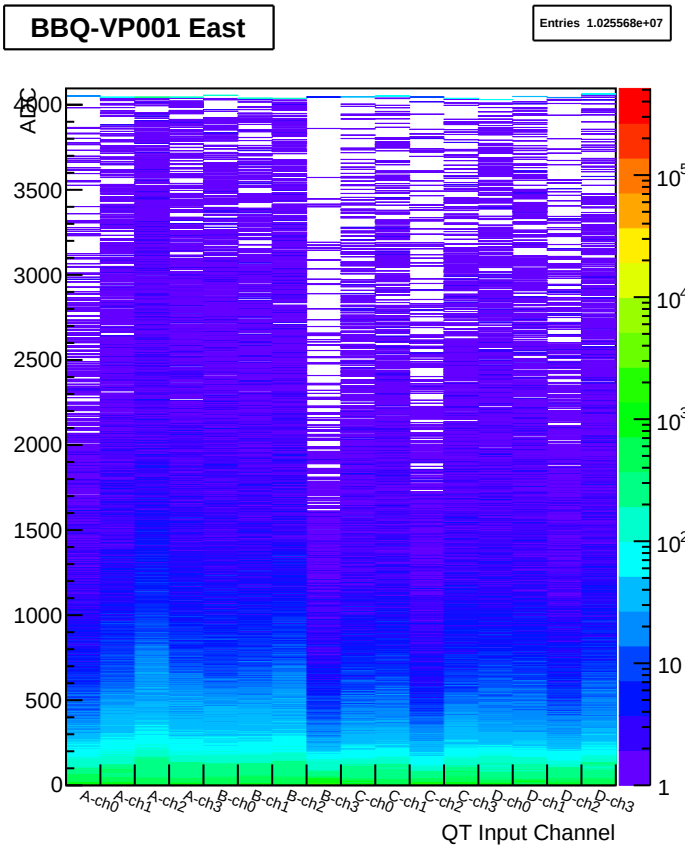

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.025568e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

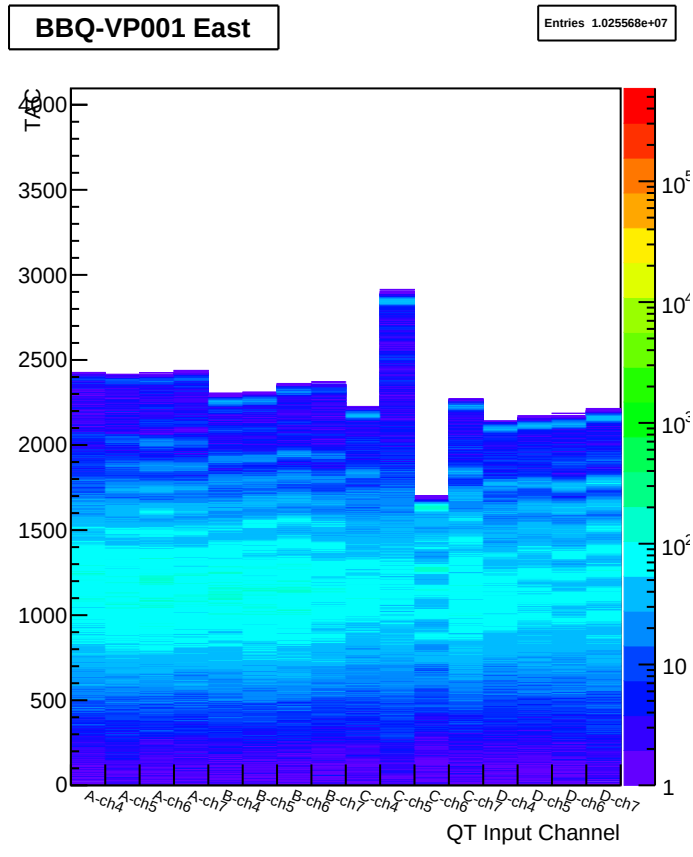

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.025568e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

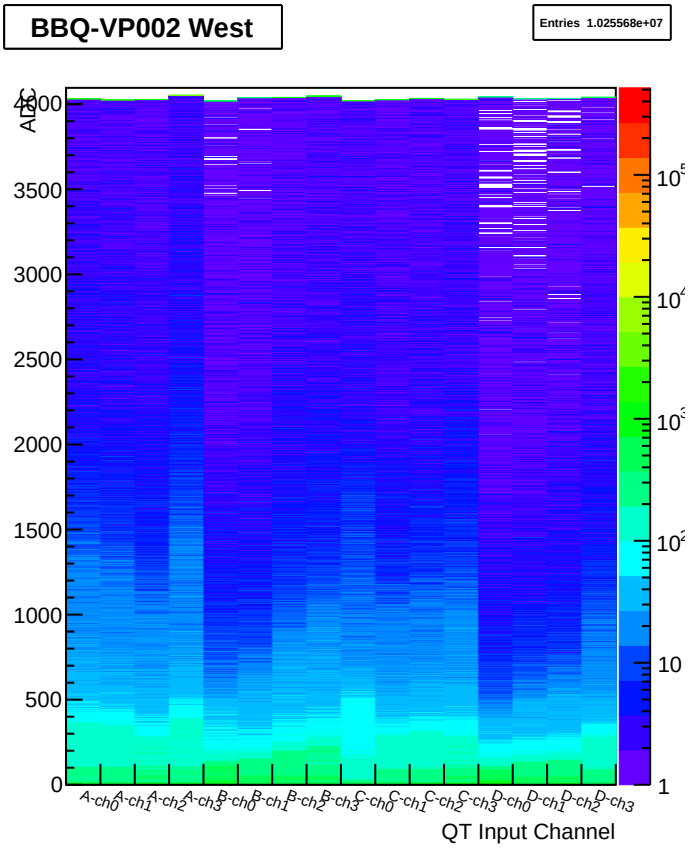

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.025568e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

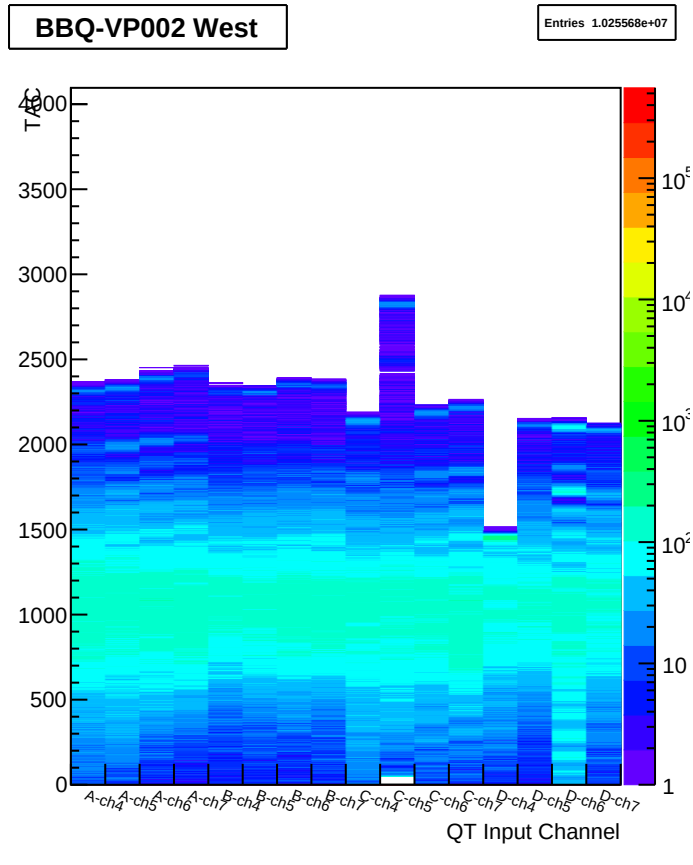

BBQ-ZD001 (ZDC TOWER)
Entries 1.025568e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

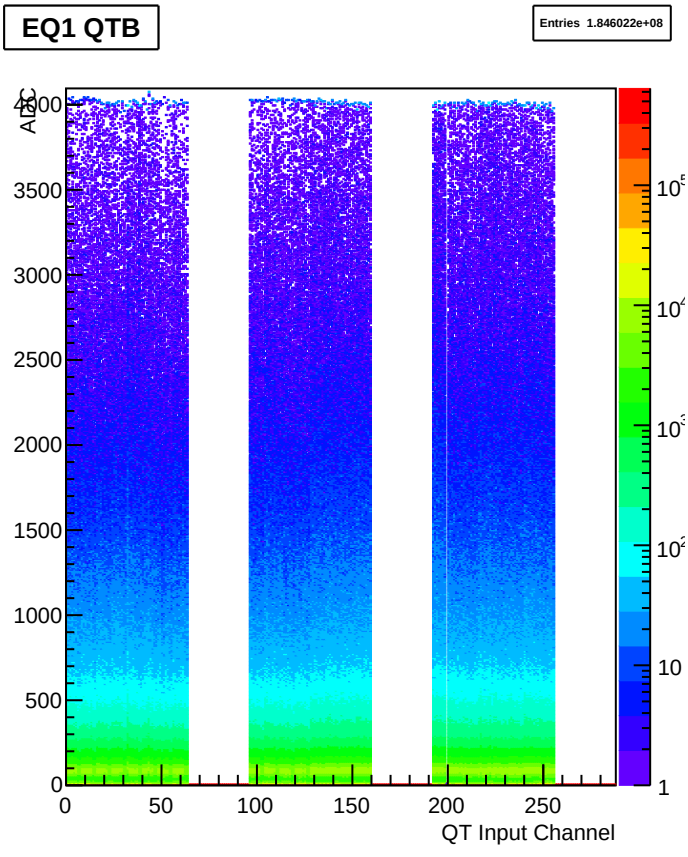

BBQ-ZD001 (ZDC TOWER)
Entries 1.025568e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

