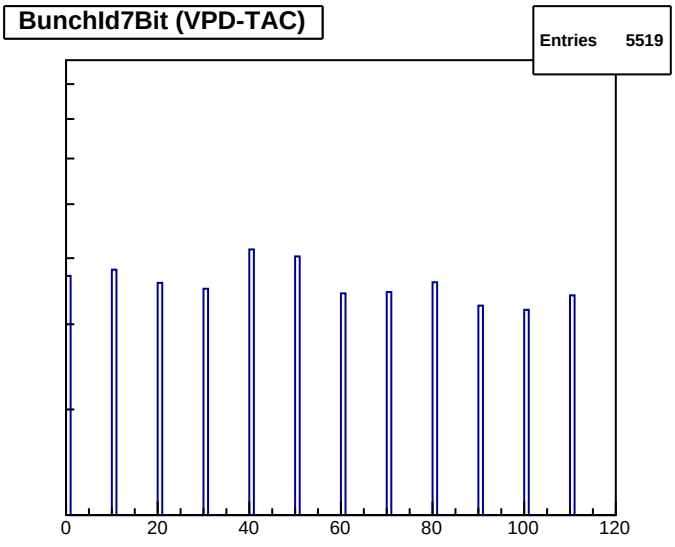
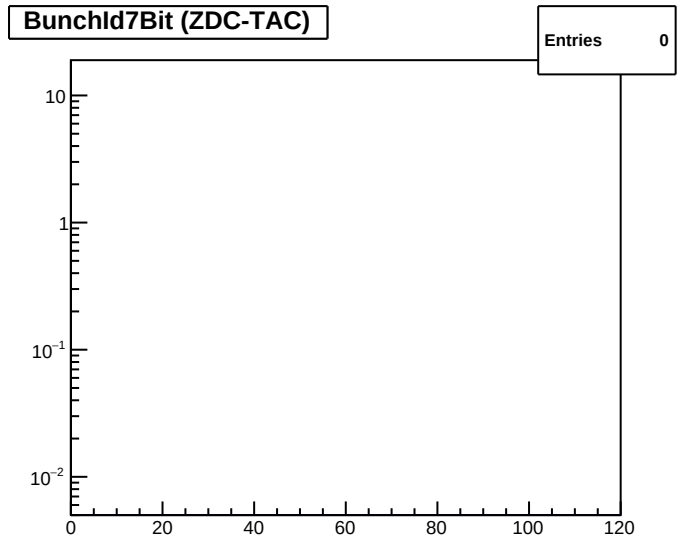
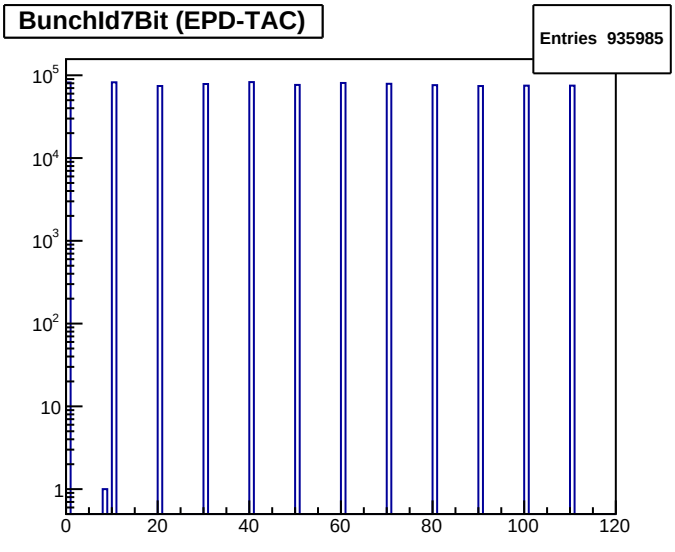
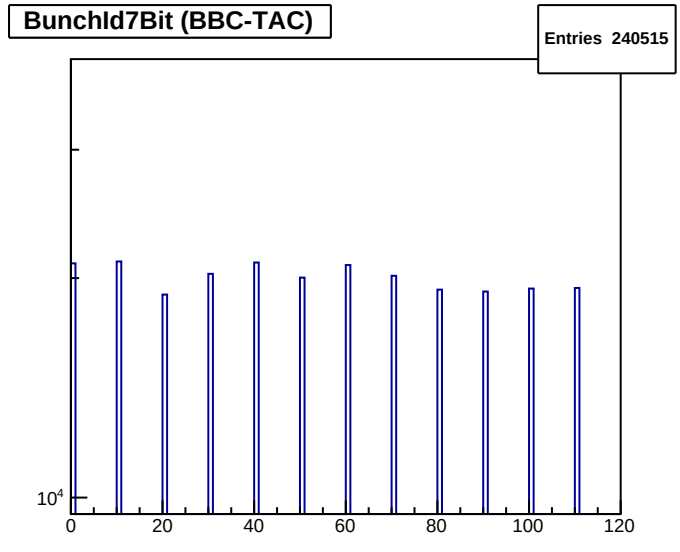
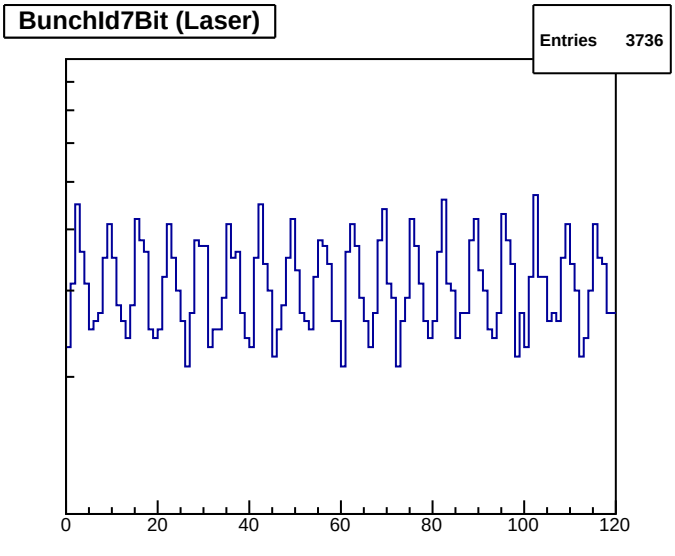
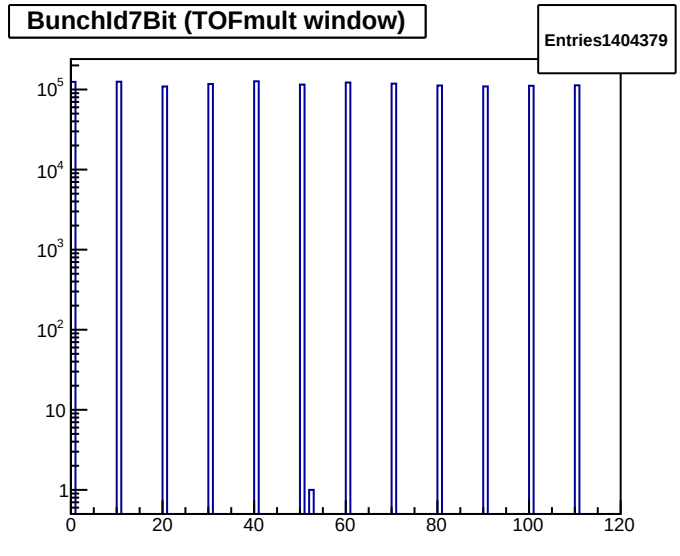

BunchId7Bit (VPD-TAC)
Entries 5519
0
20
40
60
80
100
120

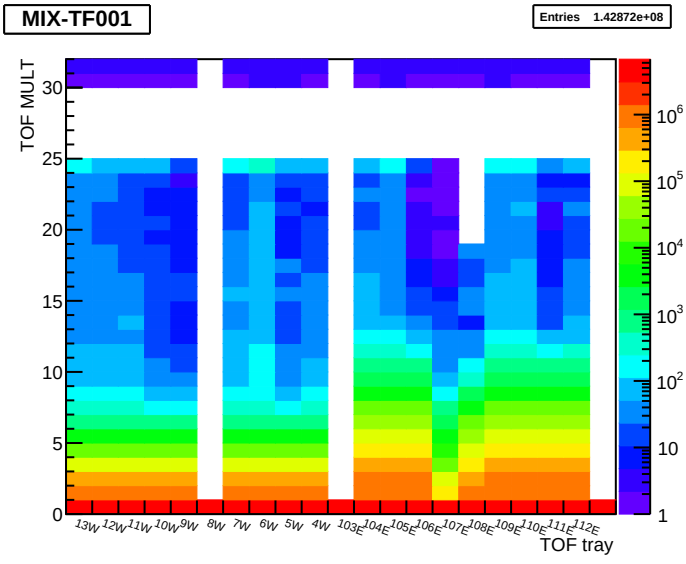

BunchId7Bit (ZDC-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

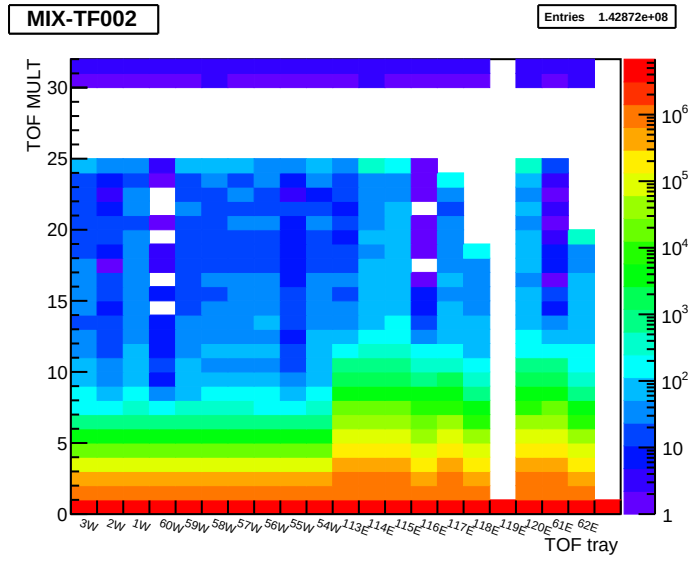

BunchId7Bit (EPD-TAC)
Entries 935985
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120

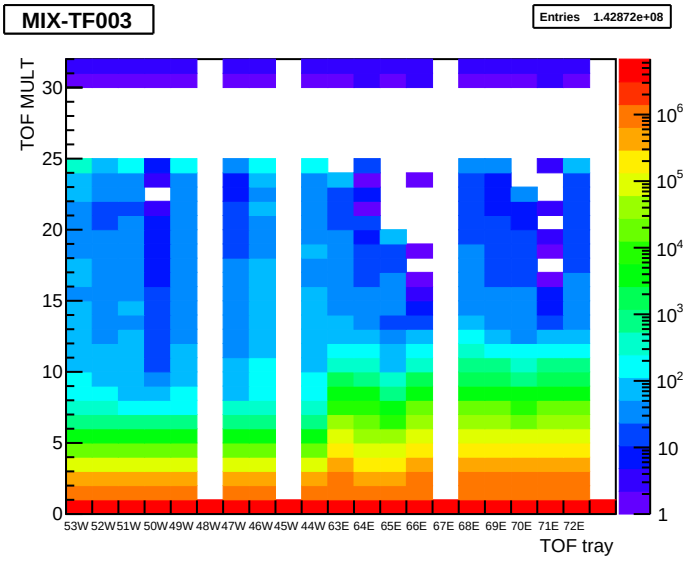

BunchId7Bit (BBC-TAC)
Entries 240515
10^4
0
20
40
60
80
100
120

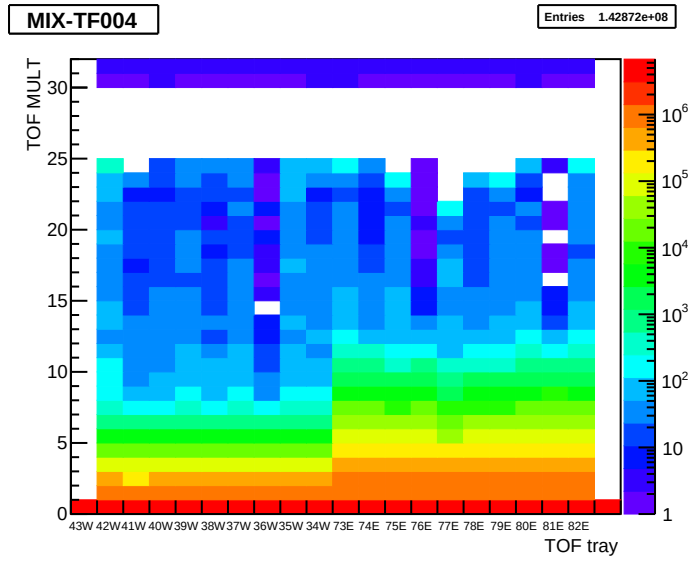

BunchId7Bit (Laser)
Entries 3736
0
20
40
60
80
100
120

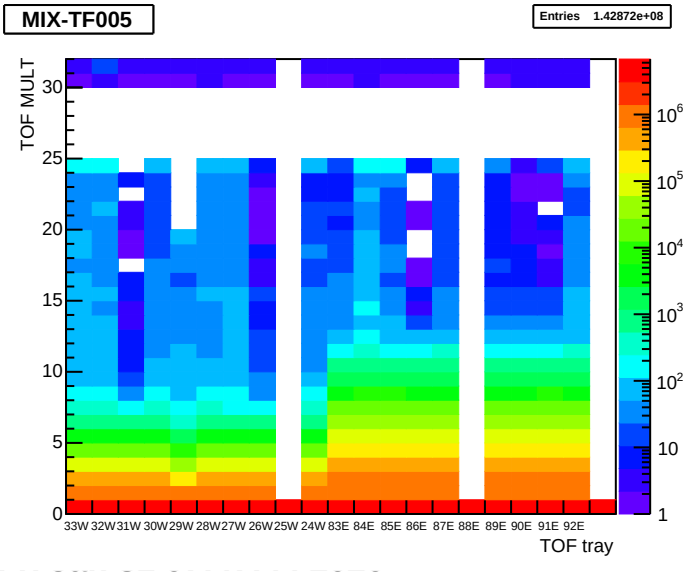

BunchId7Bit (TOFmult window)
Entries1404379
10^5
10^4
10^3
10^2
10
1
0
20
40
60
80
100
120