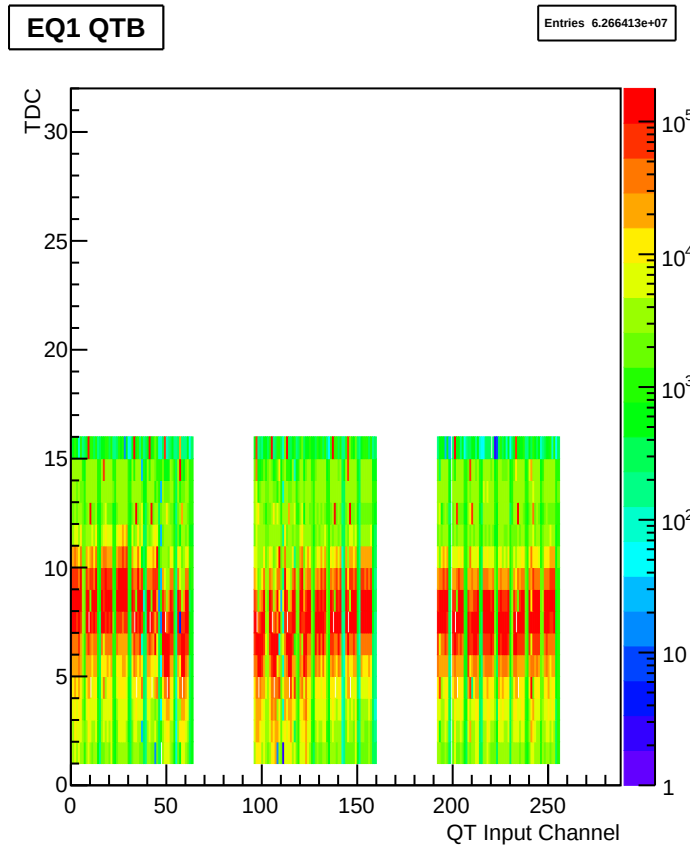

BBQ-VP001 East
Entries 1.025568e+07
ADC
QT Input Channel

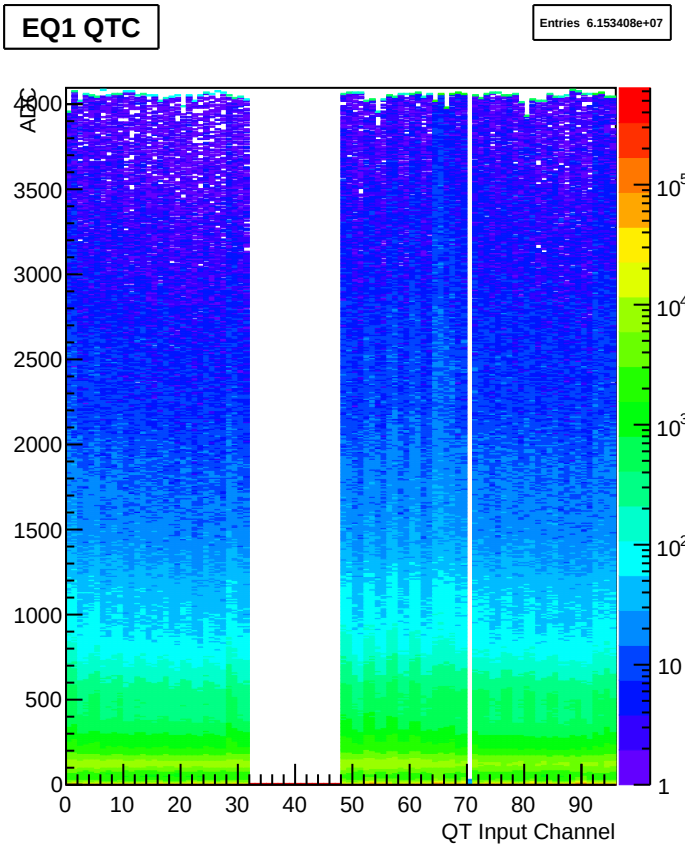

BBQ-VP001 East
Entries 1.025568e+07
TADC
QT Input Channel

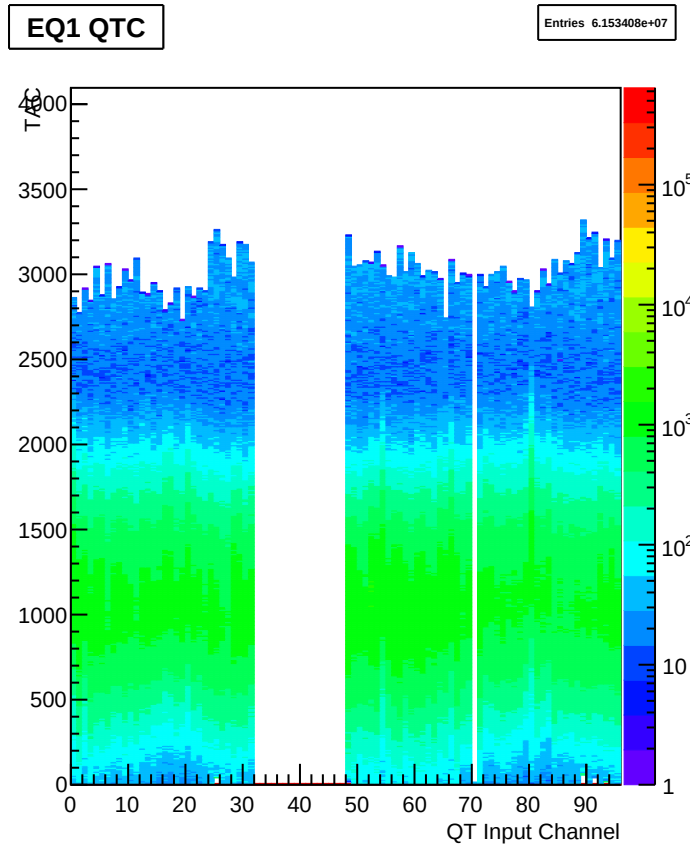

BBQ-VP002 West
Entries 1.025568e+07
ADC
QT Input Channel

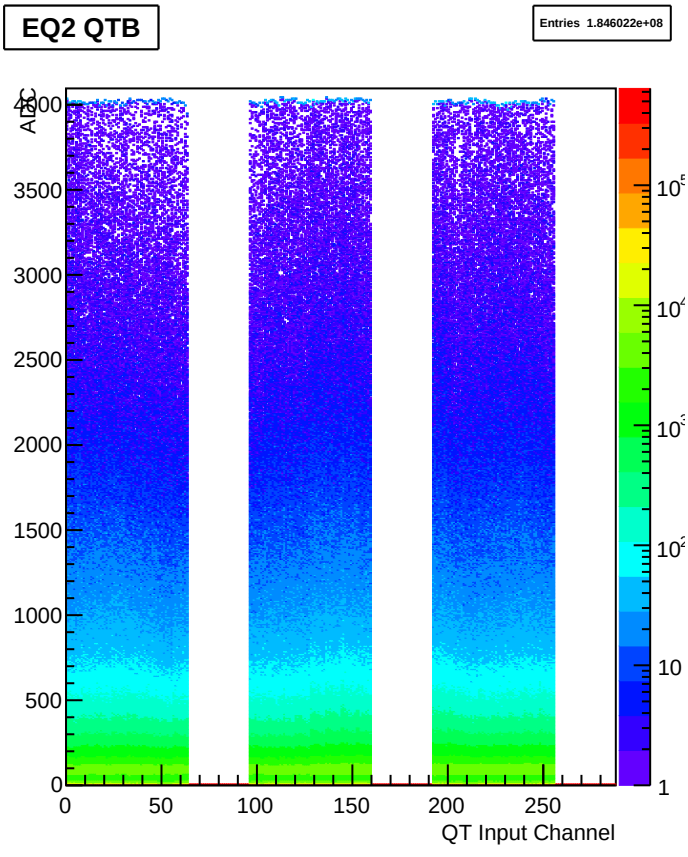

BBQ-VP002 West
Entries 1.025568e+07
TADC
QT Input Channel

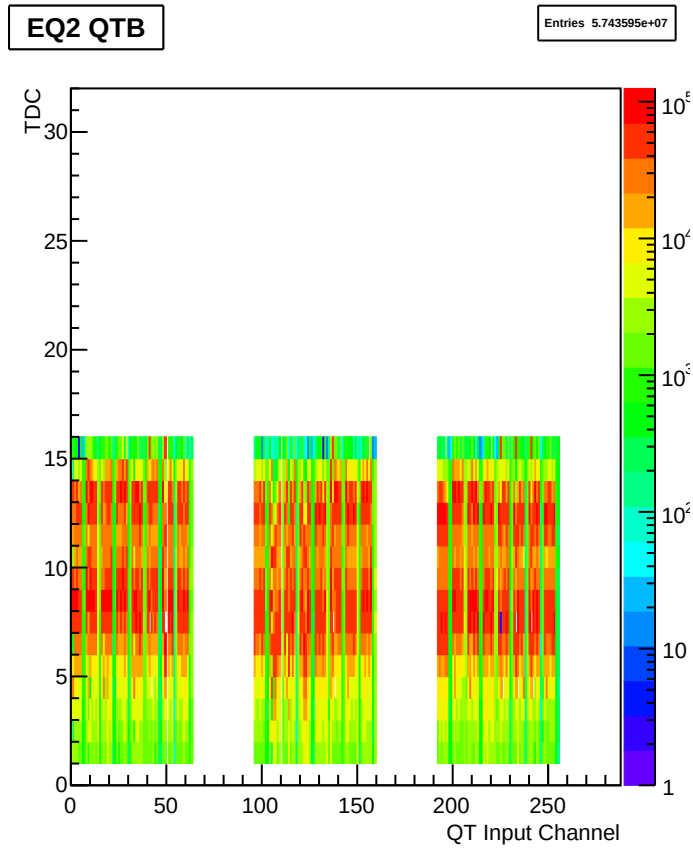

EQ1 QTB
Entries 1.846022e+08
ADC
QT Input Channel

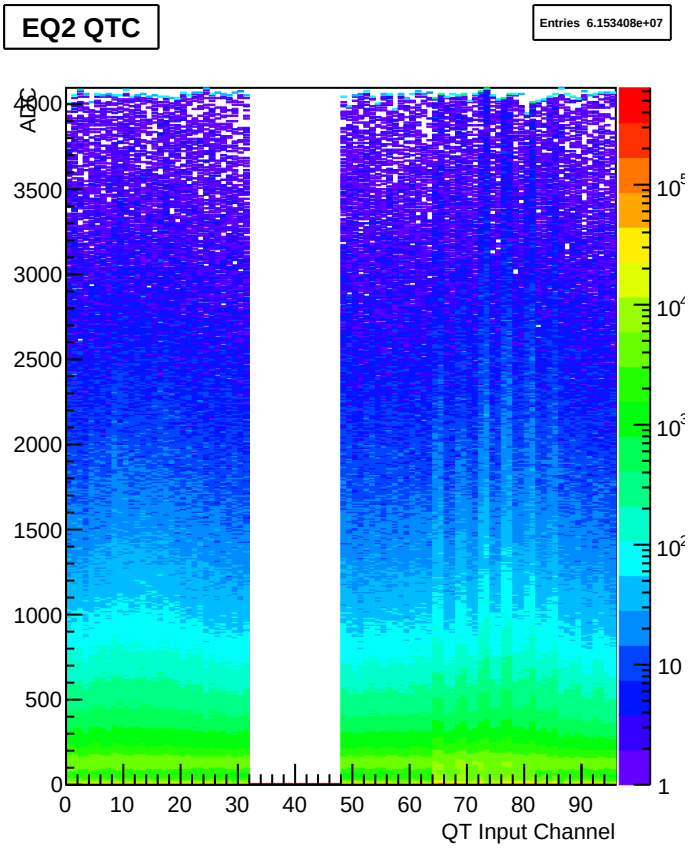

EQ1 QTB
Entries 6.266413e+07
TDC
QT Input Channel

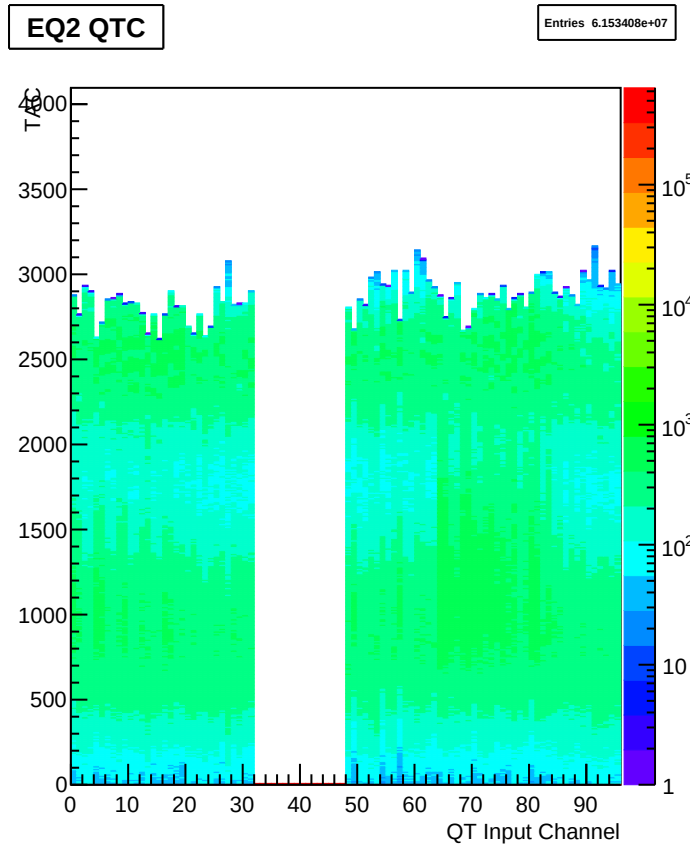

EQ1 QTC
Entries 6.153408e+07
ADC
QT Input Channel

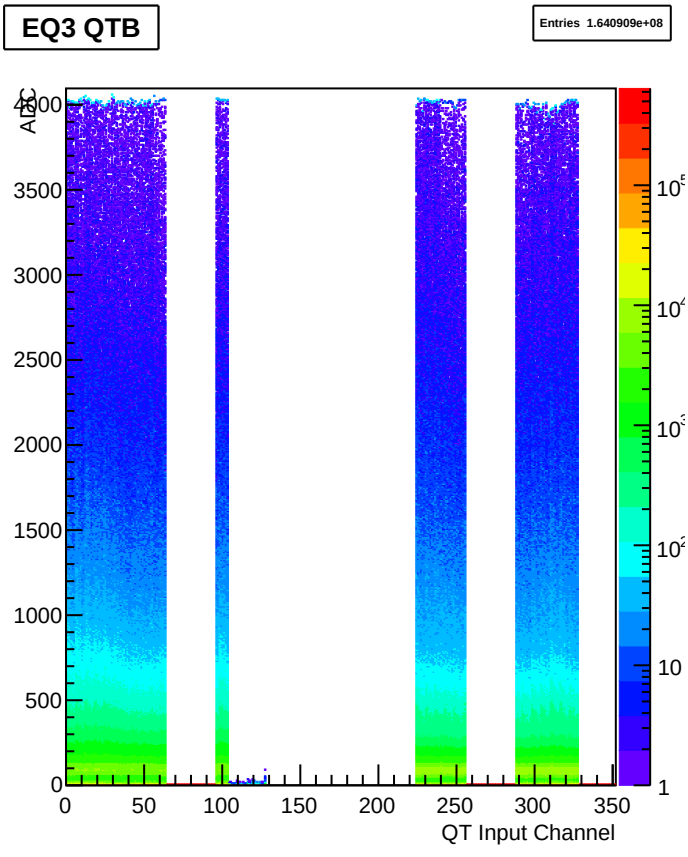

EQ1 QTC
Entries 6.153408e+07
TADC
QT Input Channel

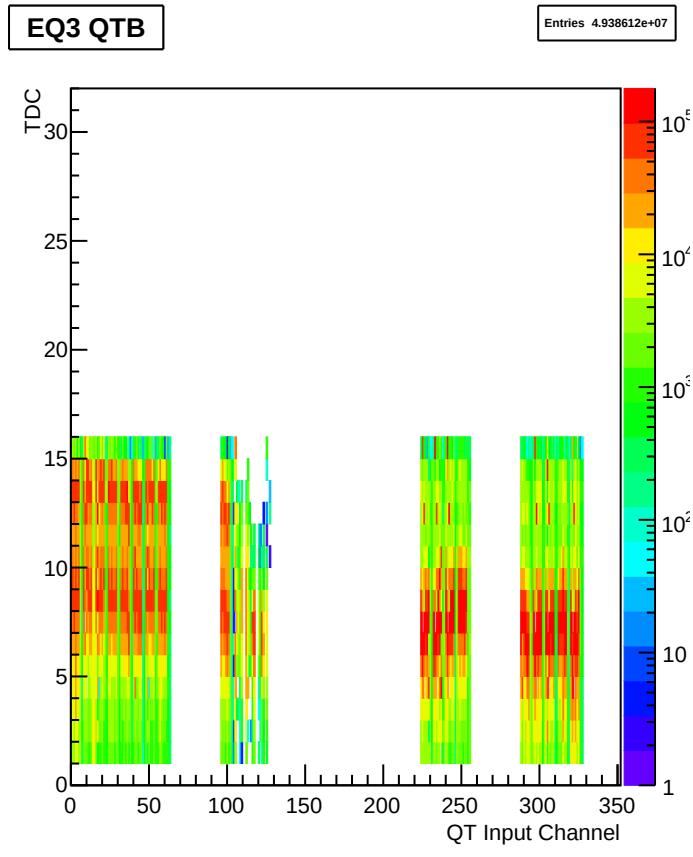

EQ2 QTB
Entries 1.846022e+08
ADC
QT Input Channel

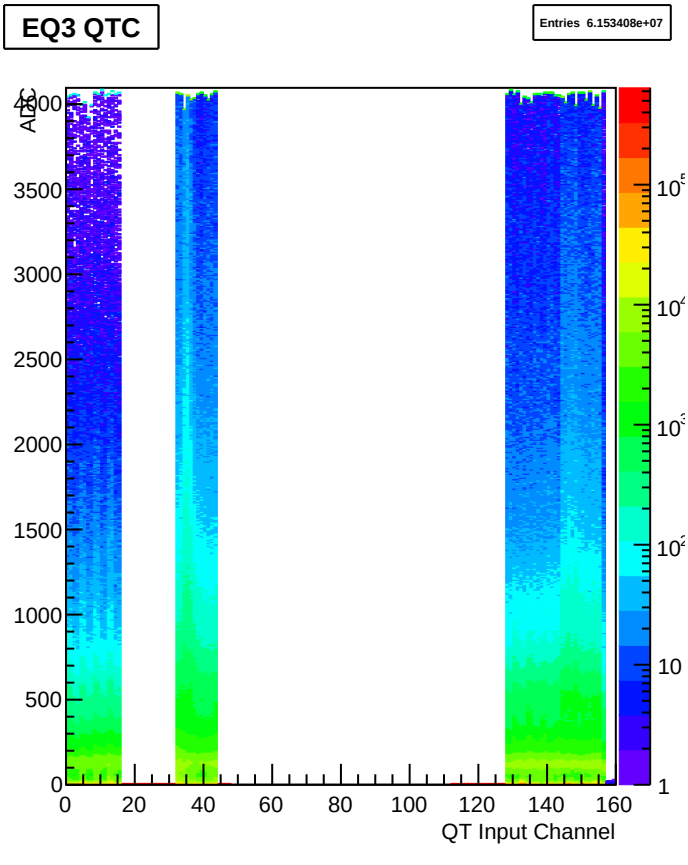

EQ2 QTB
Entries 5.743595e+07
TDC
QT Input Channel

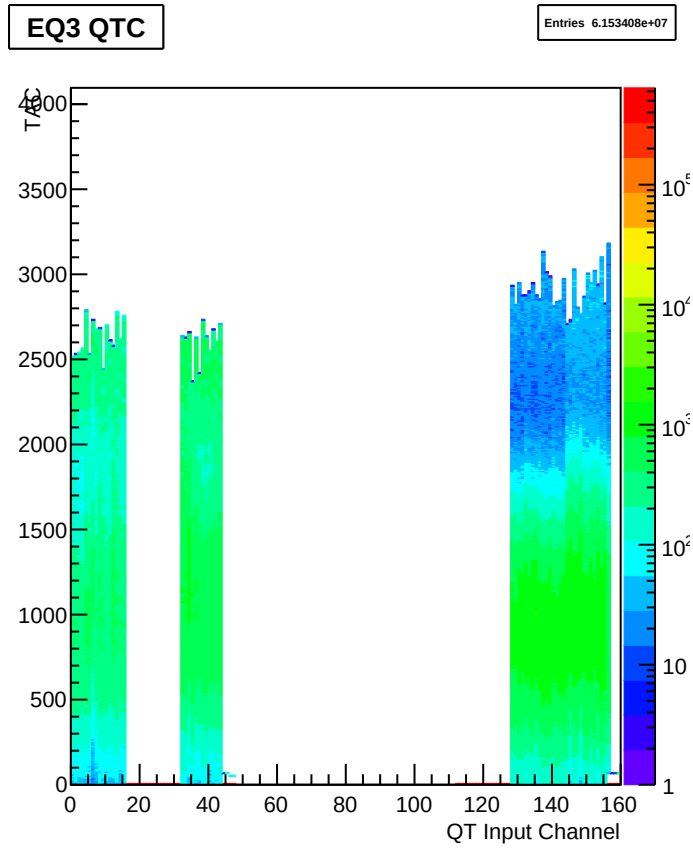

EQ2 QTC
Entries 6.153408e+07
ADC
QT Input Channel

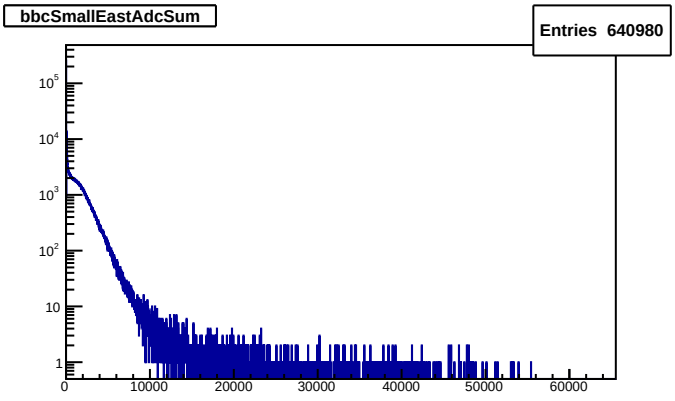

EQ2 QTC
Entries 6.153408e+07
TADC
QT Input Channel

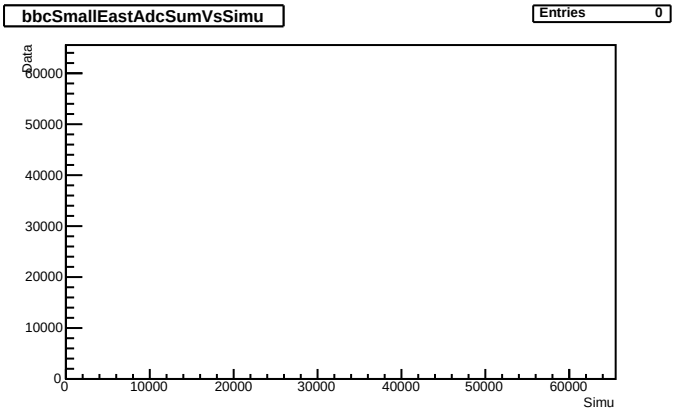

EQ3 QTB
Entries 1.640909e+08
ADC
QT Input Channel

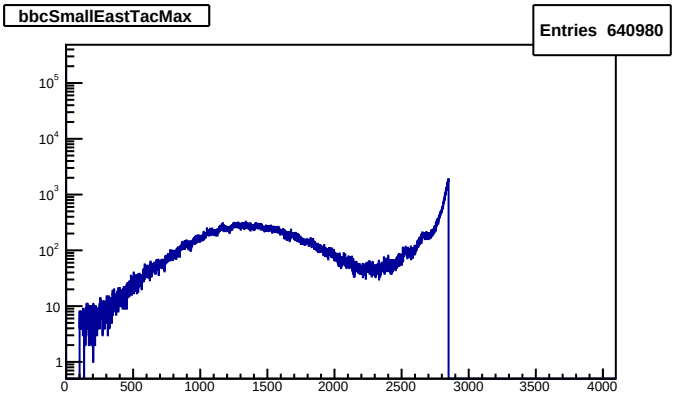

EQ3 QTB
Entries 4.938612e+07
TDC
QT Input Channel

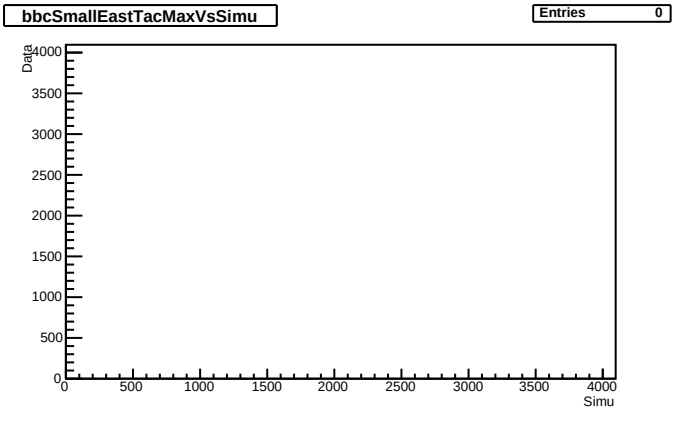

EQ3 QTC
Entries 6.153408e+07