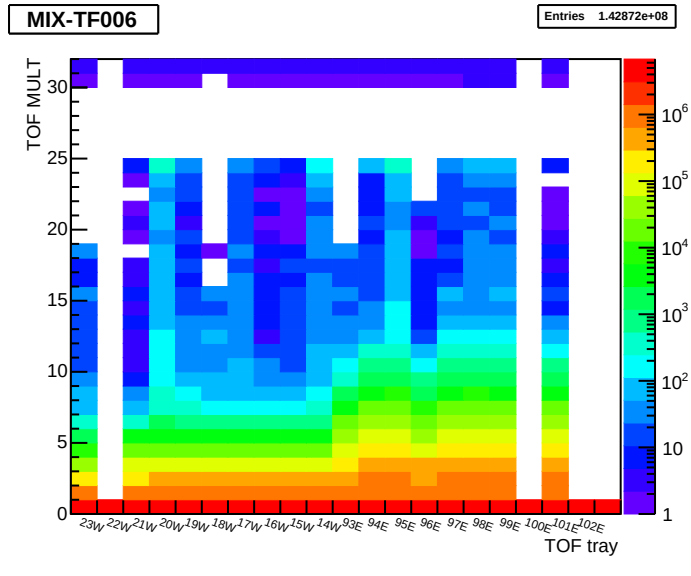

MIX-TF001
Entries 1.42872e+08
TOF MULT
TOF tray

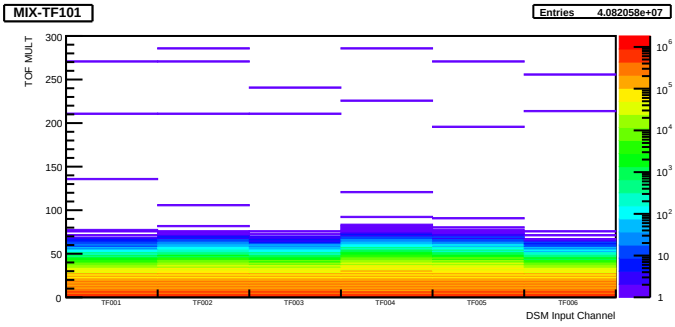

MIX-TF002
Entries 1.42872e+08
TOF MULT
TOF tray

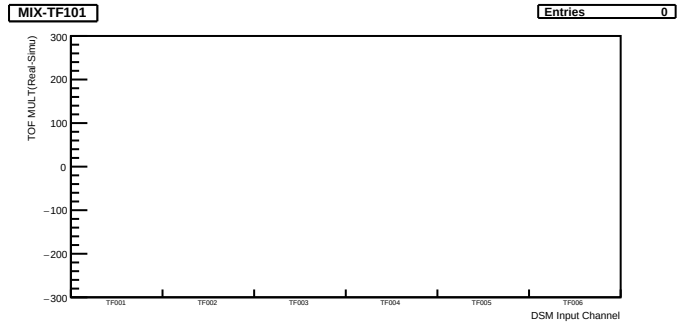

MIX-TF003
Entries 1.42872e+08
TOF MULT
TOF tray

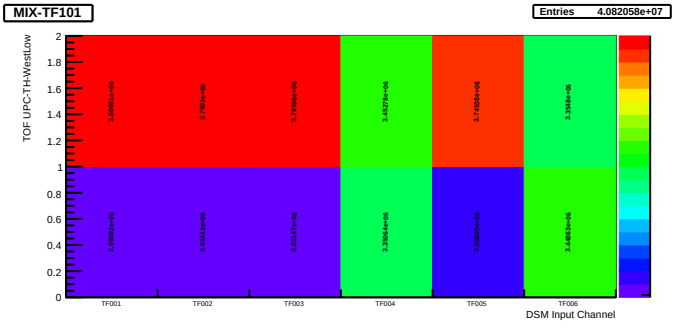

MIX-TF004
Entries 1.42872e+08
TOF MULT
TOF tray

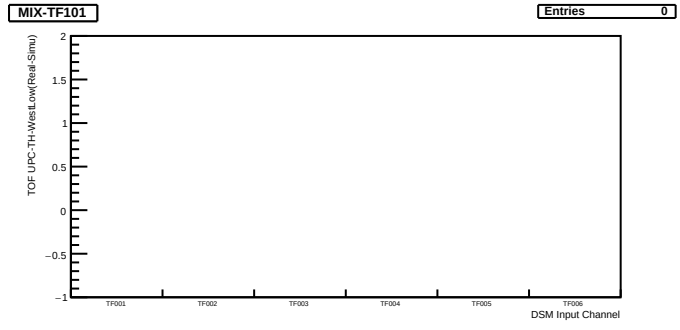

MIX-TF005
Entries 1.42872e+08
TOF MULT
TOF tray

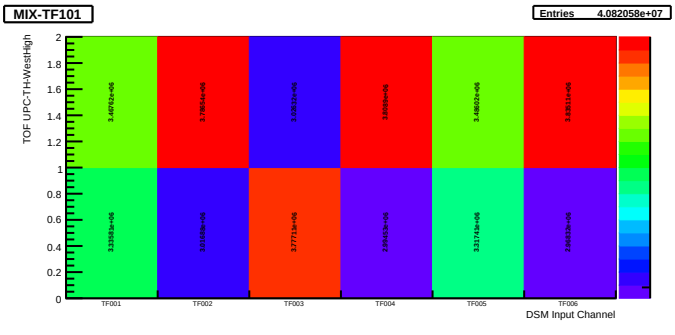

MIX-TF006
Entries 1.42872e+08
TOF MULT
TOF tray

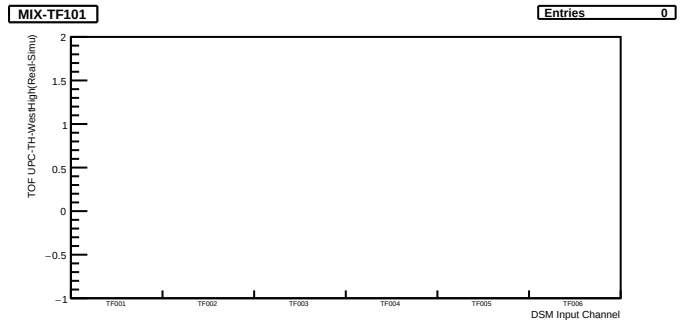

MIX-TF101
Entries 4.082058e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

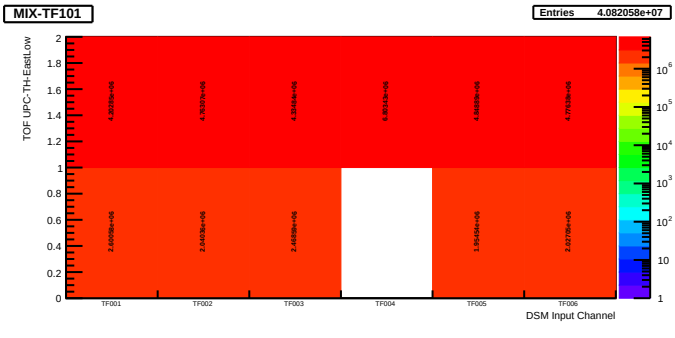

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

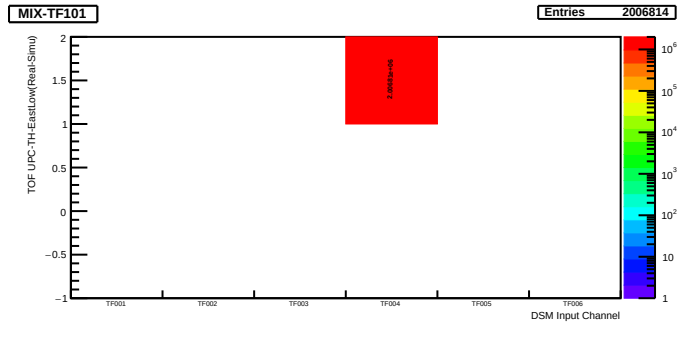

MIX-TF101
Entries 4.082058e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

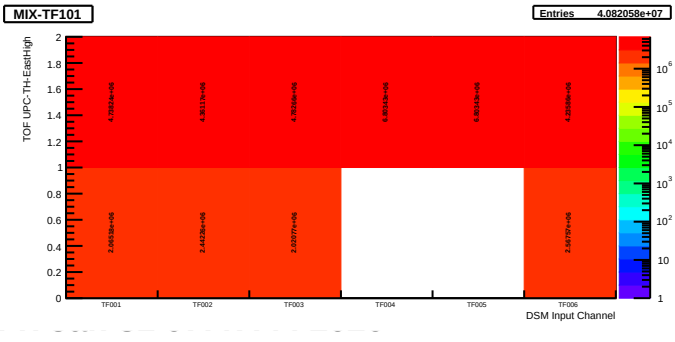

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

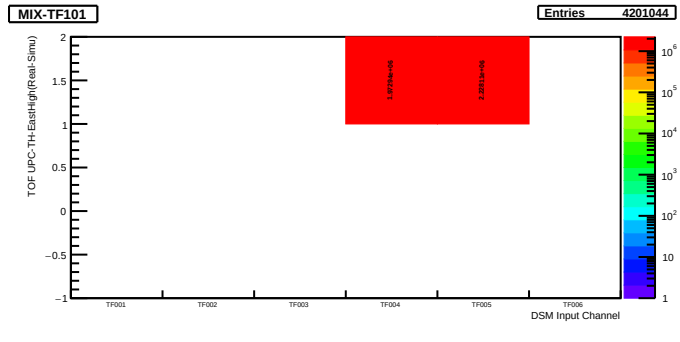