ADC
QT Input Channel

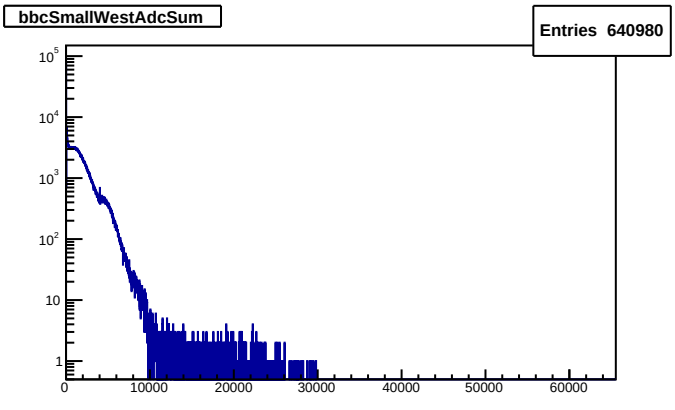

EQ3 QTC
Entries 6.153408e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 640980


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 640980


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu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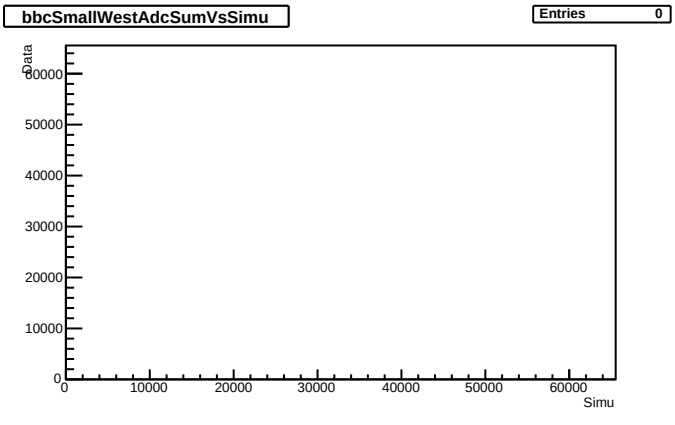
Entries 640980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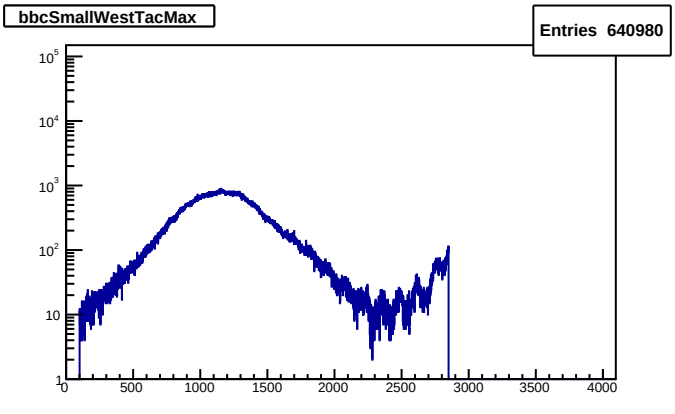
Entries 0
Data
Simu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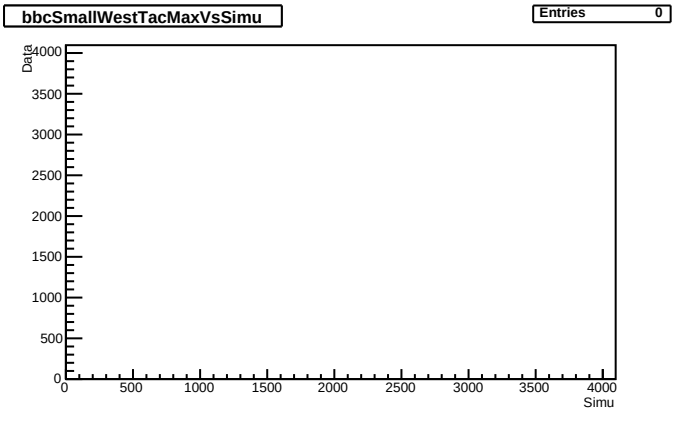
Entries 640980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Entries 0
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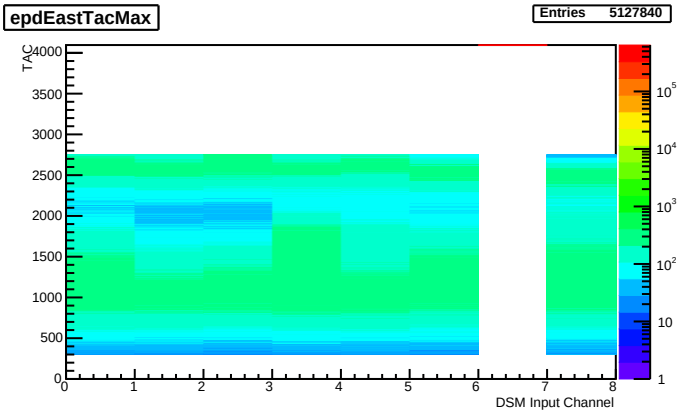
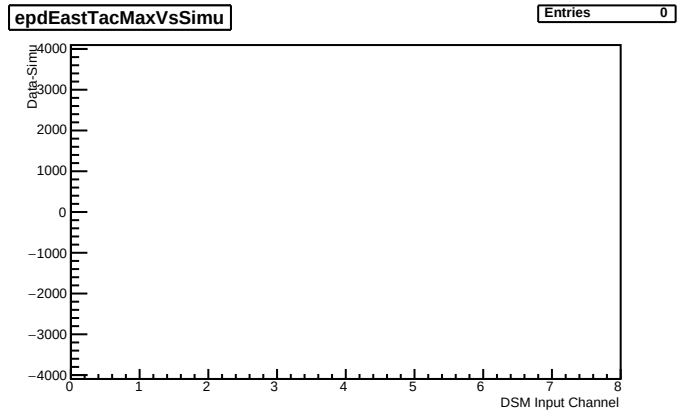
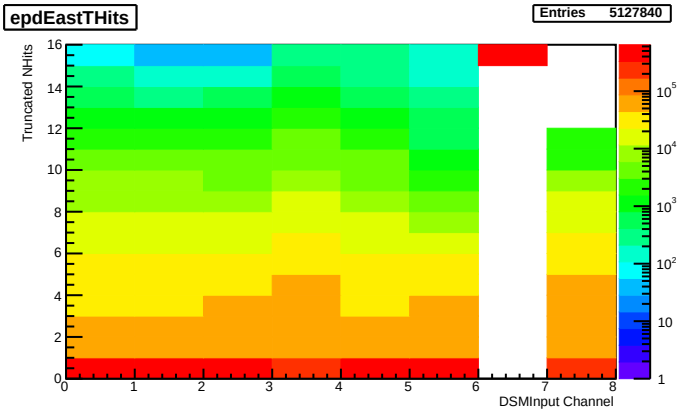
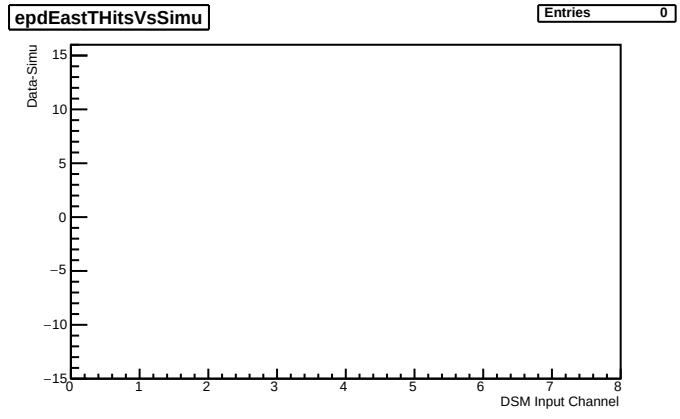
Simu


epdEastTacMax
Entries 5127840
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5127840
Truncated NHits
DSMInput Channel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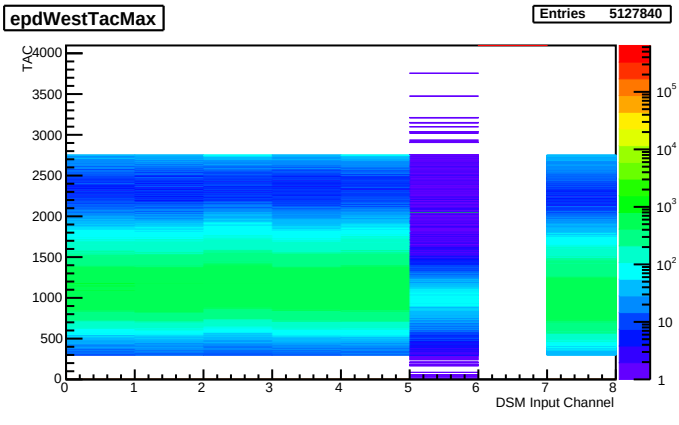
DSM Input Channel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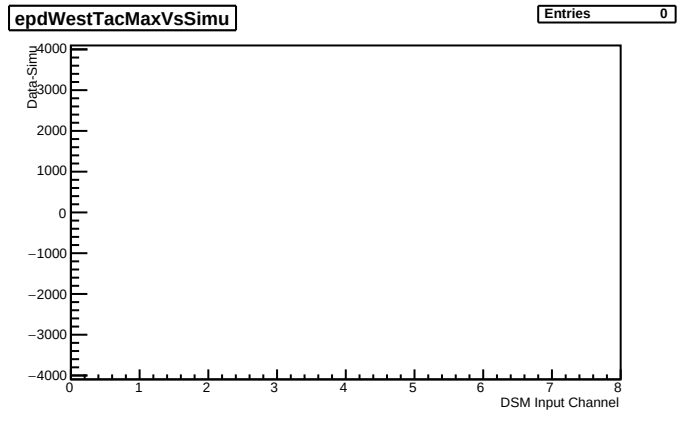
DSM Input Channel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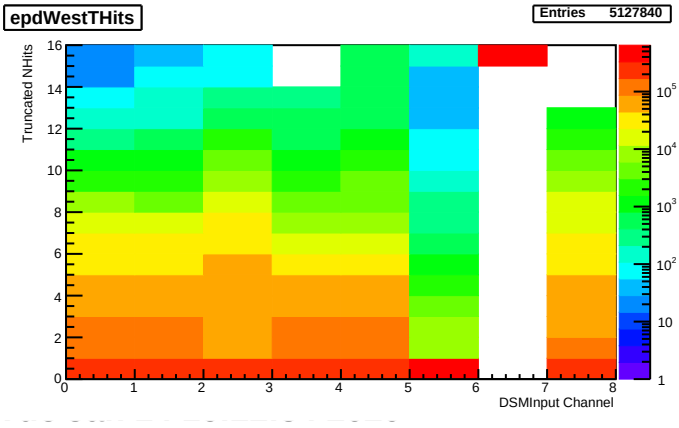
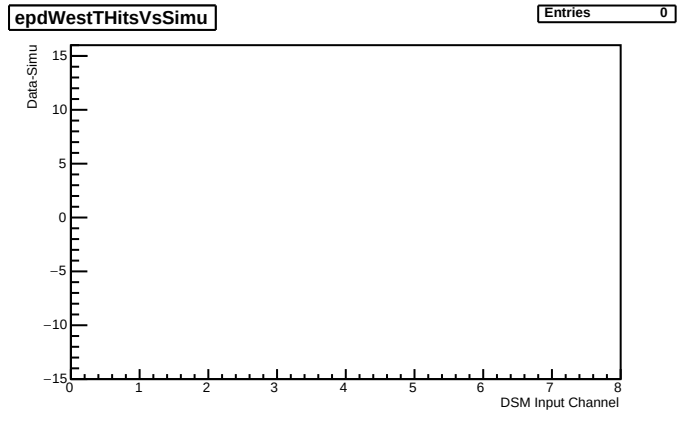
Data-Simu
DSM Input Channel