MIX-TF101
Entries 4.082058e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

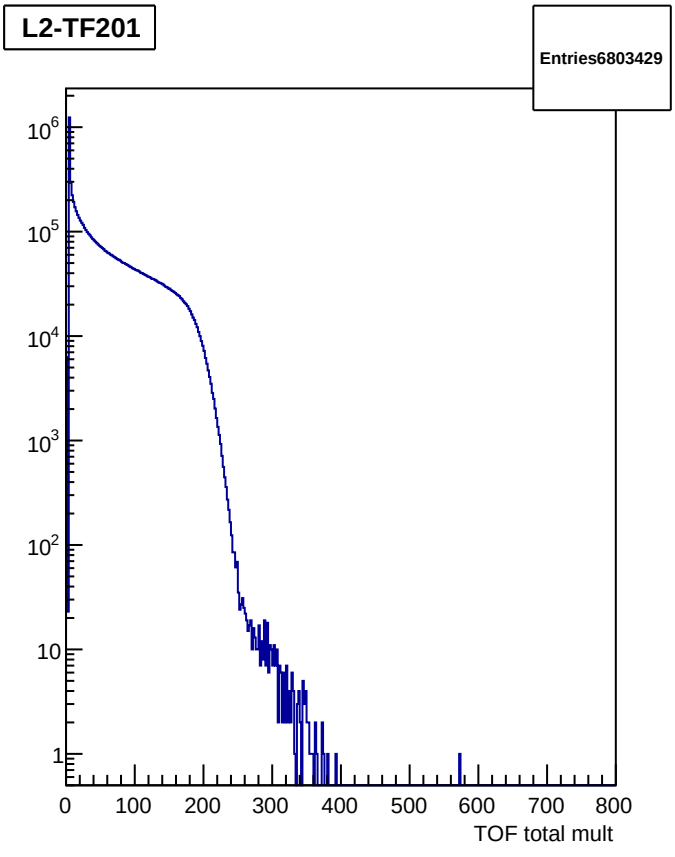

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

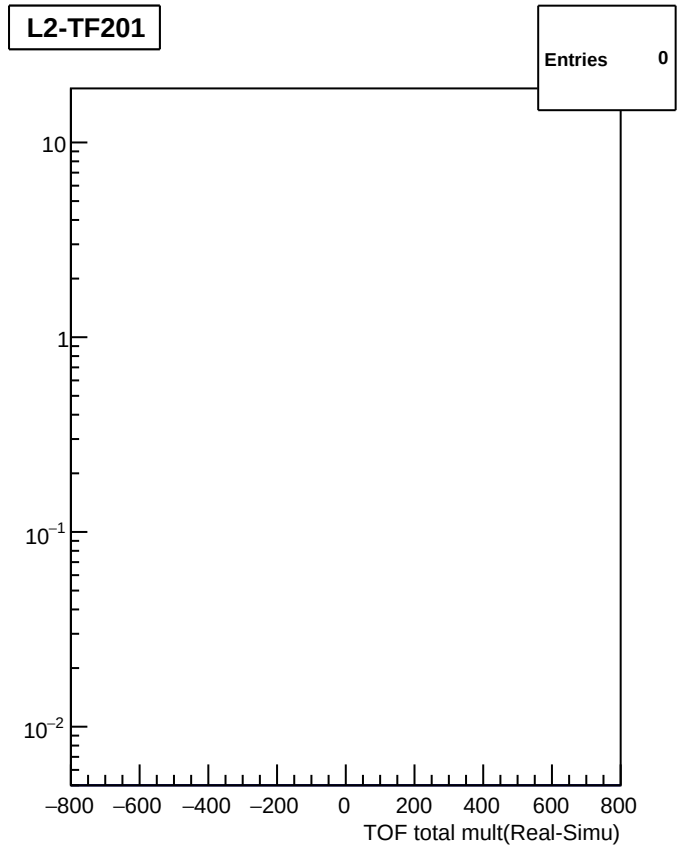

MIX-TF101
Entries 4.082058e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

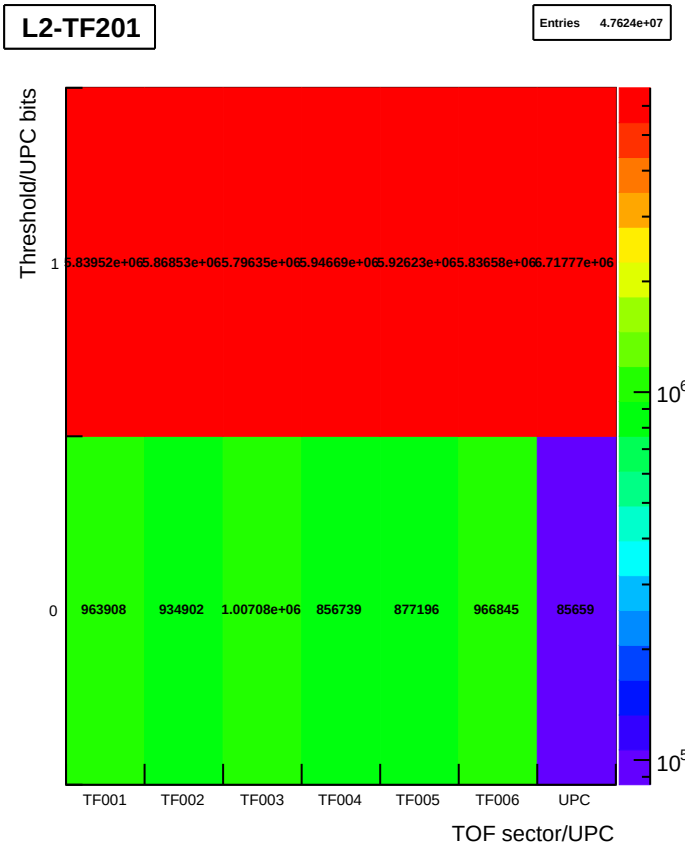

MIX-TF101
Entries 2006814
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

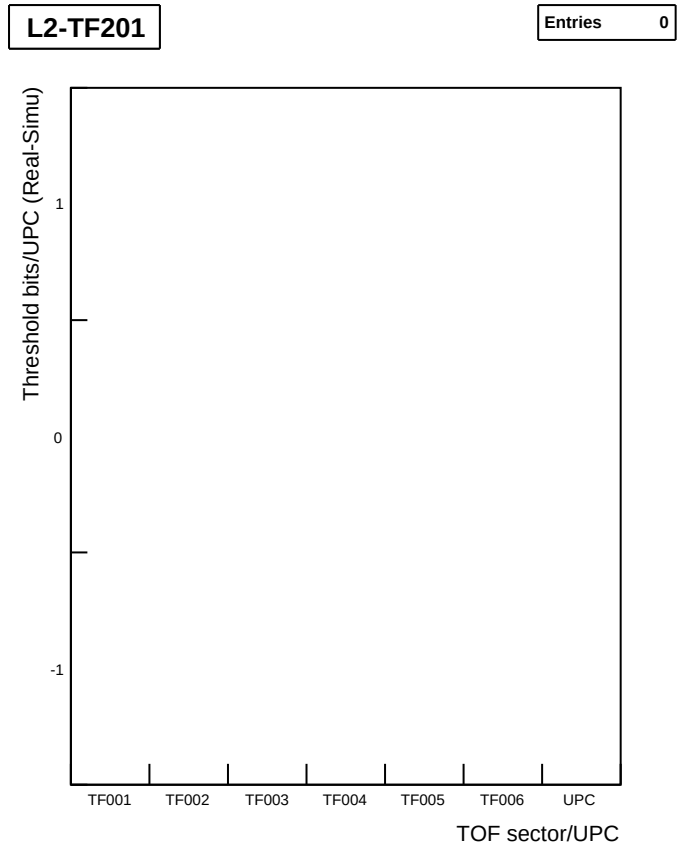

MIX-TF101
Entries 4.082058e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

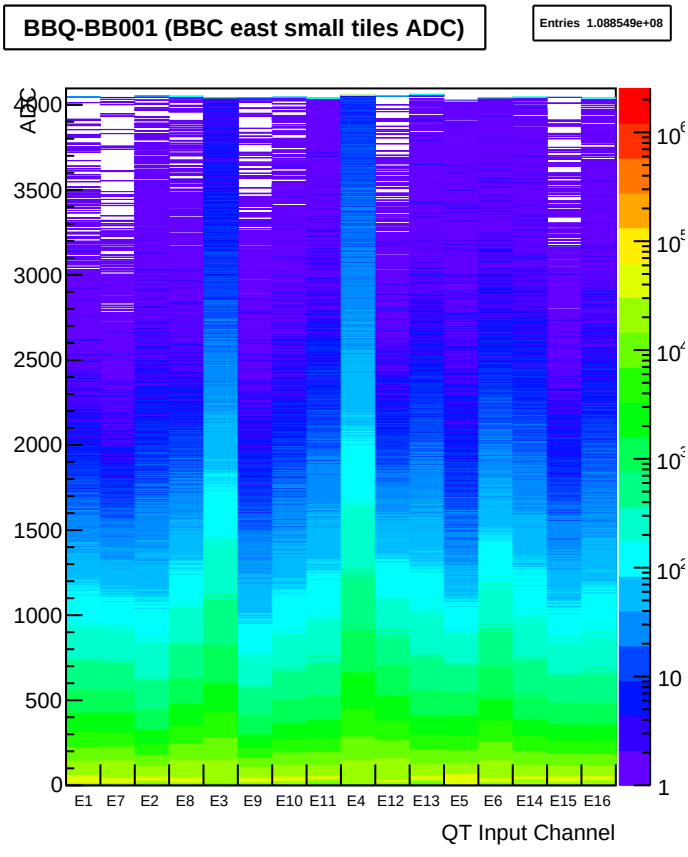

MIX-TF101
Entries 4201044
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

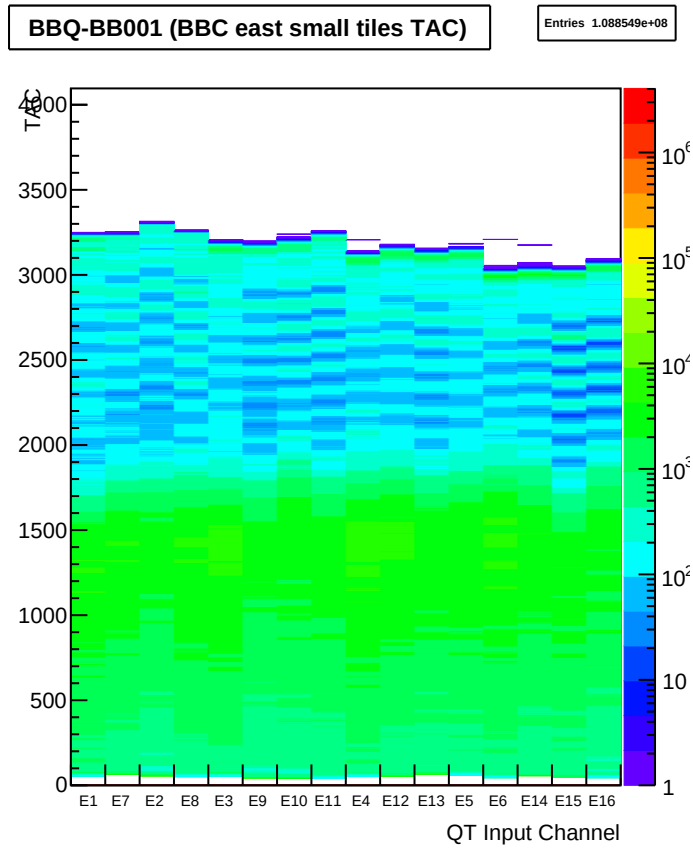

L2-TF201
Entries6803429
TOF total mult

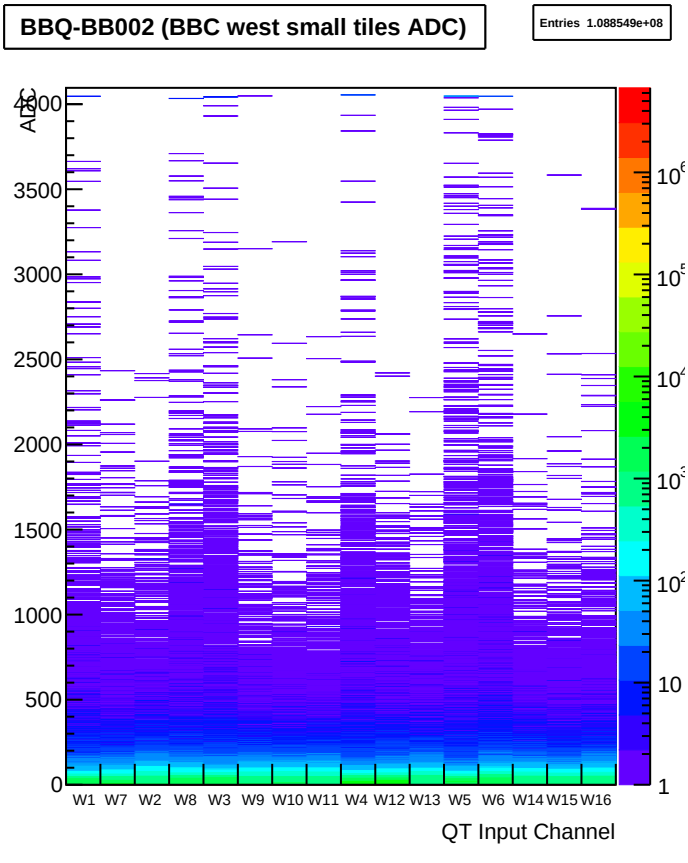

L2-TF201
Entries 0
TOF total mult(Real-Simu)

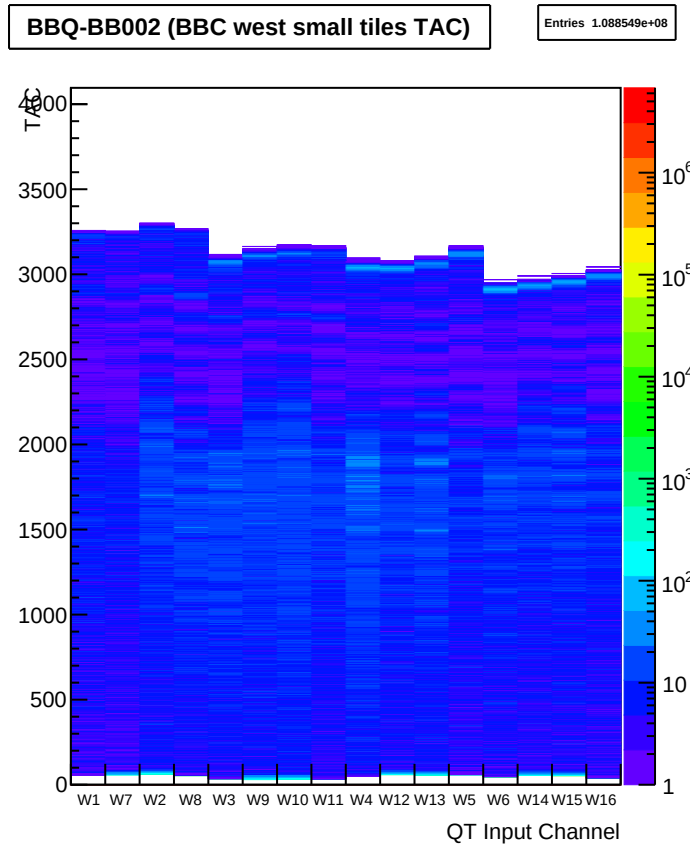

L2-TF201
Entries 4.7624e+07
Threshold/UPC bits
963908
934902
1.00708e+06
856739
877196
966845
85659
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

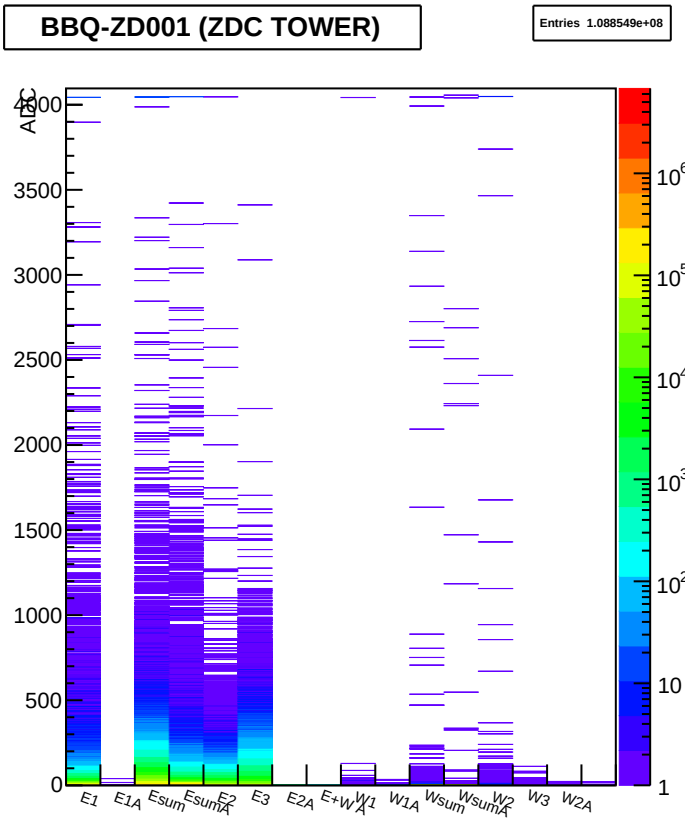

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

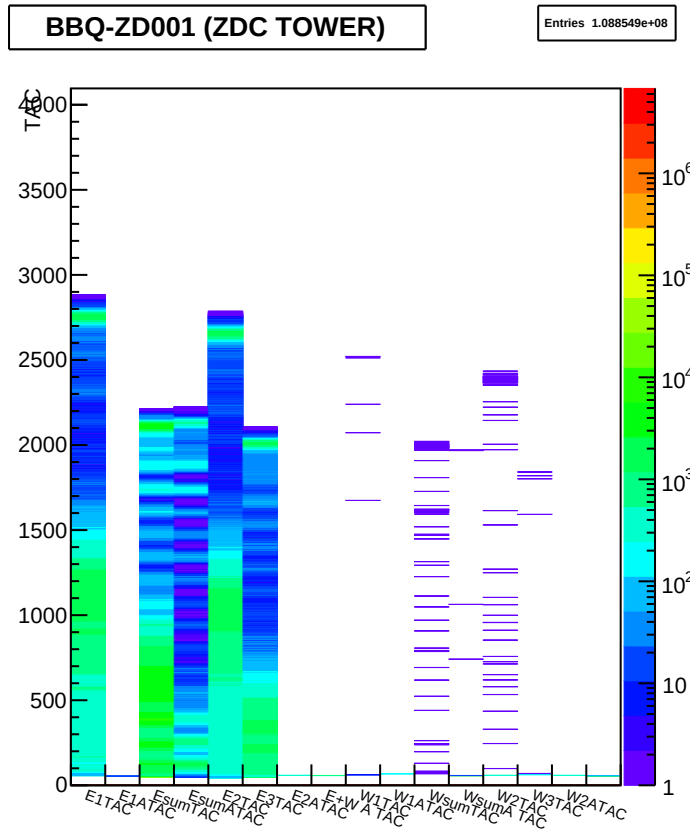

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.088549e+08
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

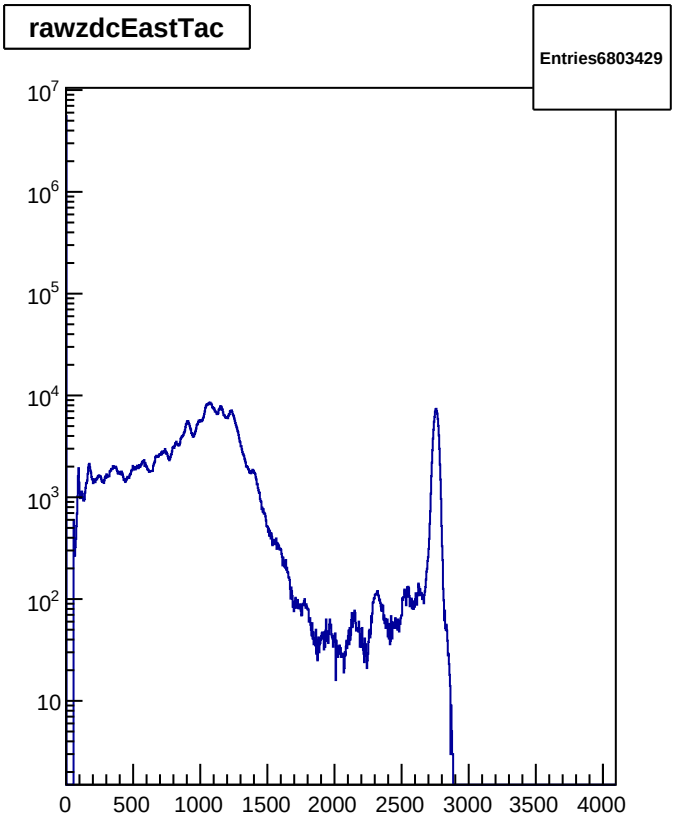

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.088549e+08
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

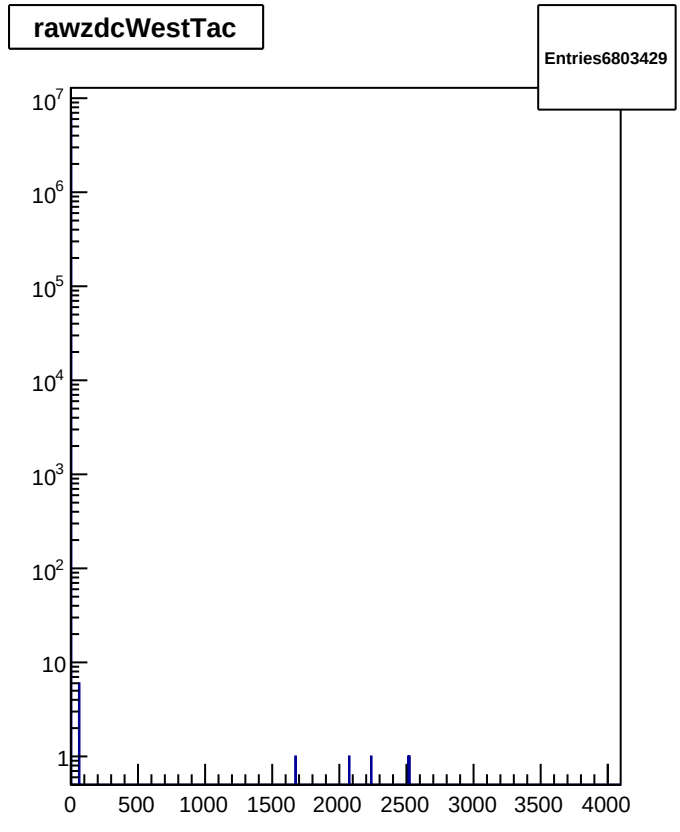

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.088549e+08
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

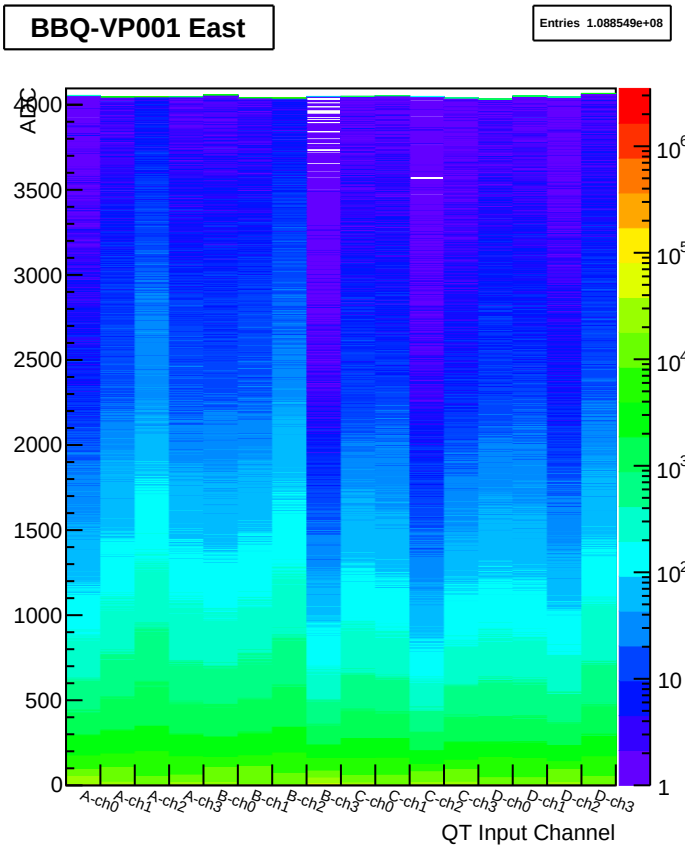

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.088549e+08
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

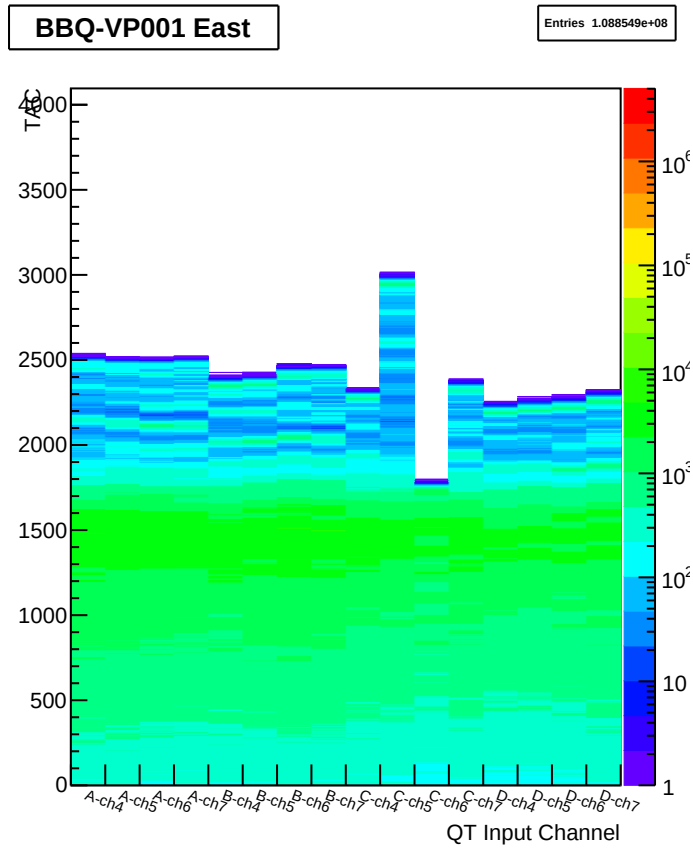

BBQ-ZD001 (ZDC TOWER)
Entries 1.088549e+08
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

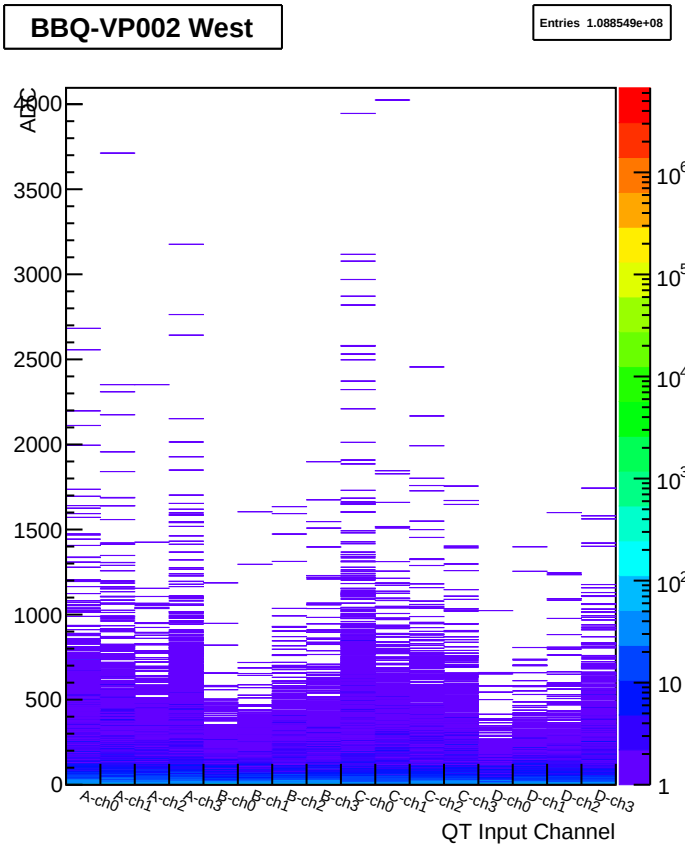

BBQ-ZD001 (ZDC TOWER)
Entries 1.088549e+08
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