epdWestTHits
Entries 5127840
Truncated NHits
DSMInput Channel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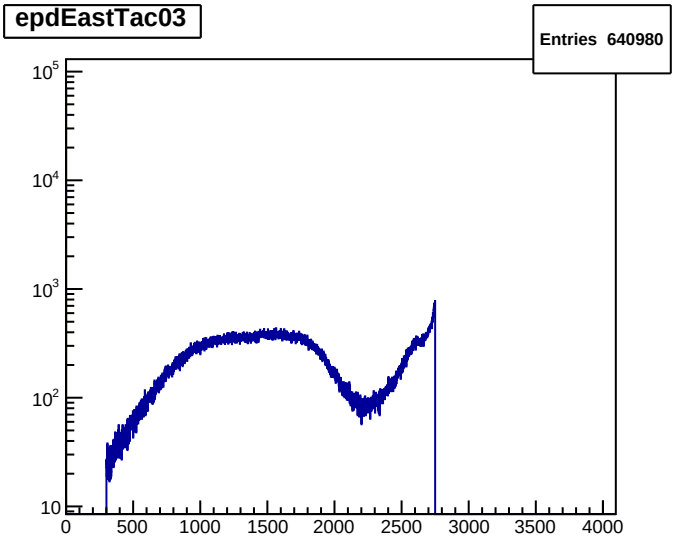
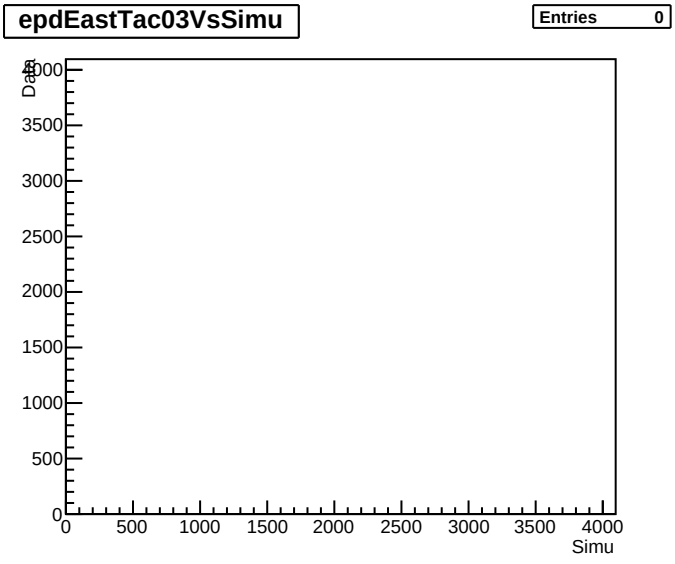
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 640980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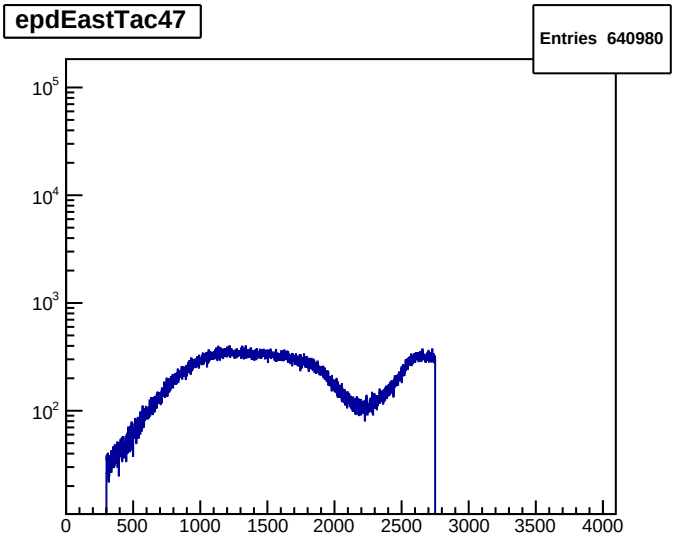
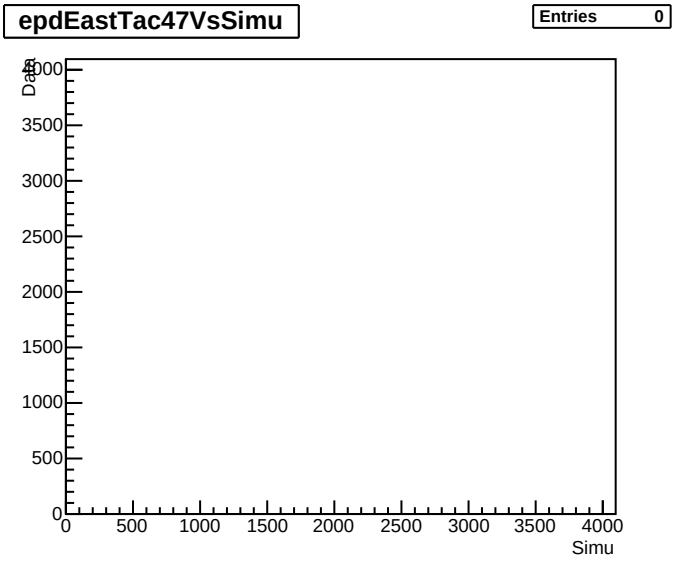
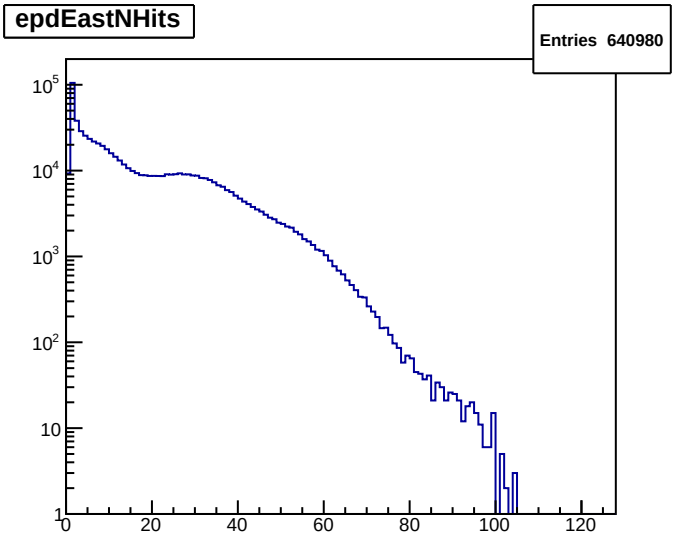
Entries 0
Data
Simu


epdEastTac47
Entries 640980


epdEastTac47VsSimu
Entries 0
Data
Simu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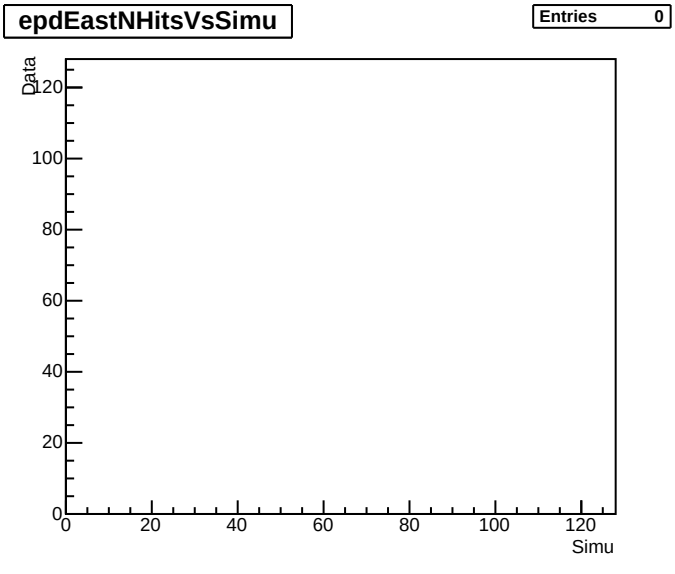
Entries 640980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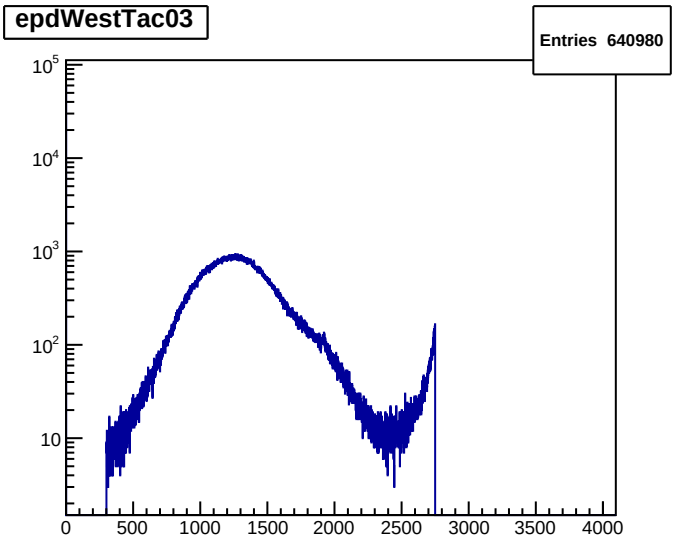
Data
Simu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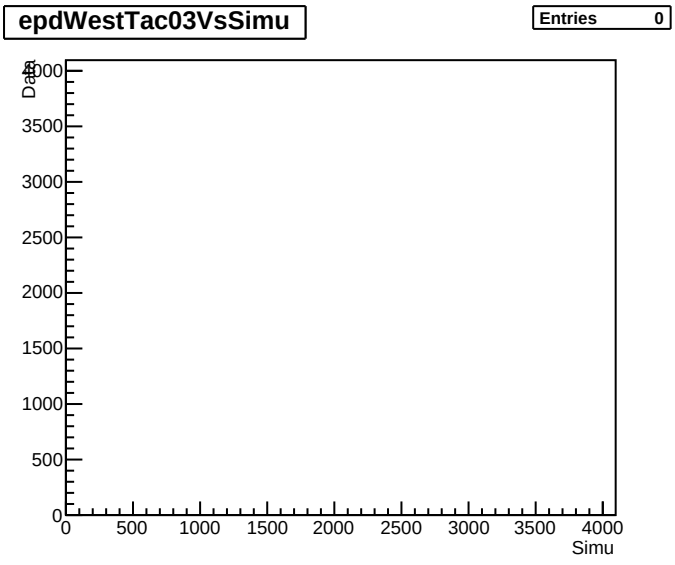
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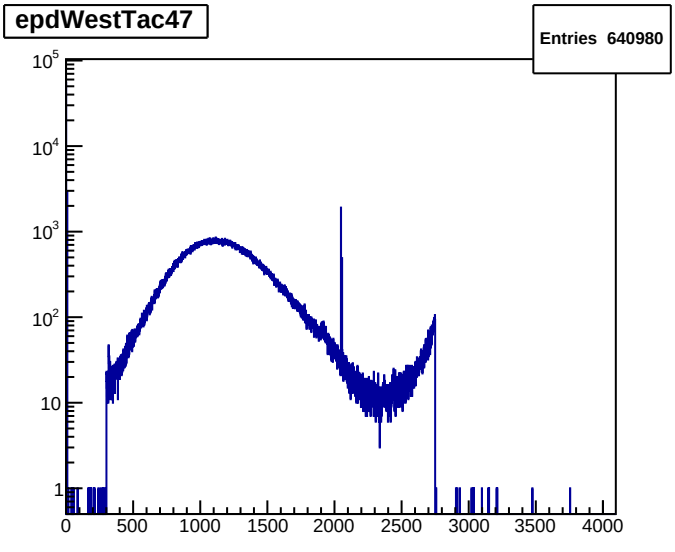
Entries 0
Data
Simu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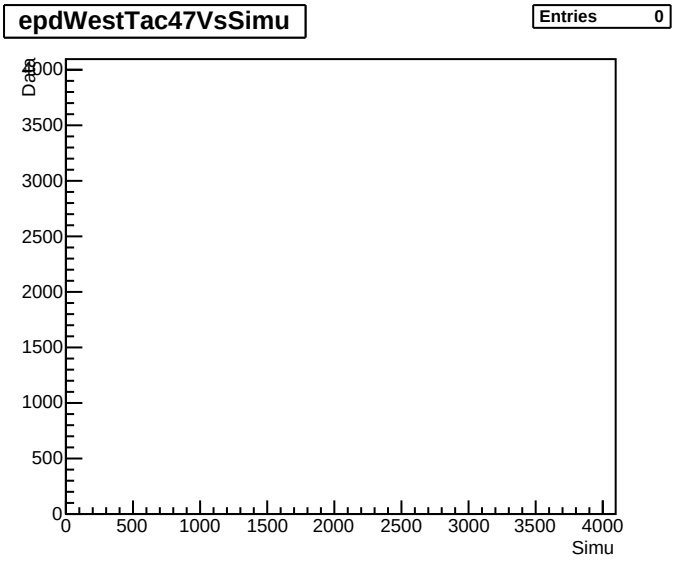
Entries 640980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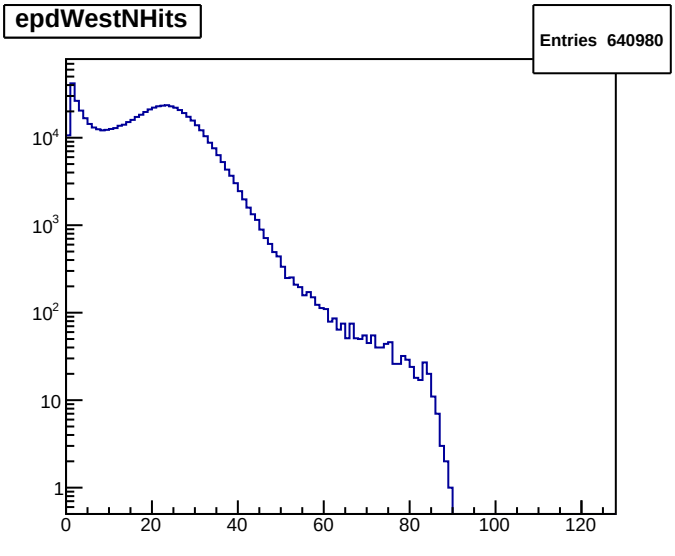
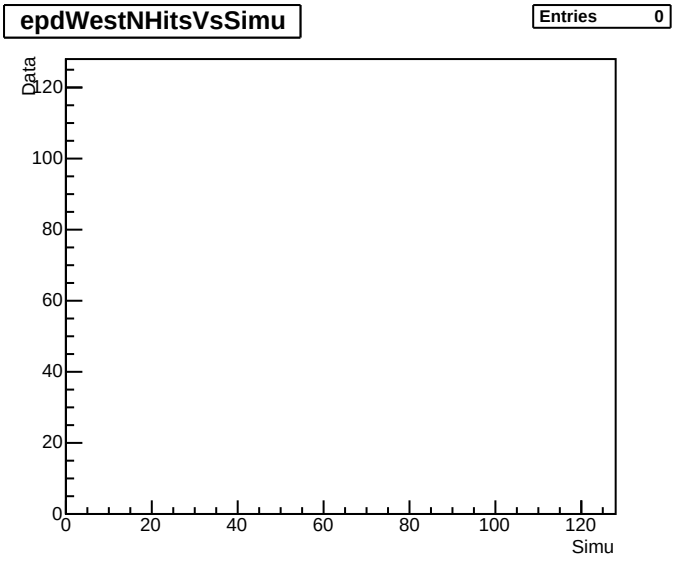
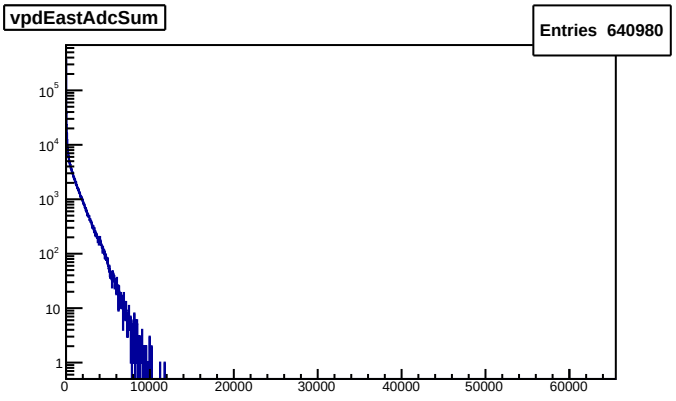
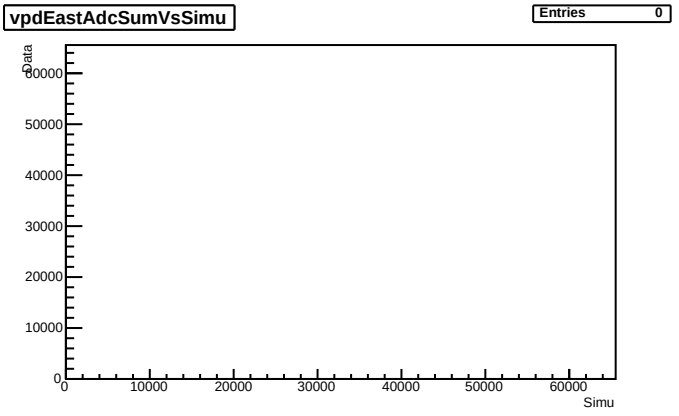
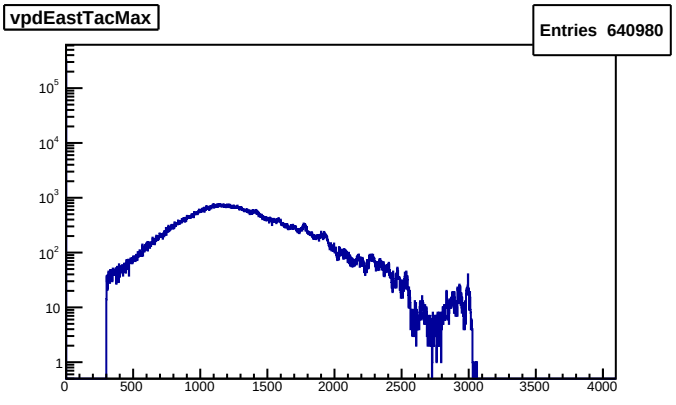
Entries 0
Data
Simu