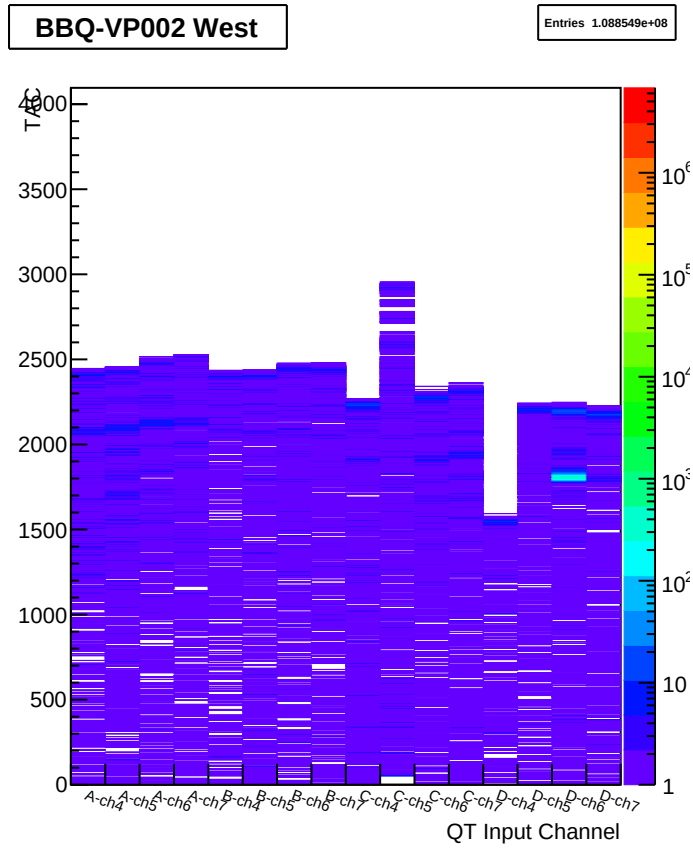

rawzdcEastTac
Entries6803429

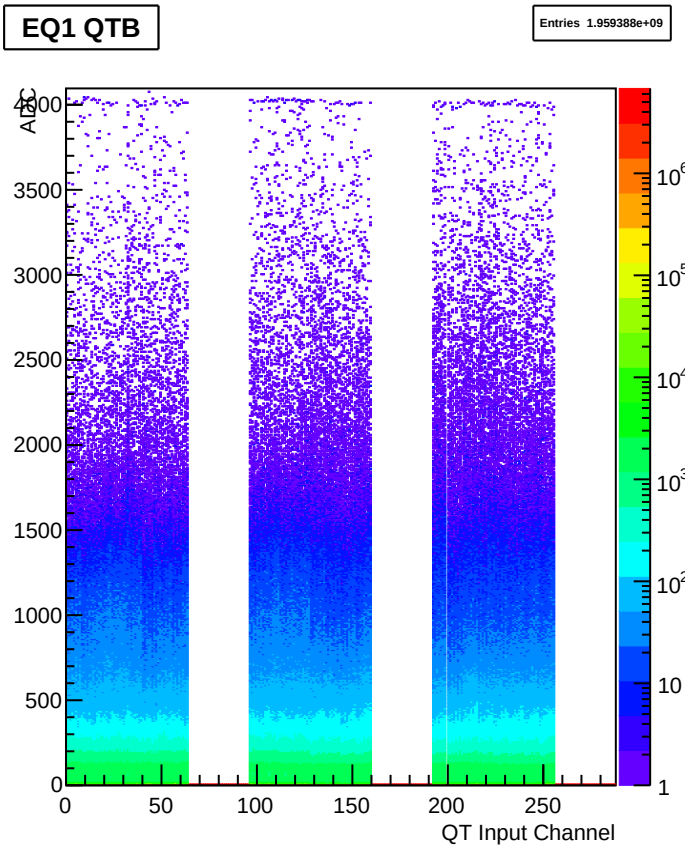

rawzdcWestTac
Entries6803429

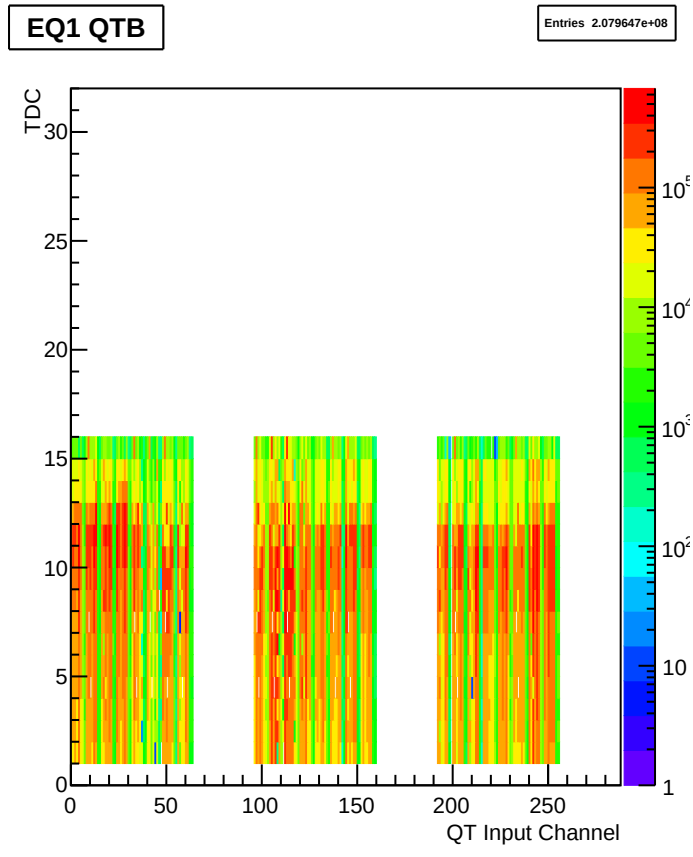

BBQ-VP001 East
Entries 1.088549e+08
ADC
QT Input Channel

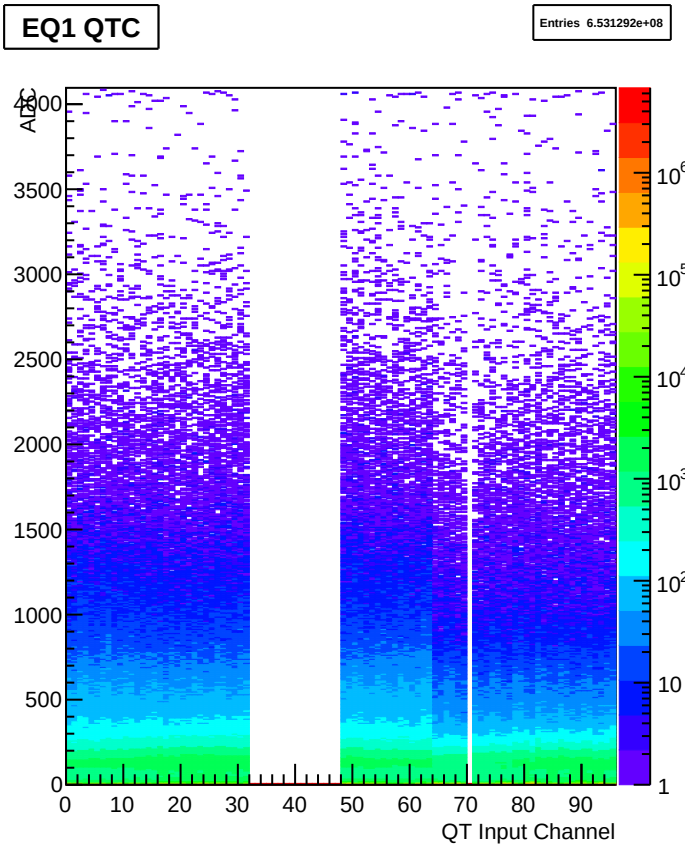

BBQ-VP001 East
Entries 1.088549e+08
TADC
QT Input Channel

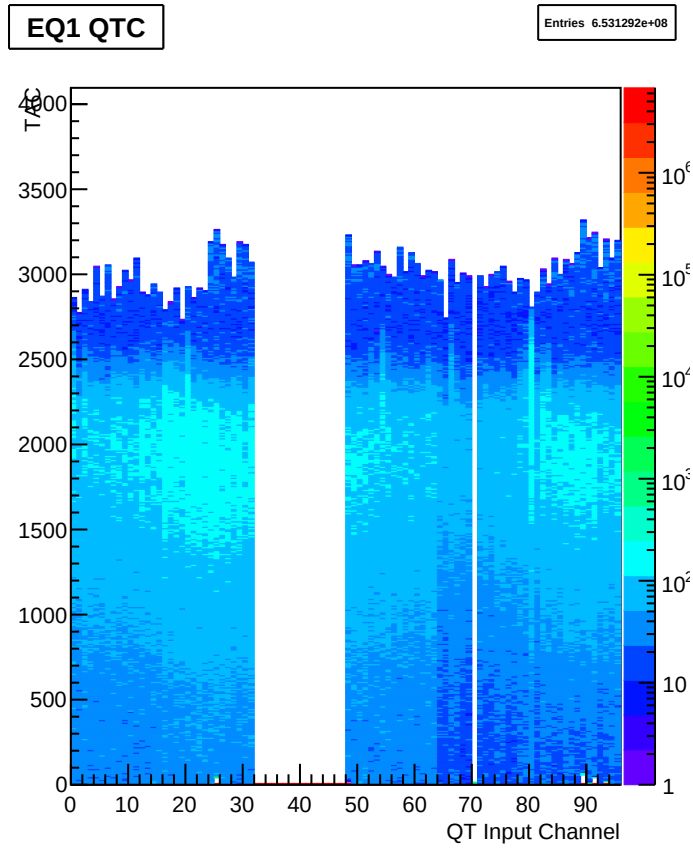

BBQ-VP002 West
Entries 1.088549e+08
ADC
QT Input Channel

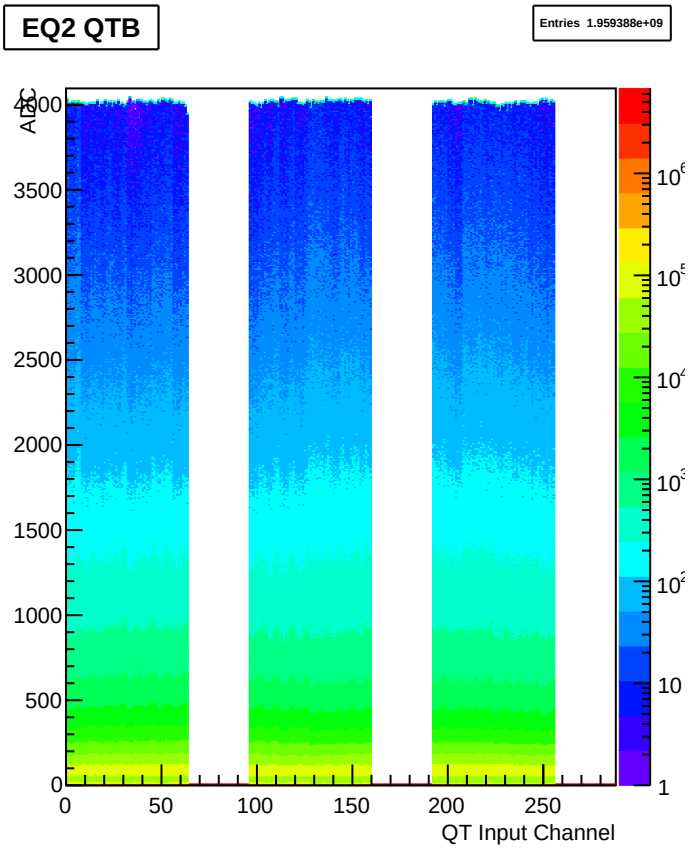

BBQ-VP002 West
Entries 1.088549e+08
TADC
QT Input Channel

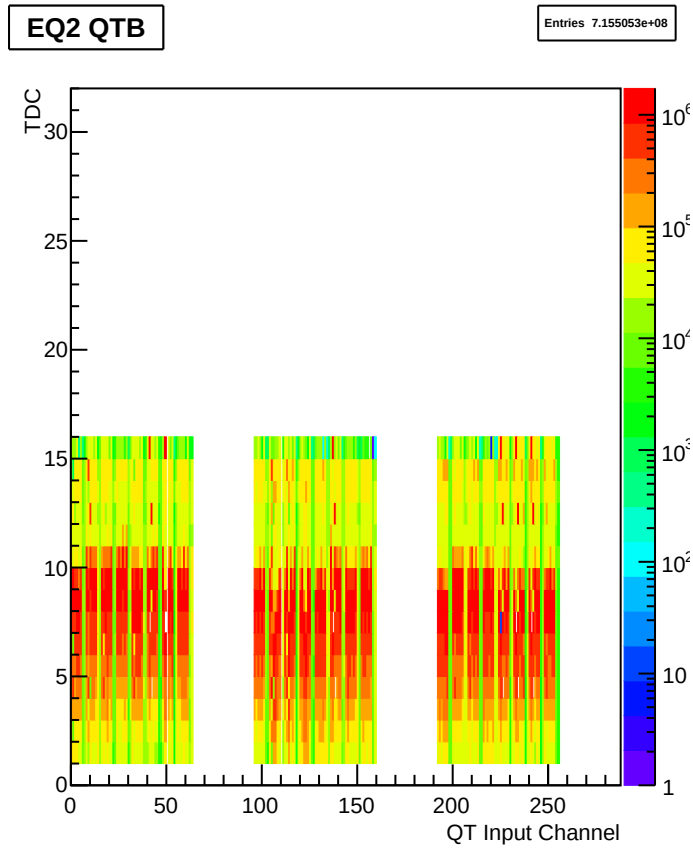

EQ1 QTB
Entries 1.959388e+09
ADC
QT Input Channel

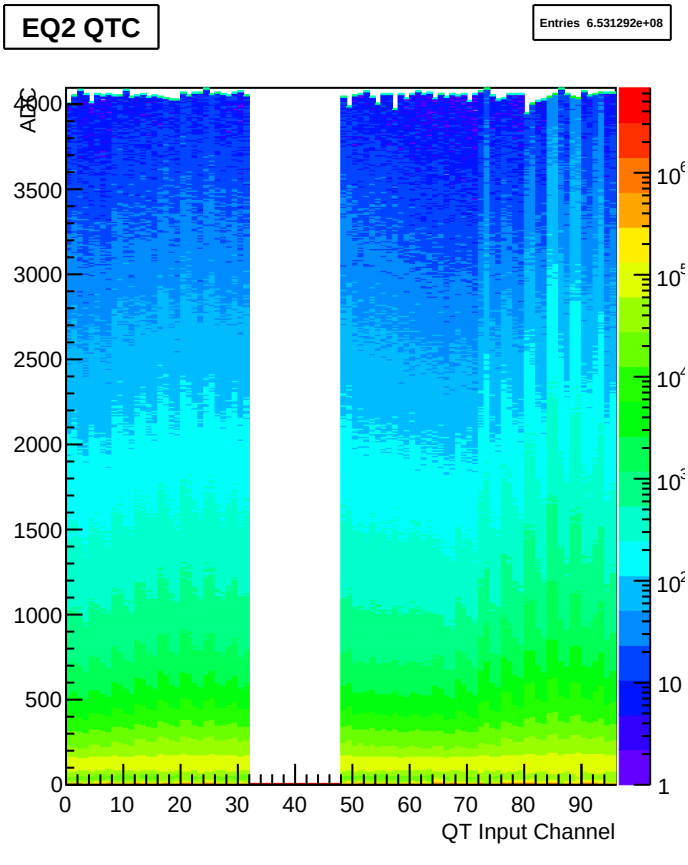

EQ1 QTB
Entries 2.079647e+08
TDC
QT Input Channel

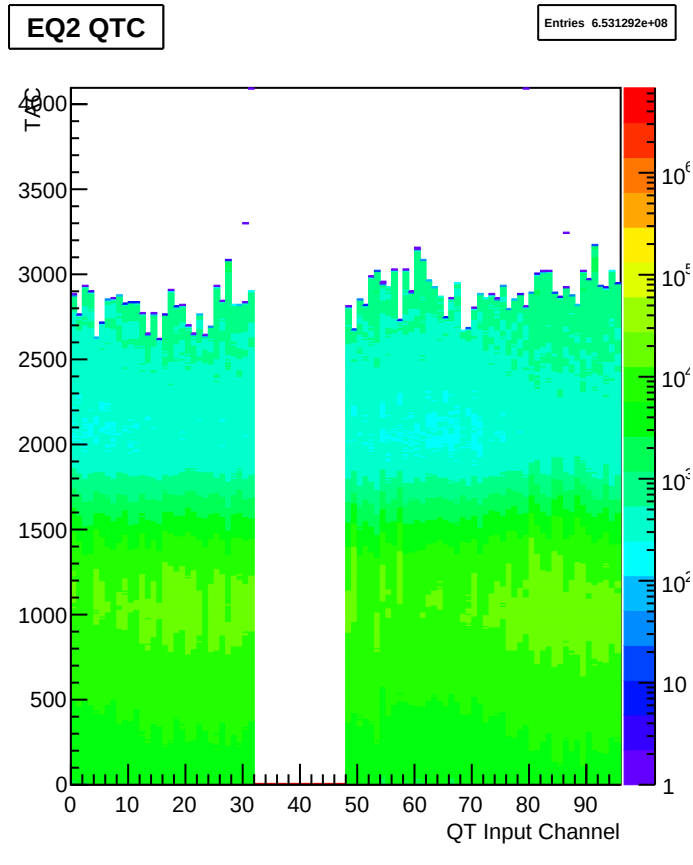

EQ1 QTC
Entries 6.531292e+08
ADC
QT Input Channel

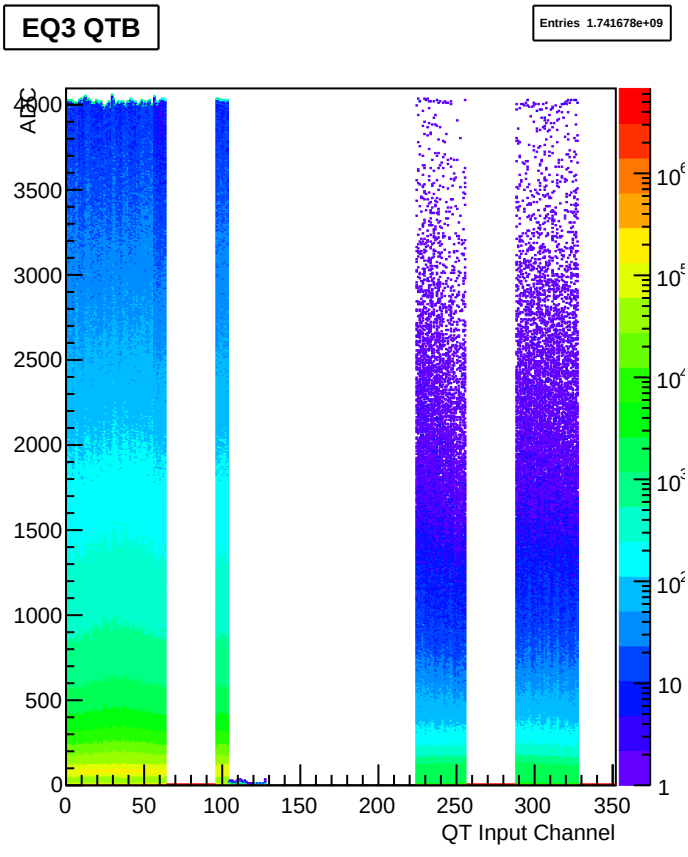

EQ1 QTC
Entries 6.531292e+08
TADC
QT Input Channel

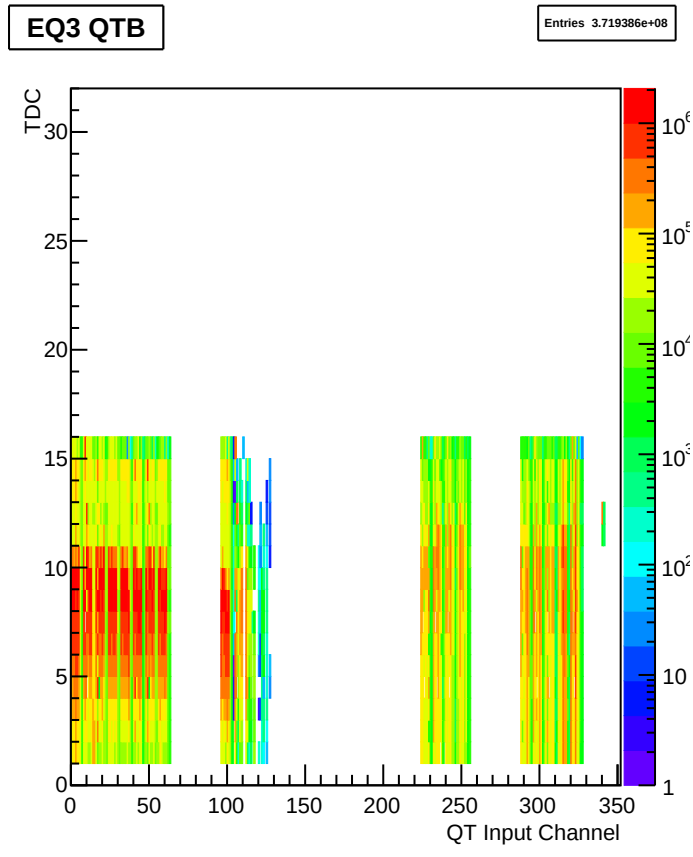

EQ2 QTB
Entries 1.959388e+09
ADC
QT Input Channel

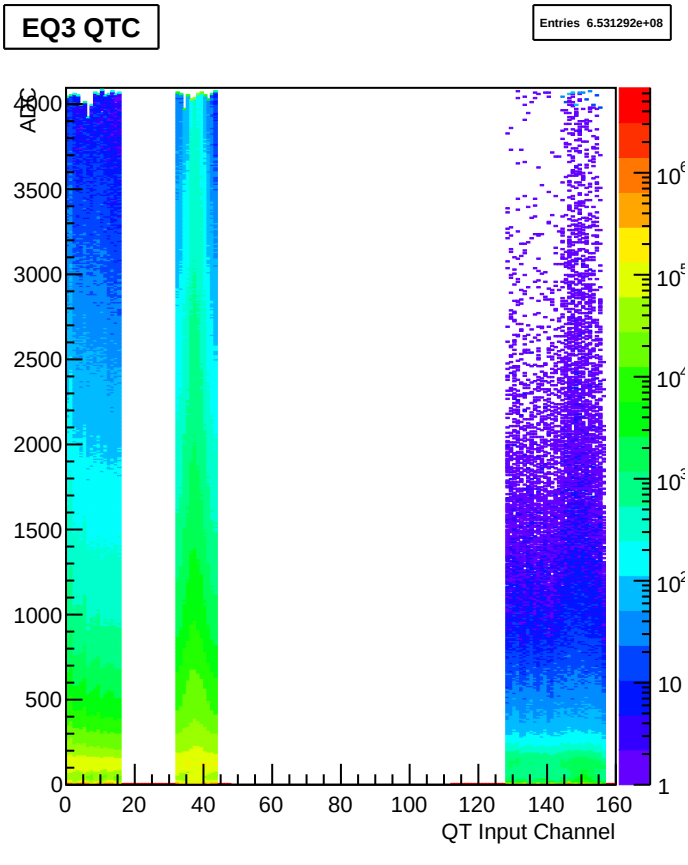

EQ2 QTB
Entries 7.155053e+08
TDC
QT Input Channel


EQ2 QTC
Entries 6.531292e+08
ADC
QT Input Channel


EQ2 QTC
Entries 6.531292e+08
TADC
QT Input Channel


EQ3 QTB
Entries 1.741678e+09
ADC
QT Input Channel


EQ3 QTB
Entries 3.719386e+08
TDC
QT Input Channel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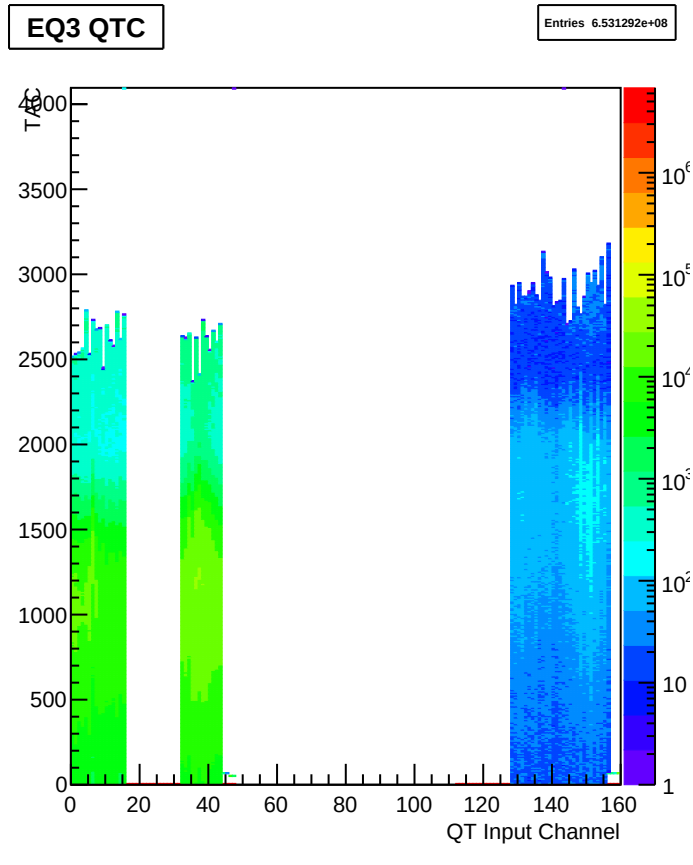
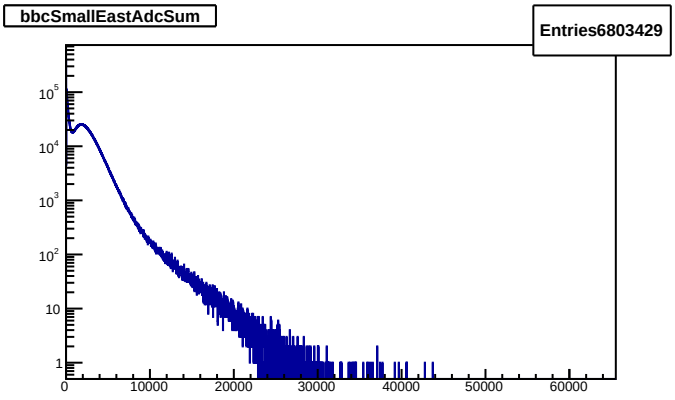
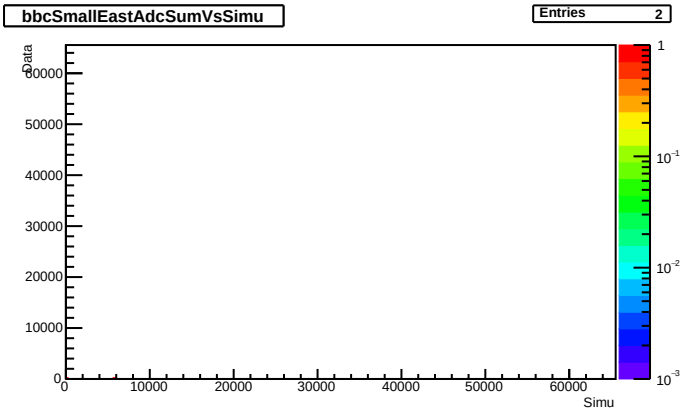
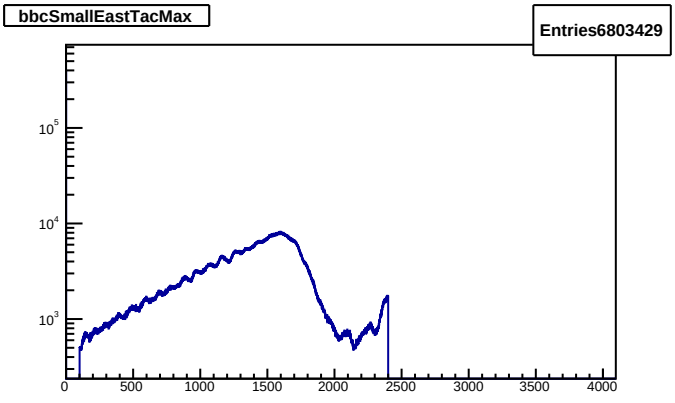
Entries 6.531292e+08
ADC
QT Input Channel