epdWestNHits
Entries 640980


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 640980


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
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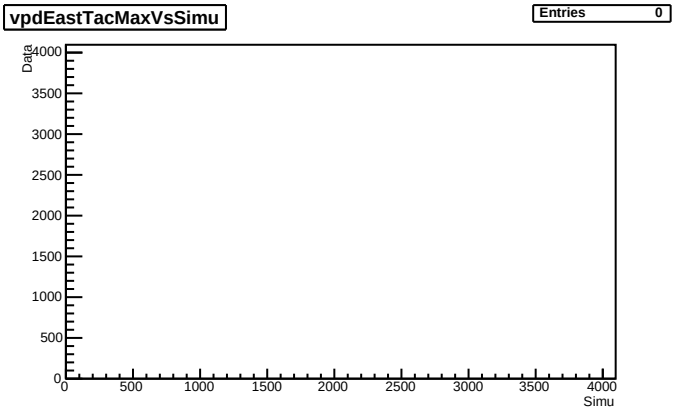
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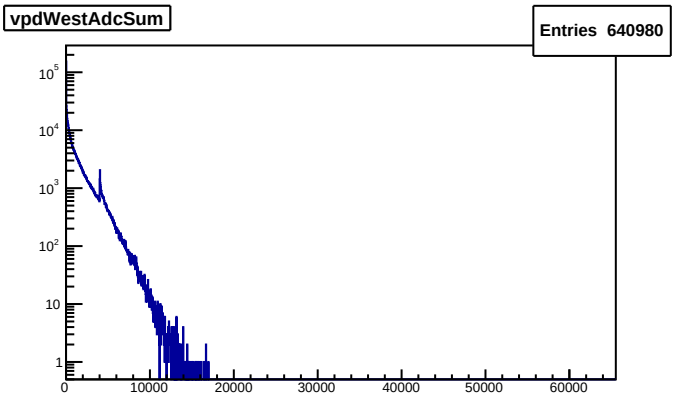
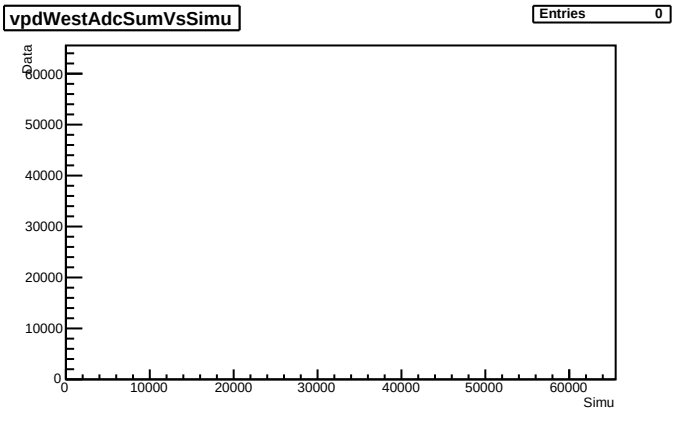
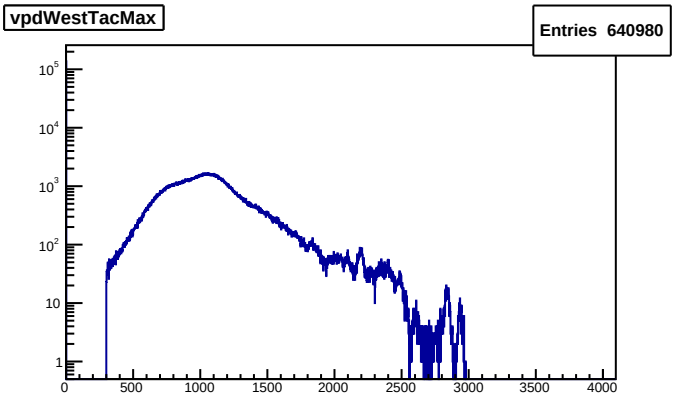
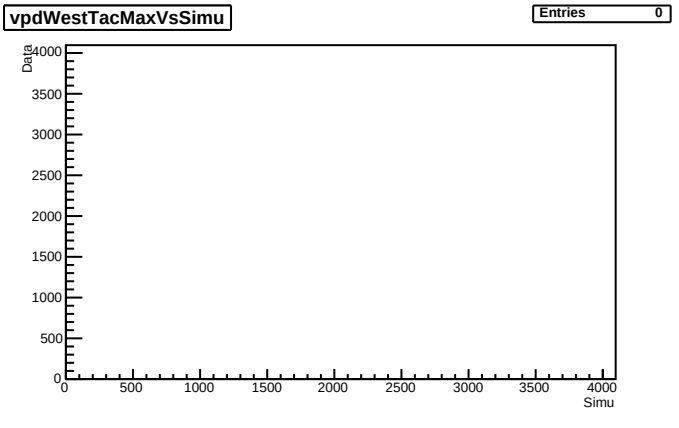
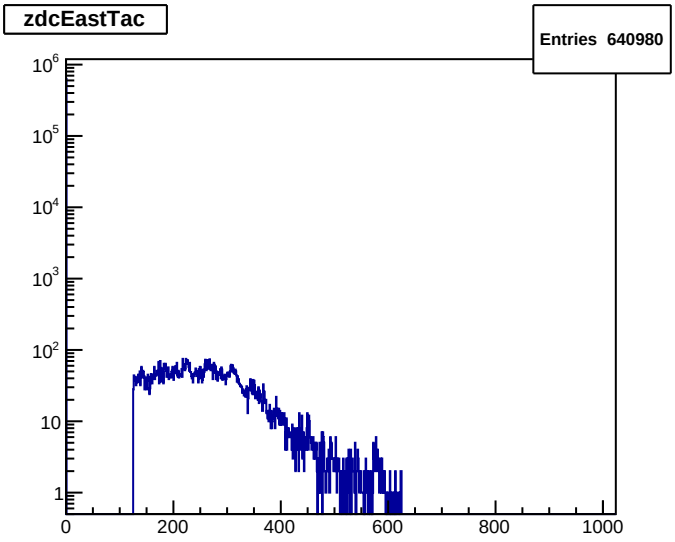
Entries 0
Data
Simu

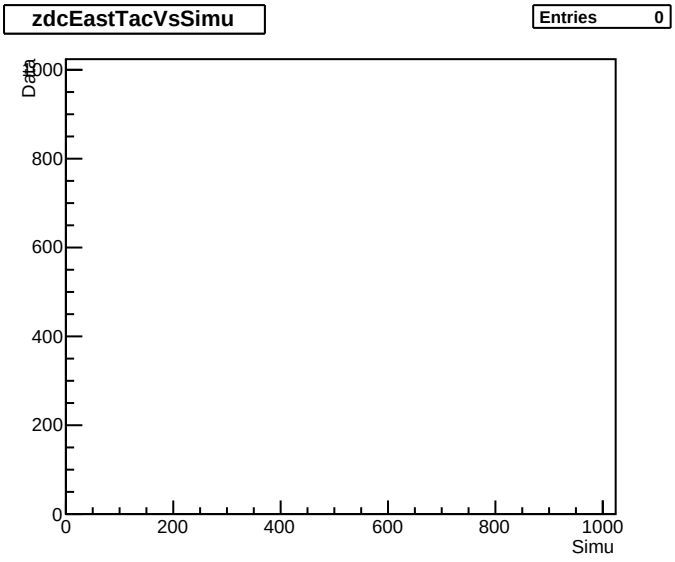

vpdWestAdcSum
Entries 640980

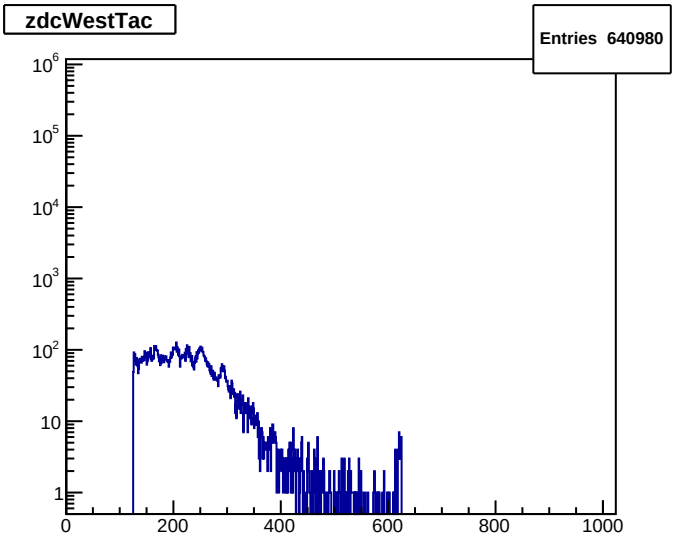

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

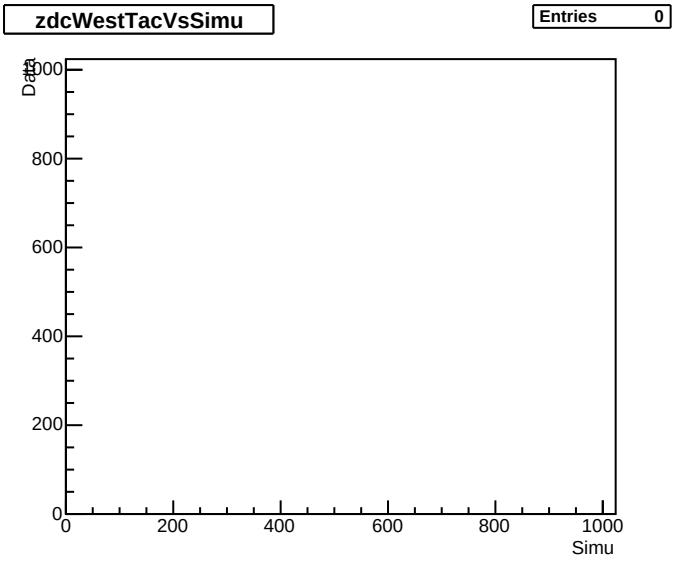

vpdWestTacMax
Entries 640980

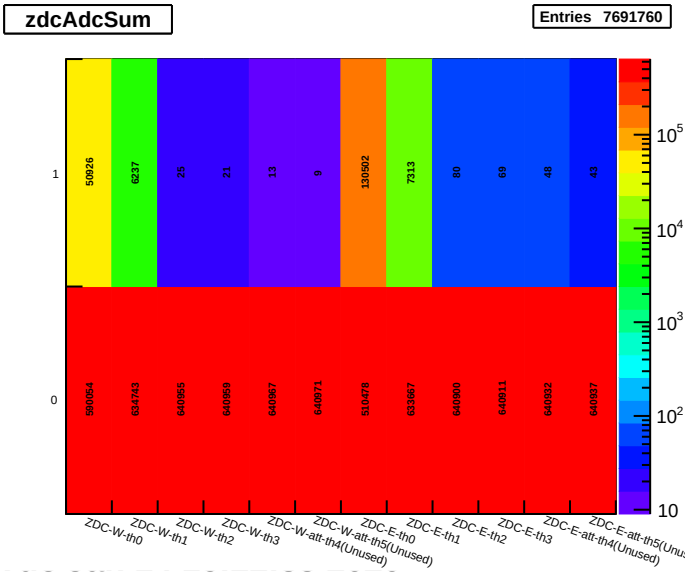

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

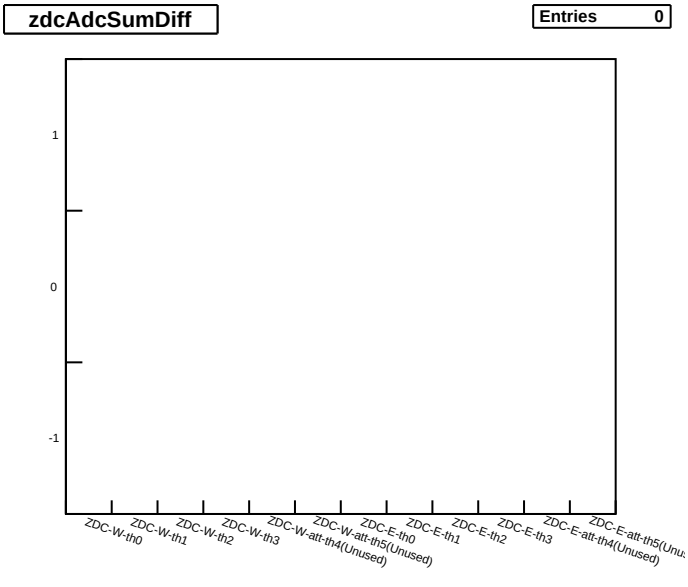

zdcEastTac
Entries 640980

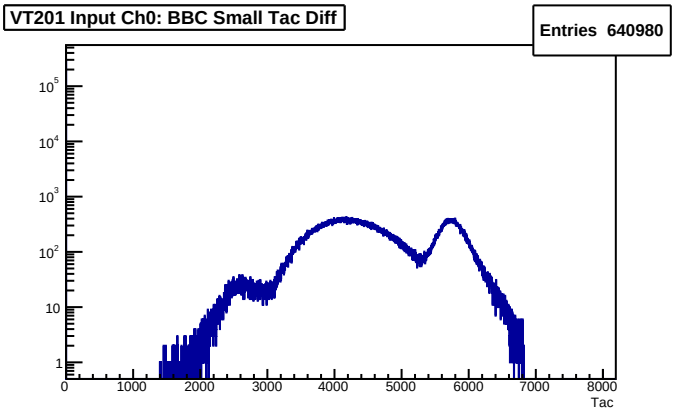

zdcEastTacVsSimu
Entries 0
Data
Simu

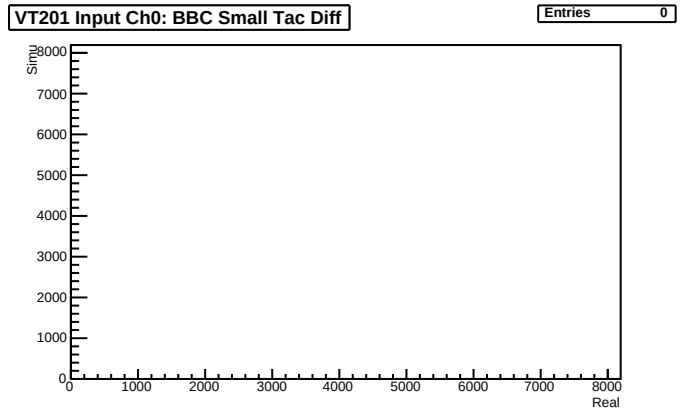

zdcWestTac
Entries 640980

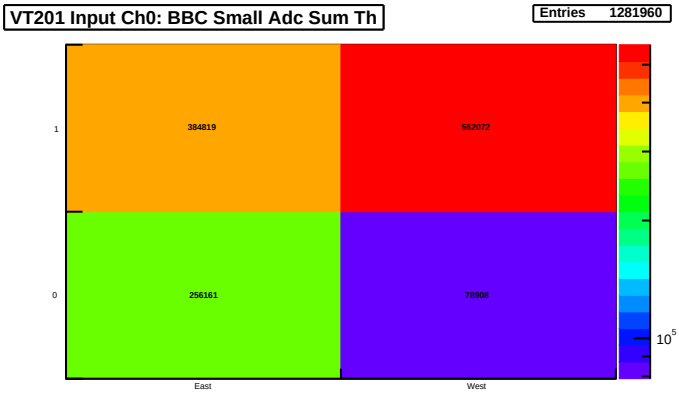

zdcWestTacVsSimu
Entries 0
Data
Simu

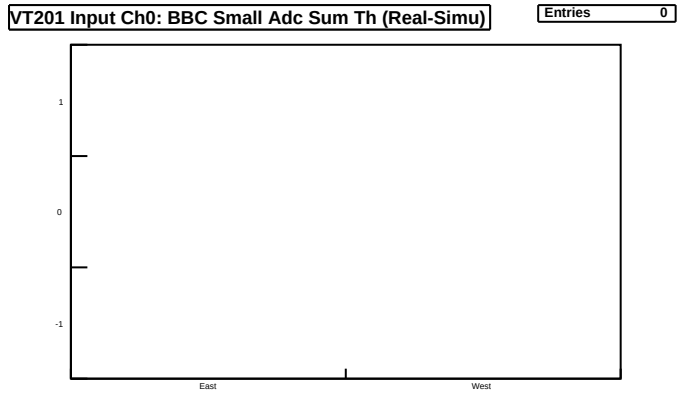

zdcAdcSum
Entries 7691760
50926
6237
25
21
13
9
130502
7313
80
69
48
43
590054
634743
640955
640959
640967
640971
510478
633667
640900
640911
640932
640937
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

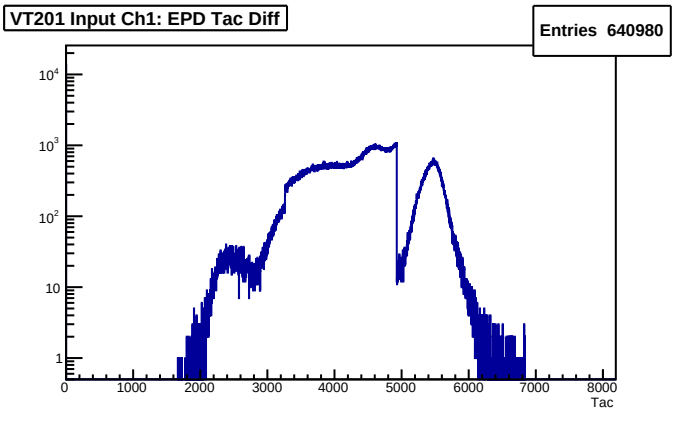

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

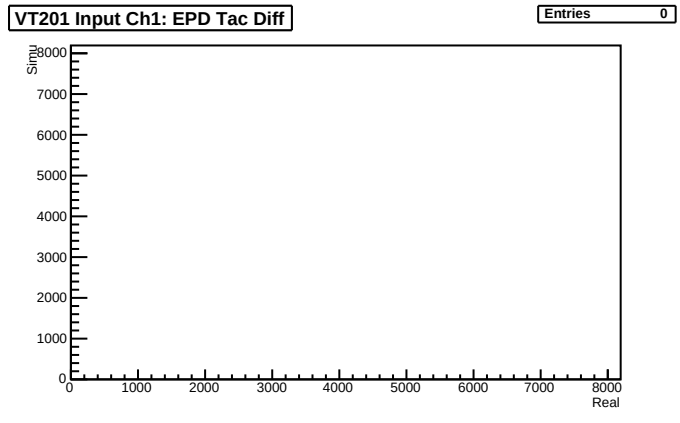

VT201 Input Ch0: BBC Small Tac Diff
Entries 640980
Tac

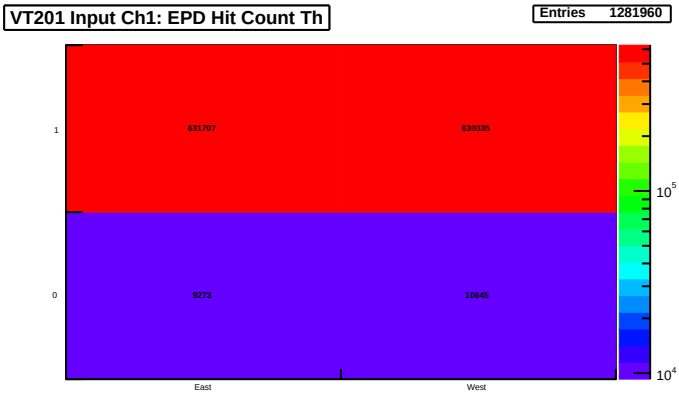

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

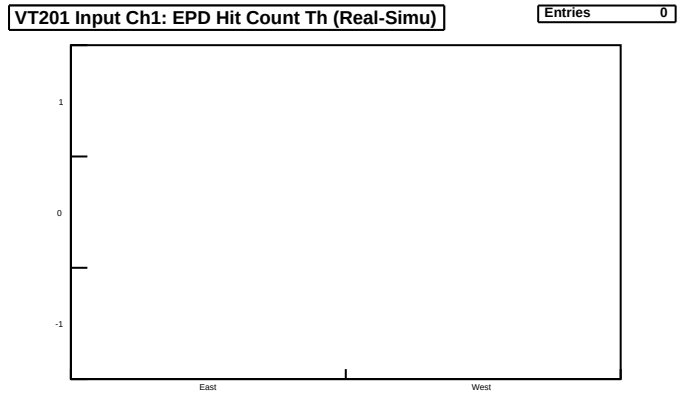

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1281960
384819
562072
256161
78908
East
West

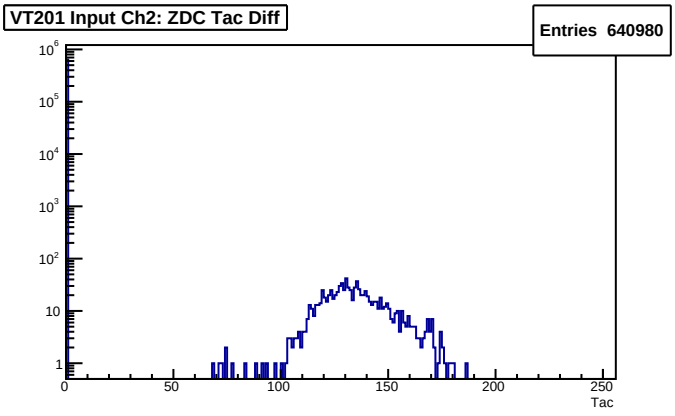

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

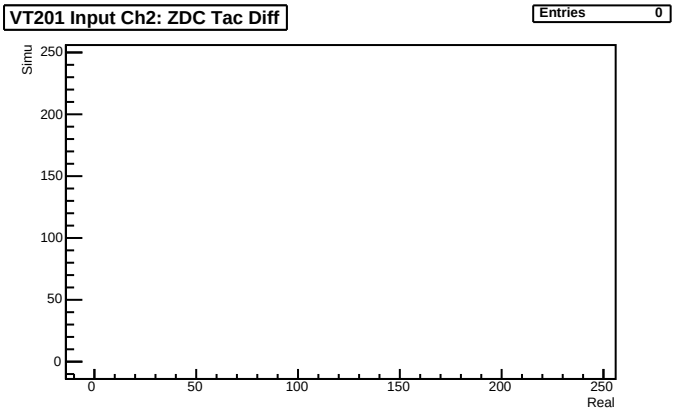

VT201 Input Ch1: EPD Tac Diff
Entries 640980
Tac

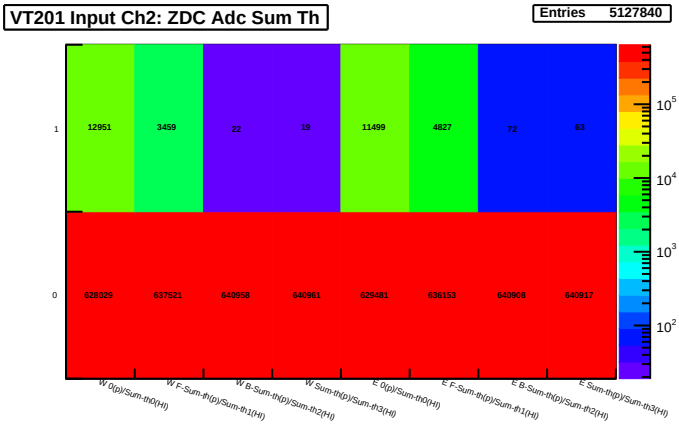

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

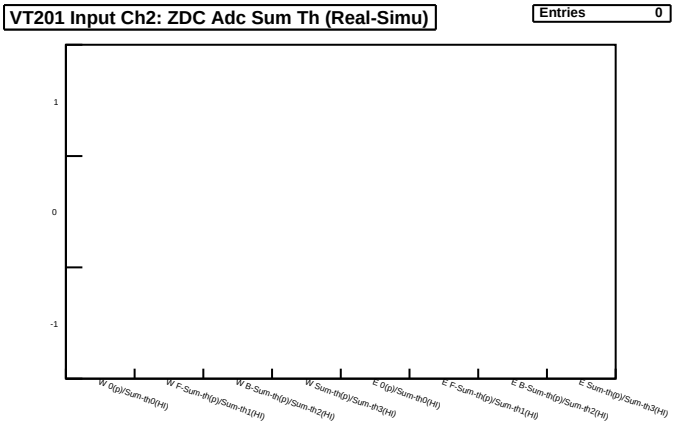

VT201 Input Ch1: EPD Hit Count Th
Entries 1281960
631707
630335
9273
10645
East
West

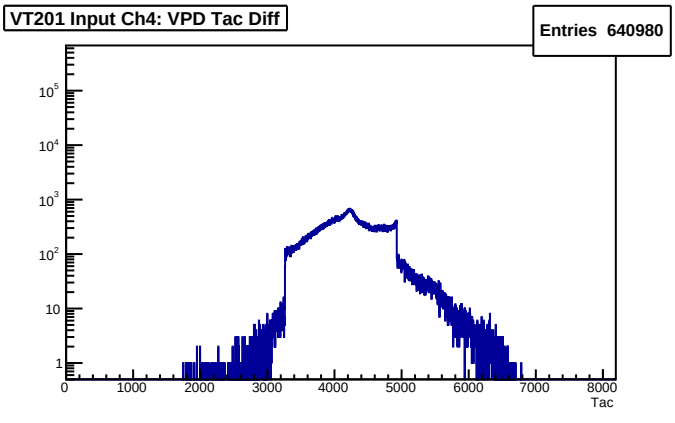

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

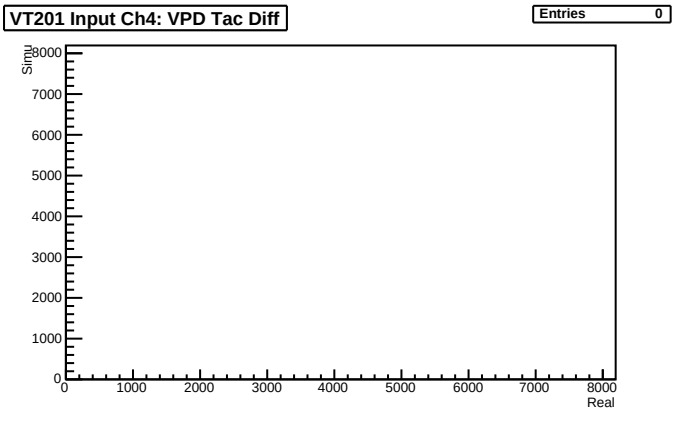

VT201 Input Ch2: ZDC Tac Diff
Entries 640980
Tac

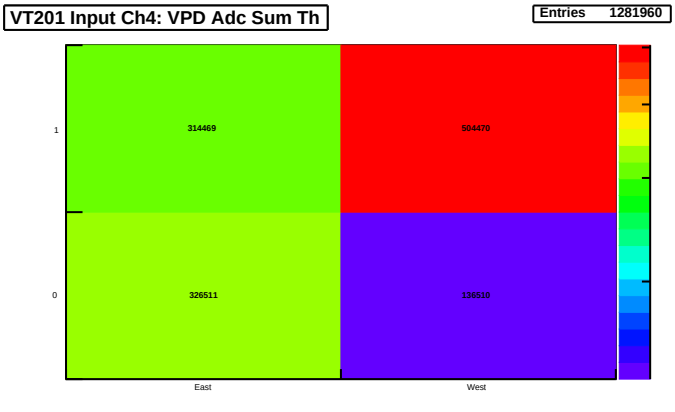

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

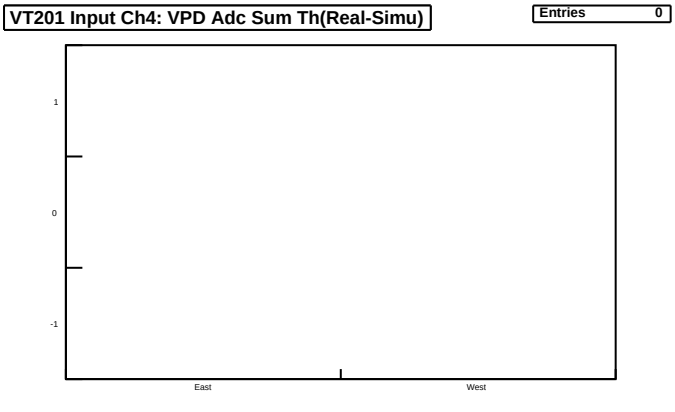

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5127840
12951
3459
22
19
11499
4827
72
63
628029
637521
640958
640961
629481
636153
640908
640917
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

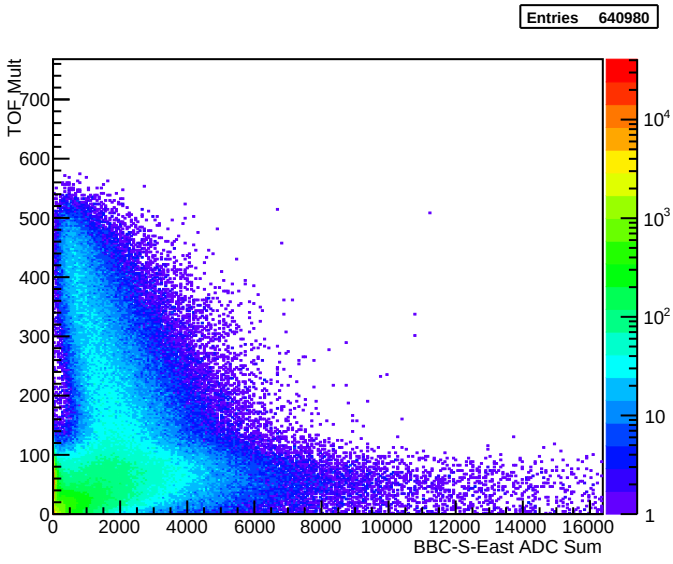

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

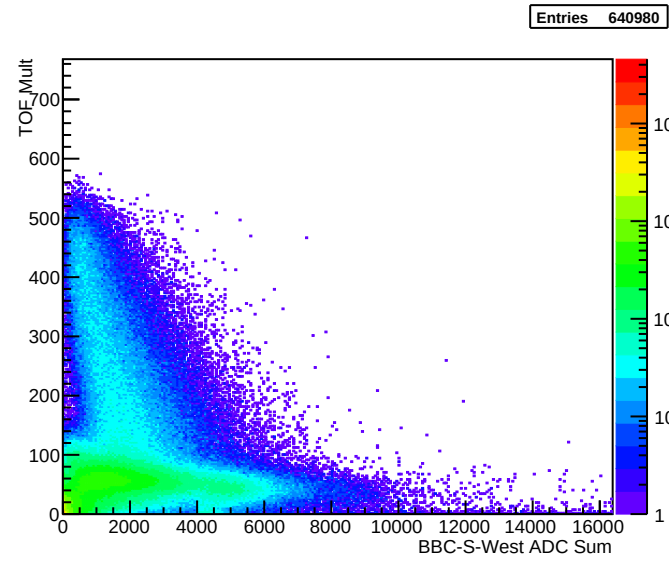

VT201 Input Ch4: VPD Tac Diff
Entries 640980
Tac

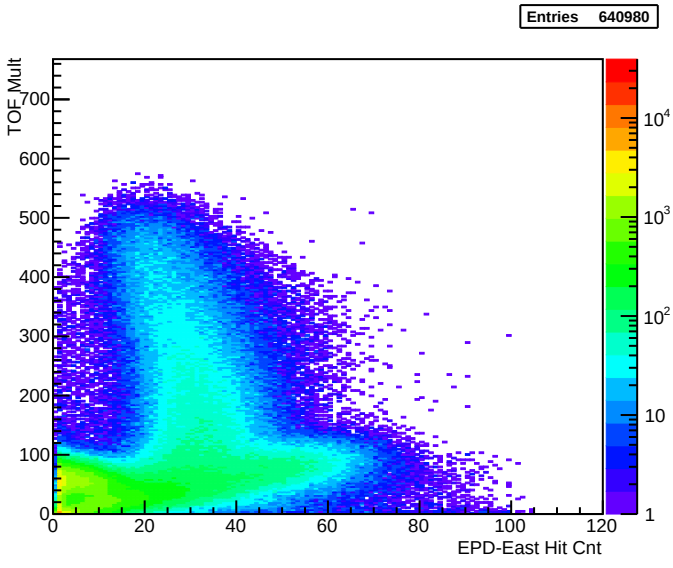

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

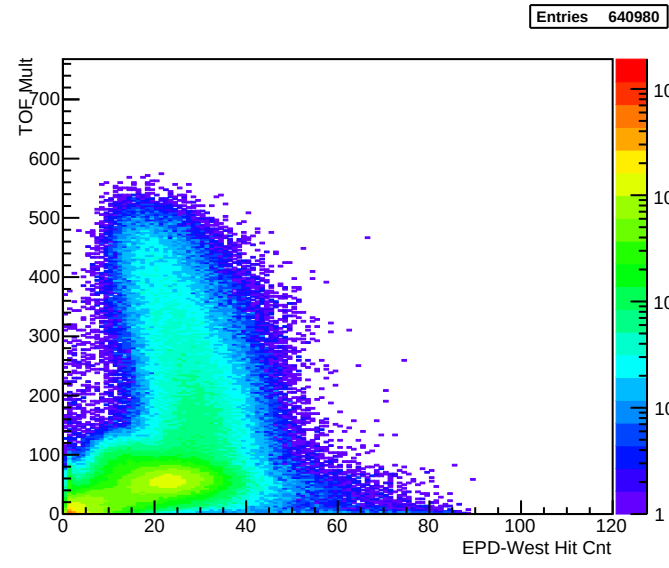

VT201 Input Ch4: VPD Adc Sum Th
Entries 1281960
314469
504470
326511
136510
East
West