EQ3 QTC
Entries 6.531292e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries6803429


bbcSmallEastAdcSumVsSimu
Entries 2
Data
Simu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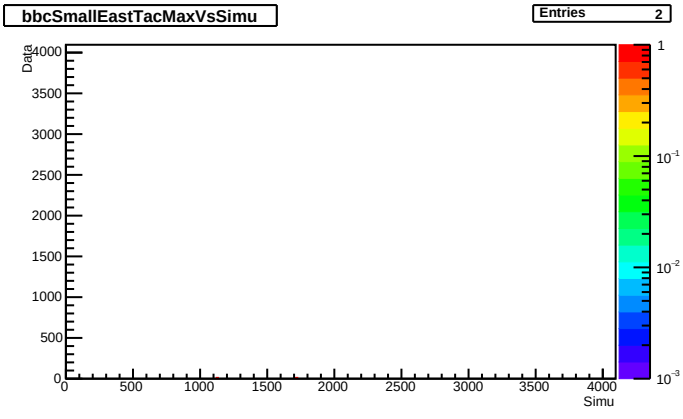
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Entries 2
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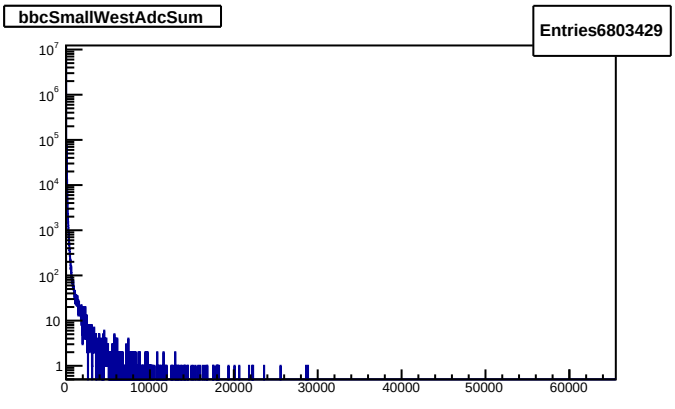
Simu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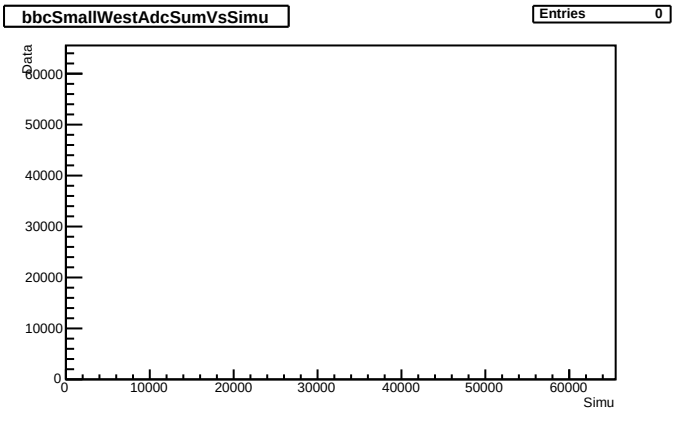
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Entries 0
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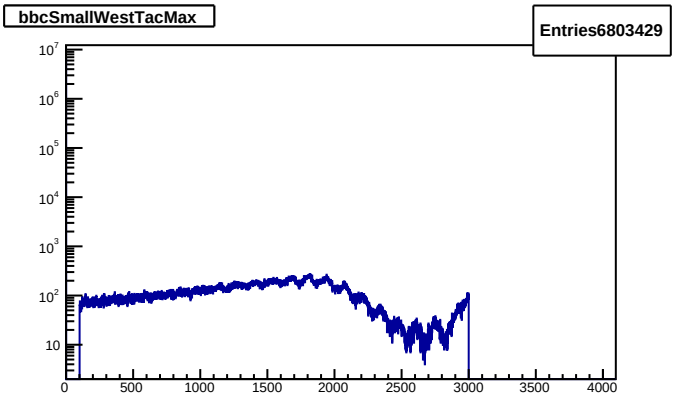
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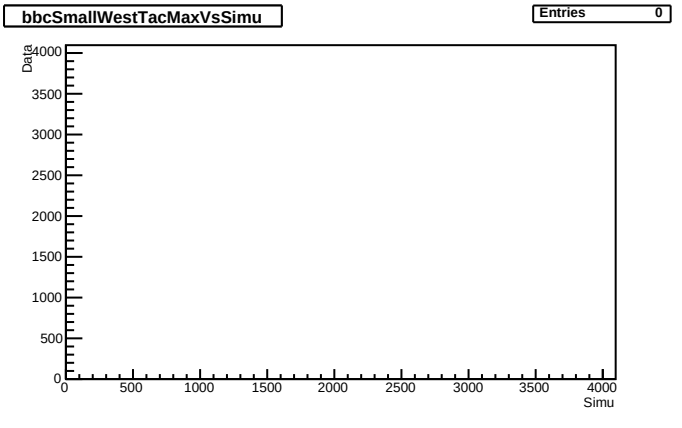
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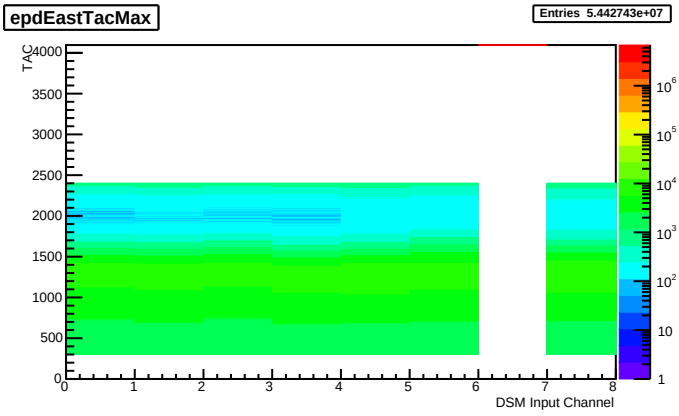
Entries 0
Data
Simu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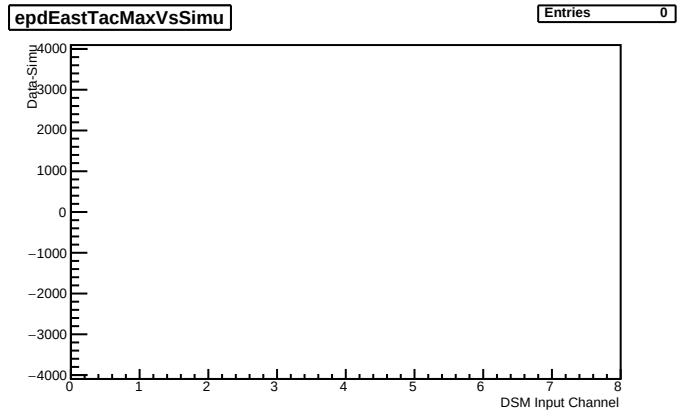
TAC
DSM Input Channel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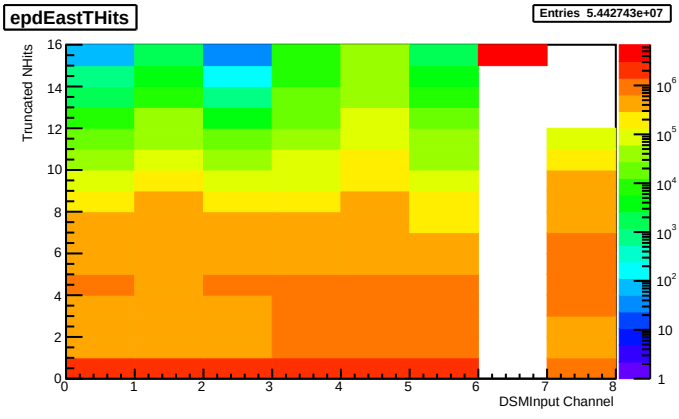
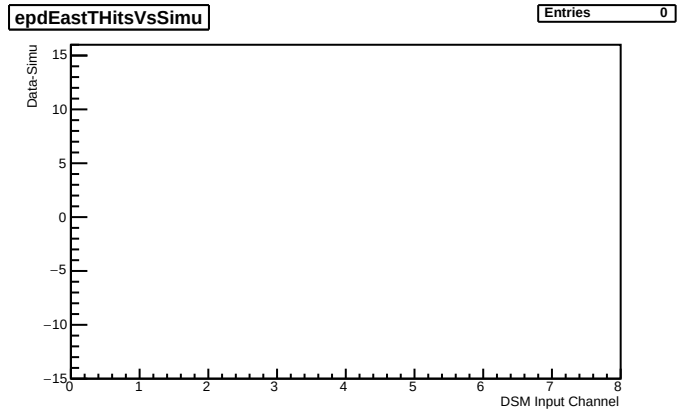
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5.442743e+07
Truncated NHits
DSMInput Channel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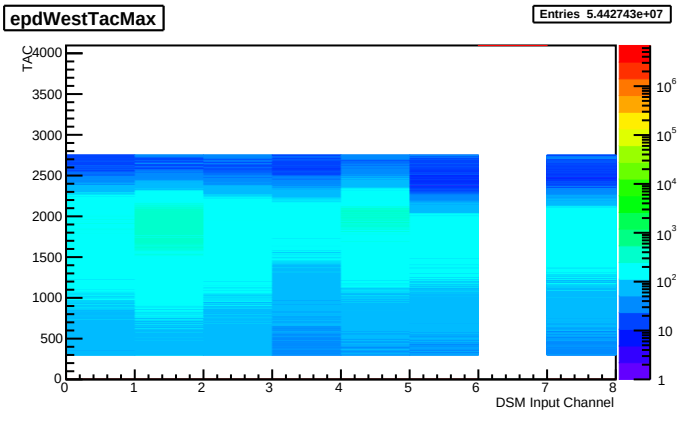
Entries 0
Data-Simu
DSM Input Channel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TAC