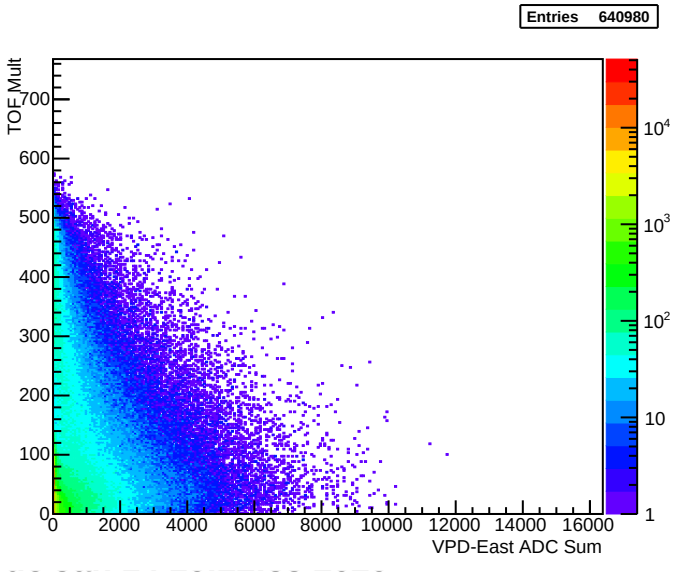

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

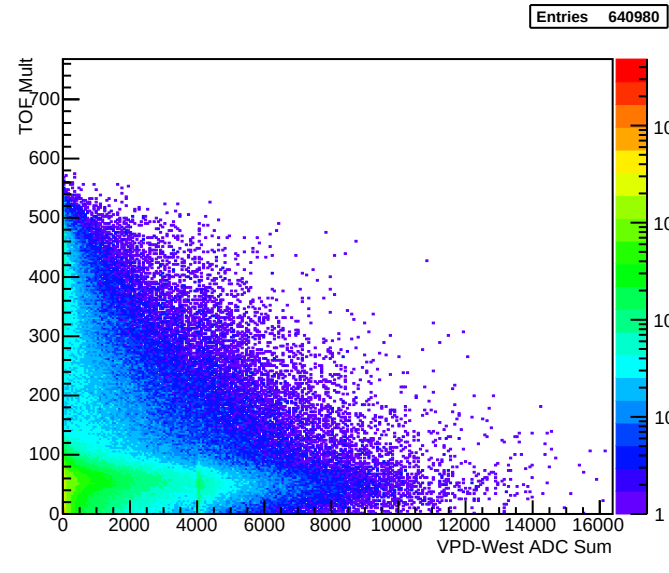

Entries 640980
TOF_Mult
BBC-S-East ADC Sum

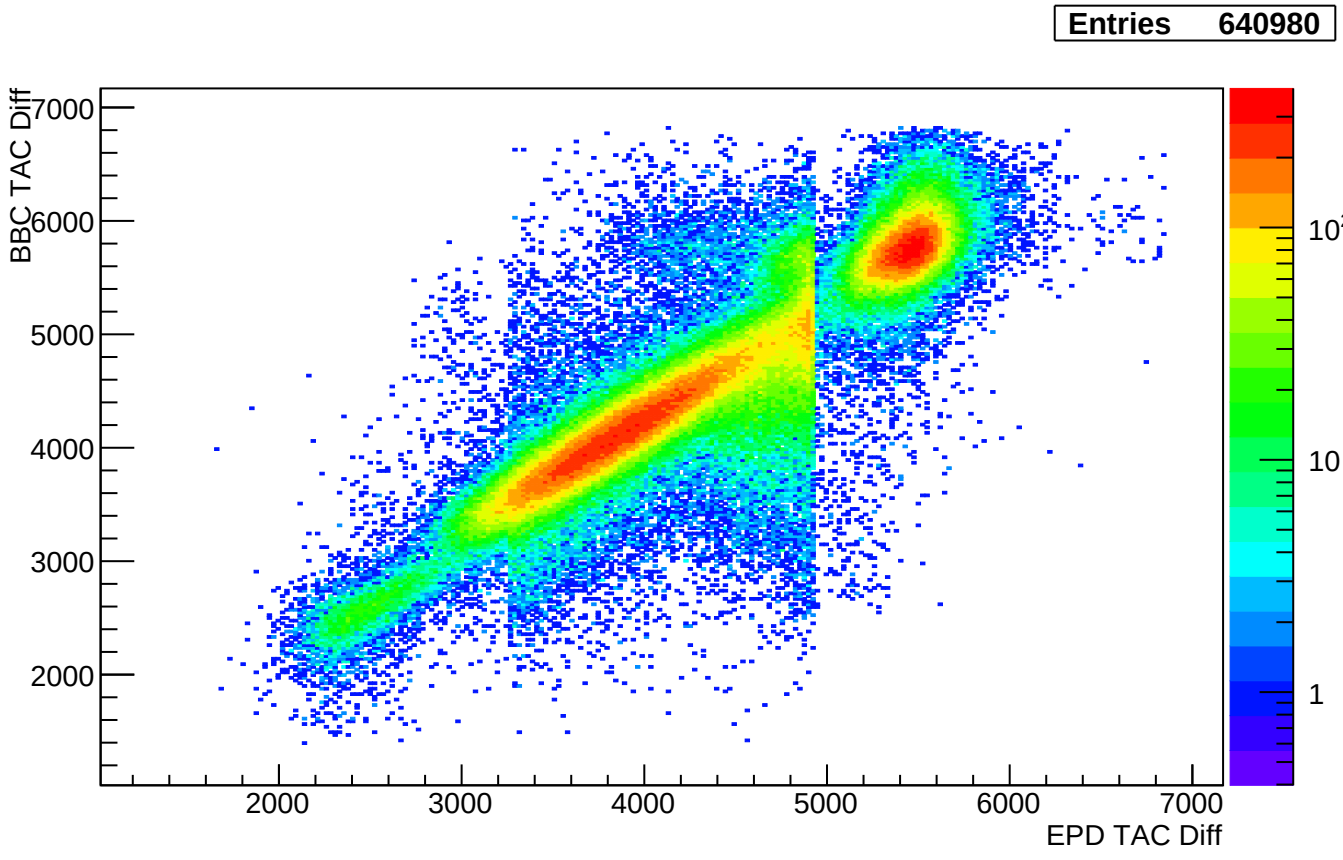

Entries 640980
TOF_Mult
BBC-S-West ADC Sum

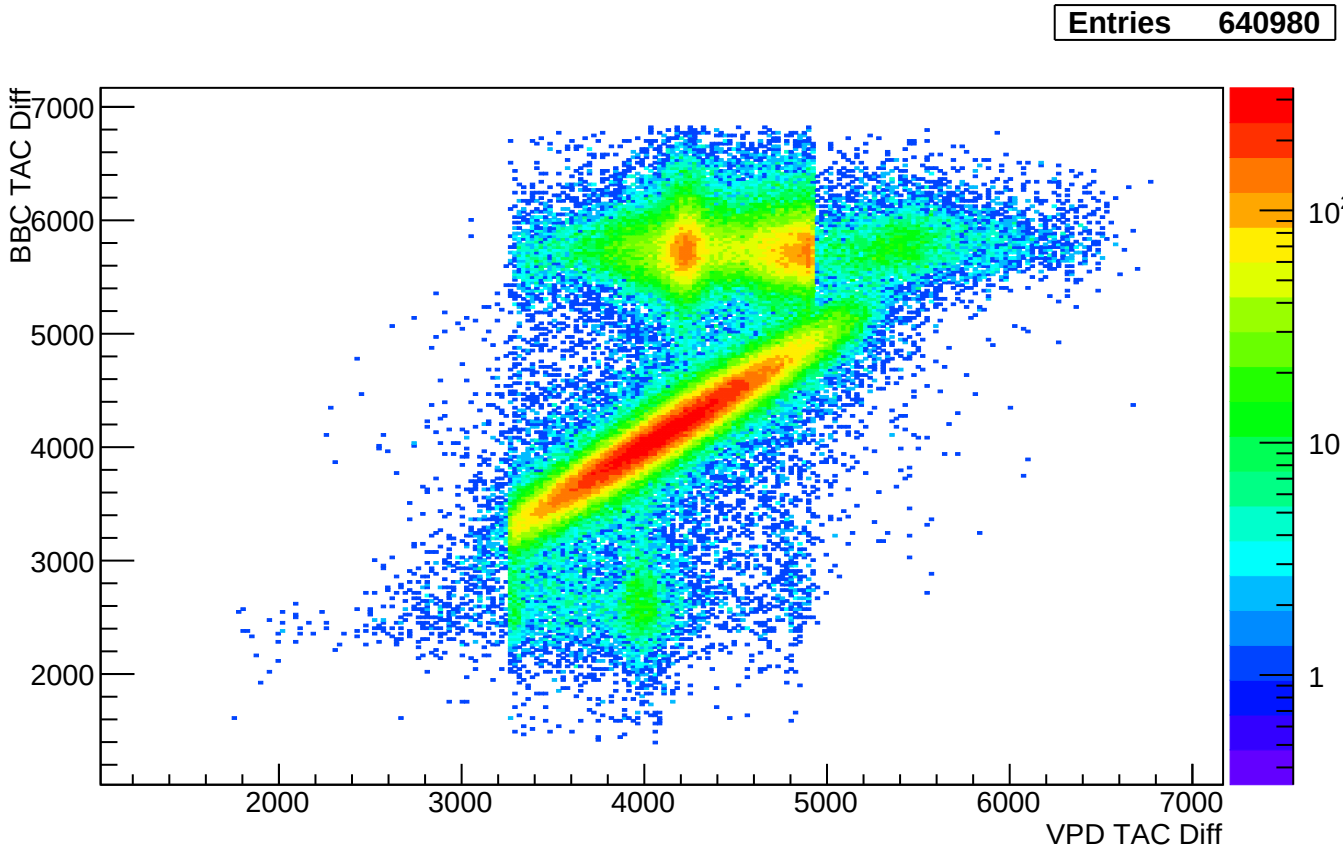

Entries 640980
TOF_Mult
EPD-East Hit Cnt

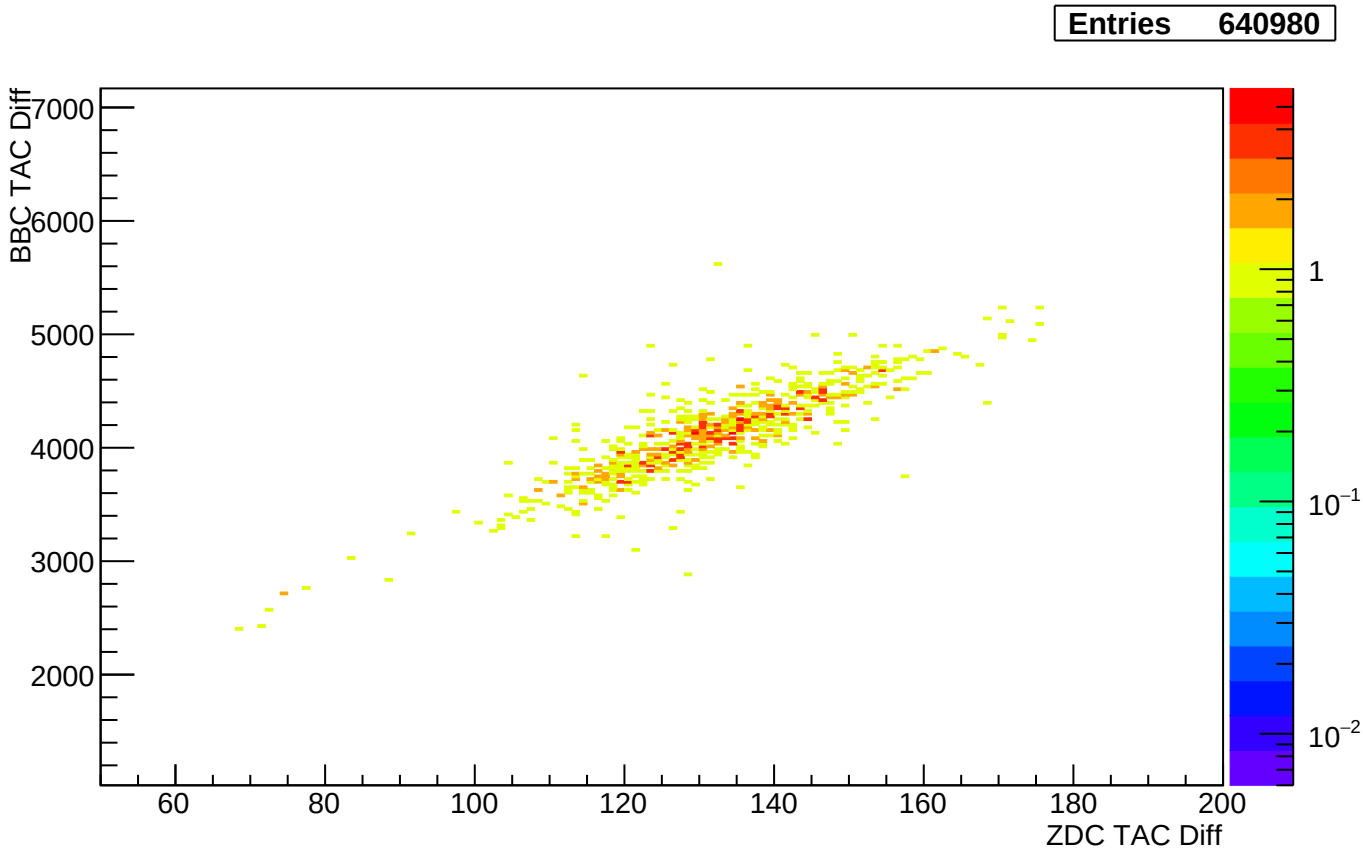

Entries 640980
TOF_Mult
EPD-West Hit Cnt

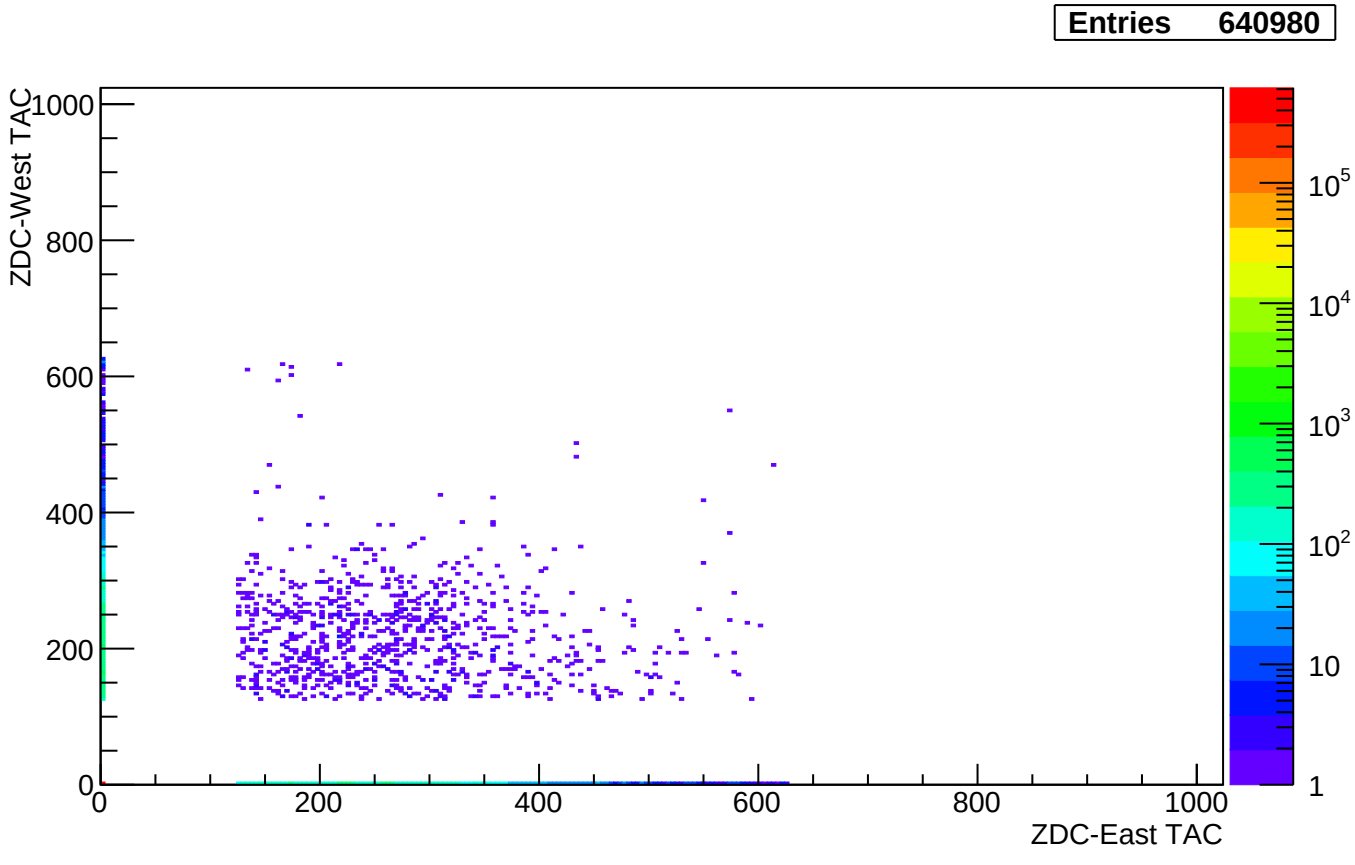

Entries 640980
TOF_Mult
VPD-East ADC Sum

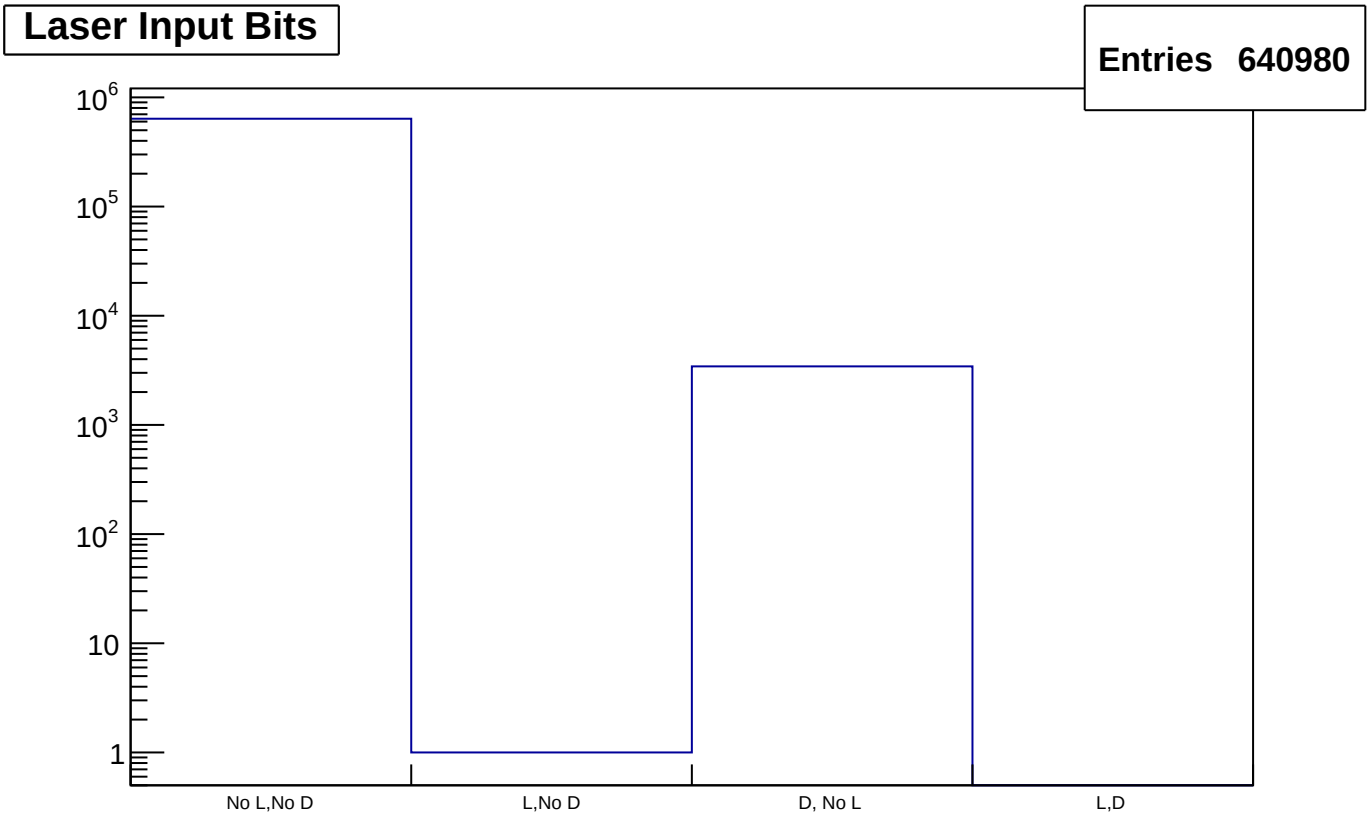

Entries 640980
TOF_Mult
VPD-West ADC Sum

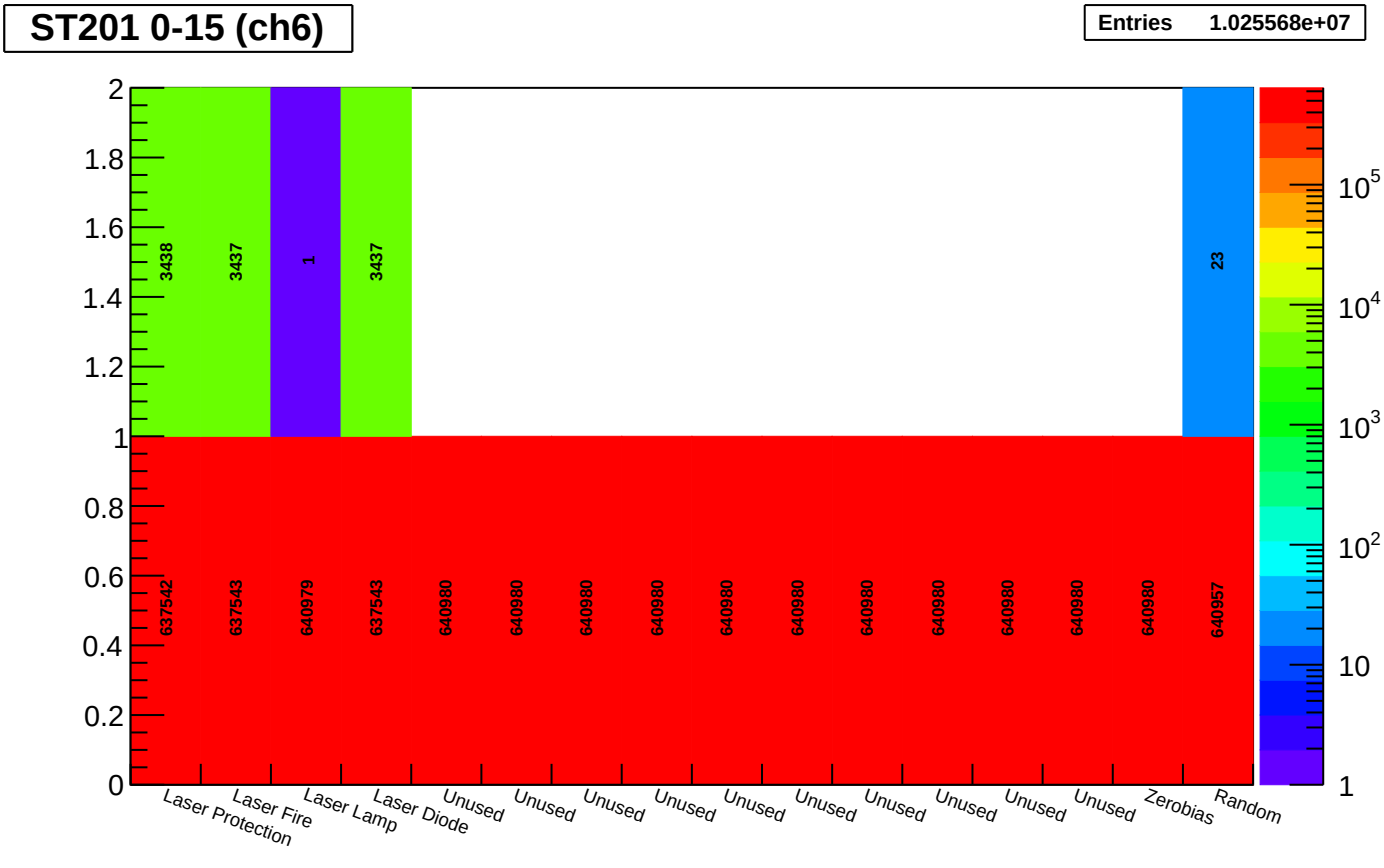

Entries 640980
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

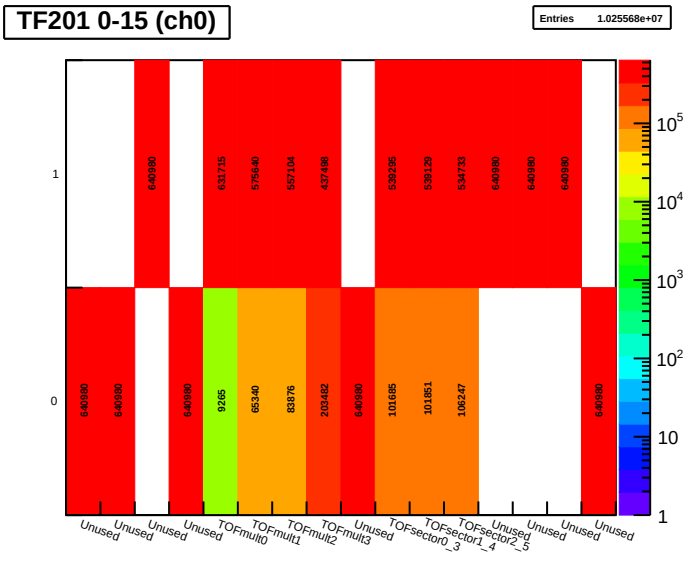

Entries 640980
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

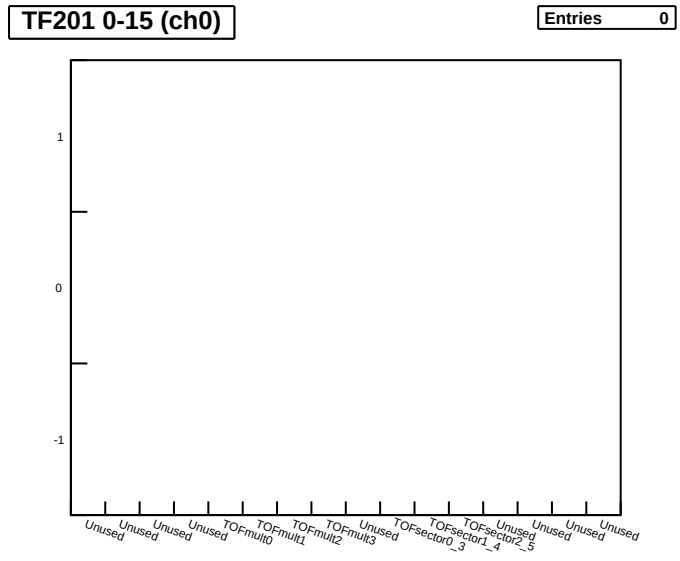

Entries 640980
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

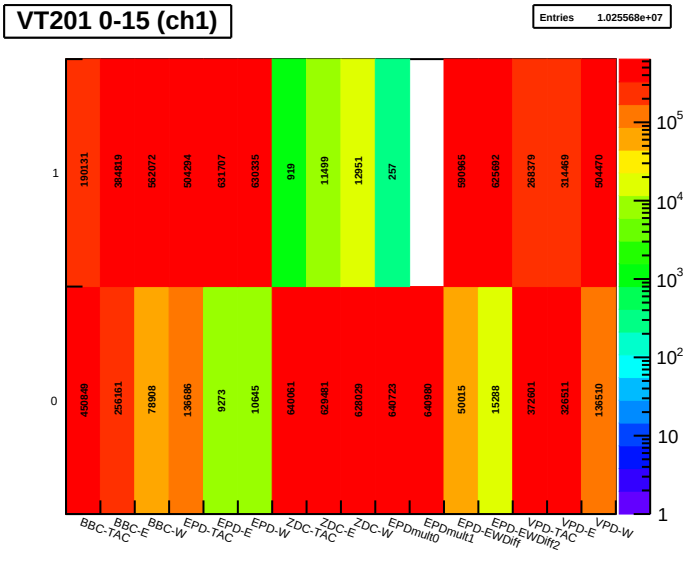

Entries 640980
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

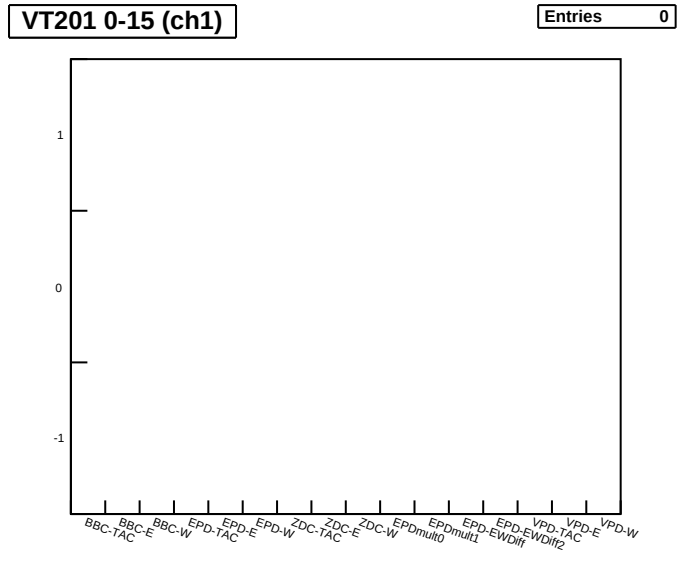

Laser Input Bits
Entries 640980
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

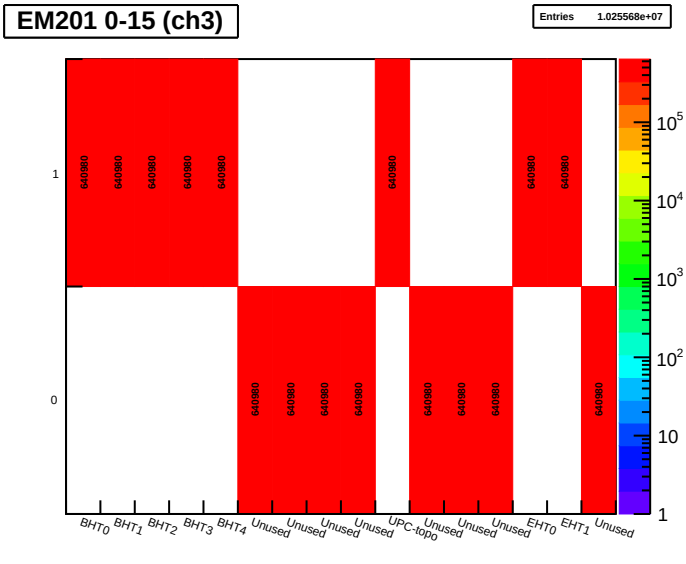

ST201 0-15 (ch6)
Entries 1.025568e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3438
3437
1
3437
23
637542
637543
640979
637543
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640957
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

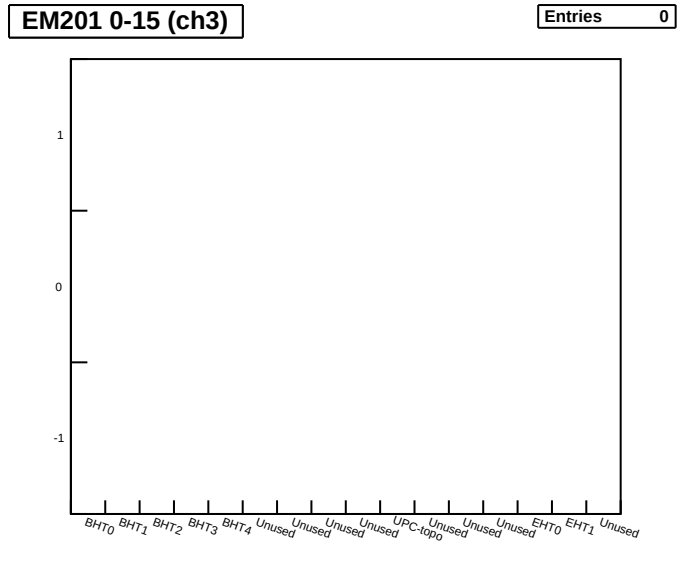

TF201 0-15 (ch0)
Entries 1.025568e+07
1
0
640980
631715
575640
557104
437498
539295
539129
534733
640980
640980
640980
640980
640980
640980
9265
65340
83876
203482
640980
101685
101851
106247
640980
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
1
10
10^2
10^3
10^4
10^5


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


VT201 0-15 (ch1)
Entries 1.025568e+07
1
0
190131
384819
562072
504294
631707
630335
919
11499
12951
257
590965
625692
268379
314469
504470
450849
256161
78908
136686
9273
10645
640061
629481
628029
640723
640980
50015
15288
372601
326511
136510
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
1
10
10^2
10^3
10^4
10^5


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 1.025568e+07
1
0
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
640980
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
1
10
10^2
10^3
10^4
10^5


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1