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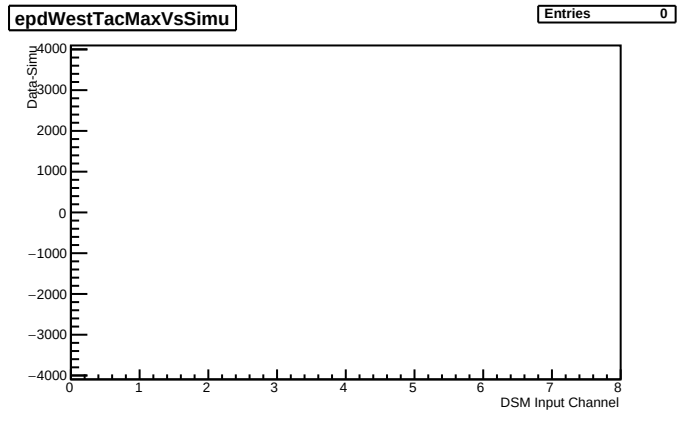
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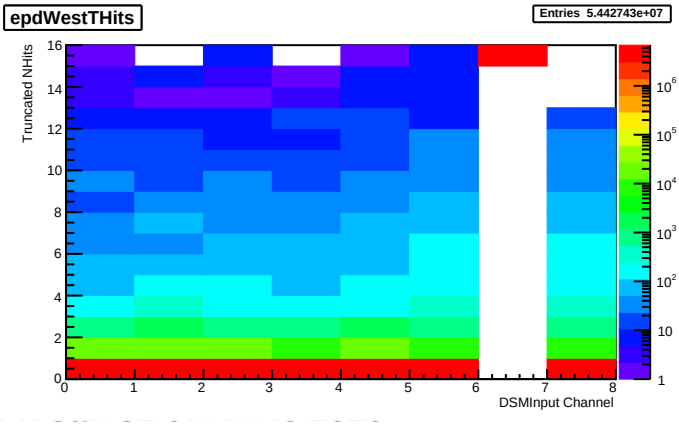
Entries 0
Data-Simu
DSM Input Channel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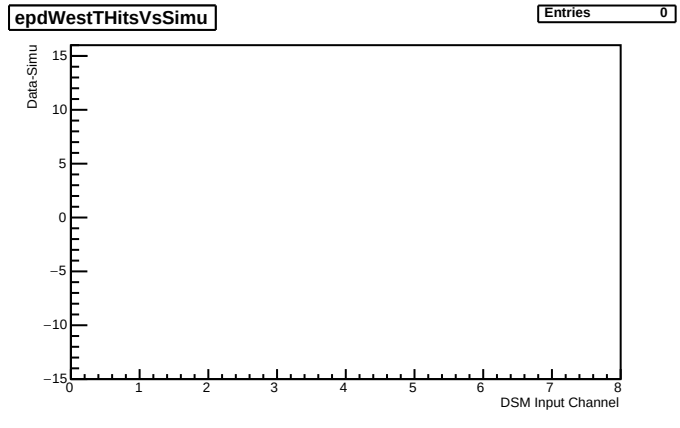
Entries 5.442743e+07
Truncated NHits
DSMInput Channel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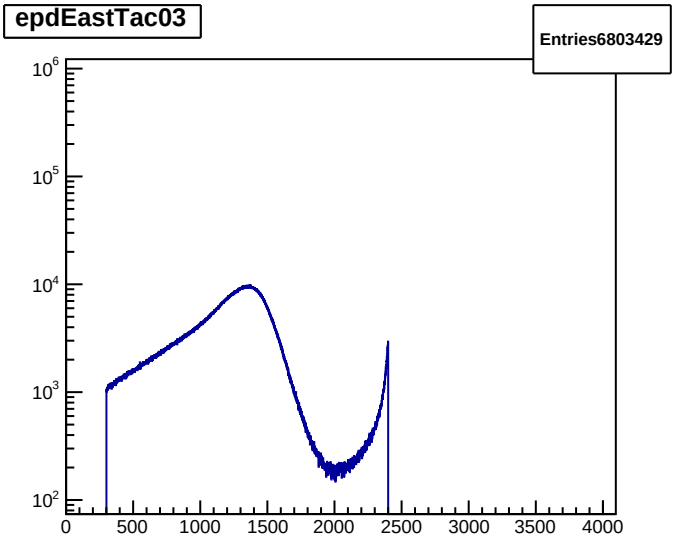
DSM Input Channel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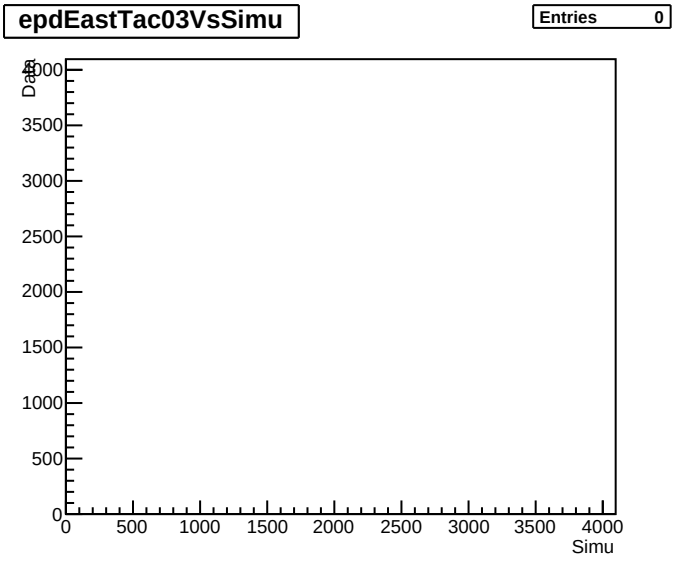
Entries6803429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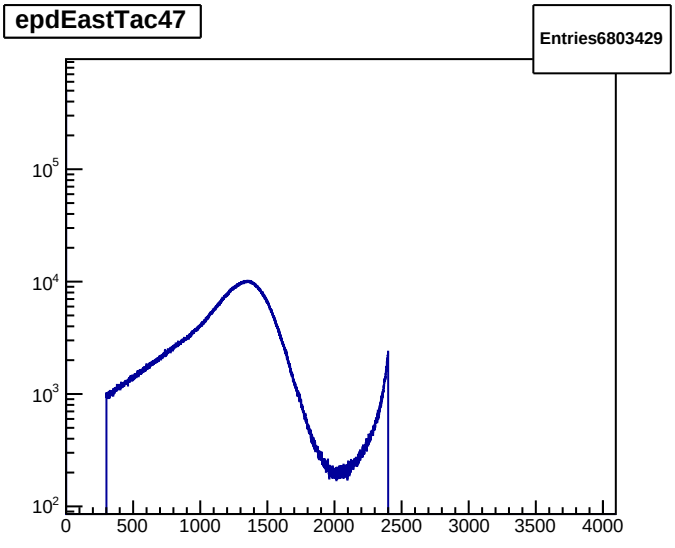
Entries 0
Data
Simu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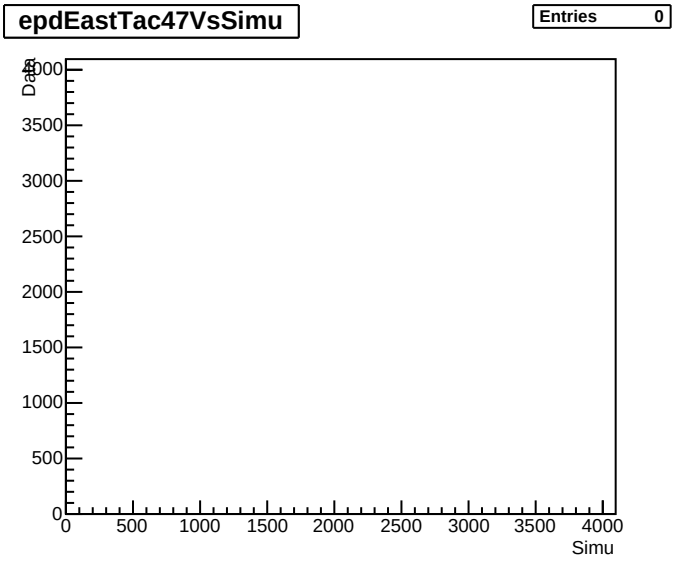
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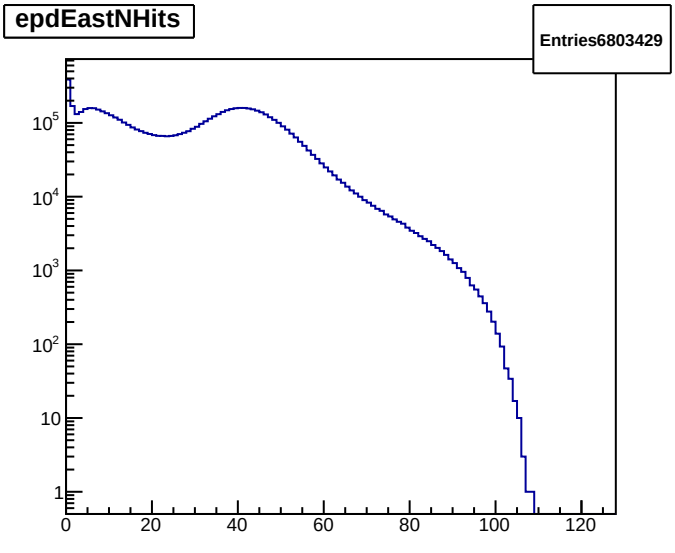
Entries 0
Data
Simu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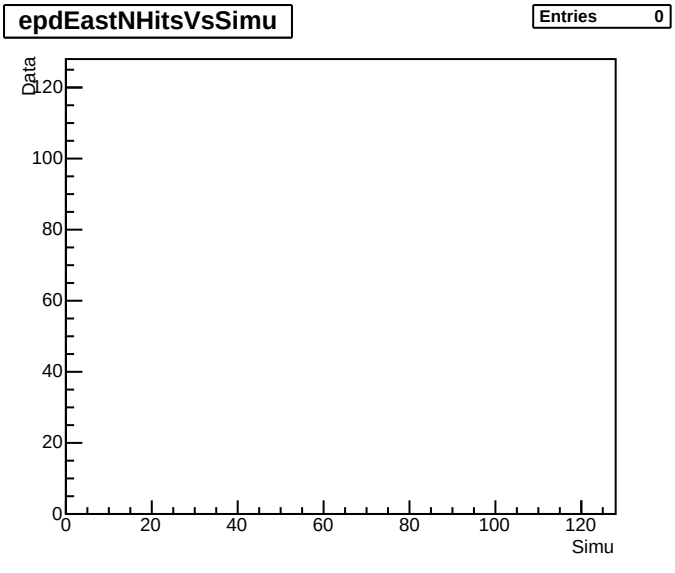
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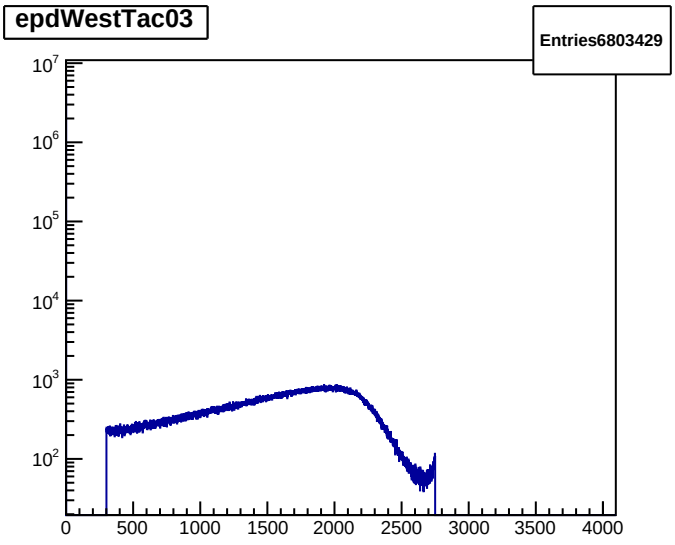
Entries 0
Data
Simu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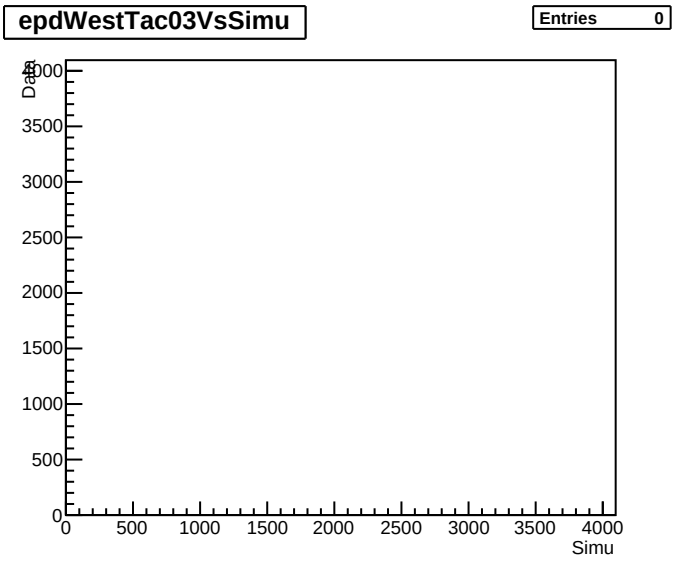
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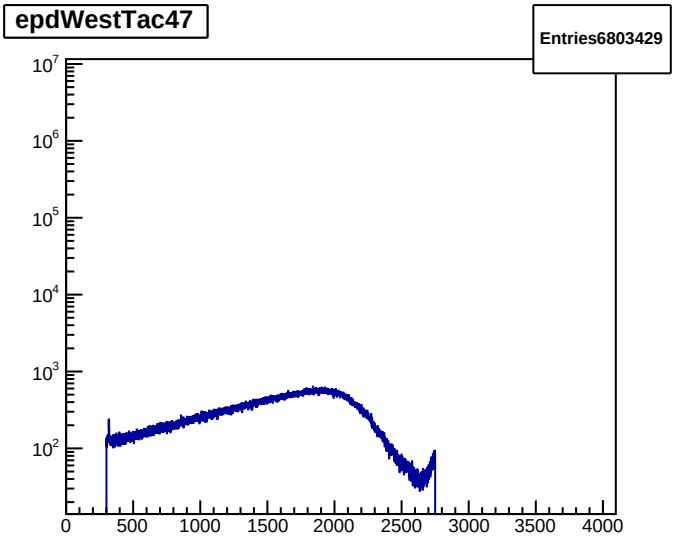
Entries 0
Data
Simu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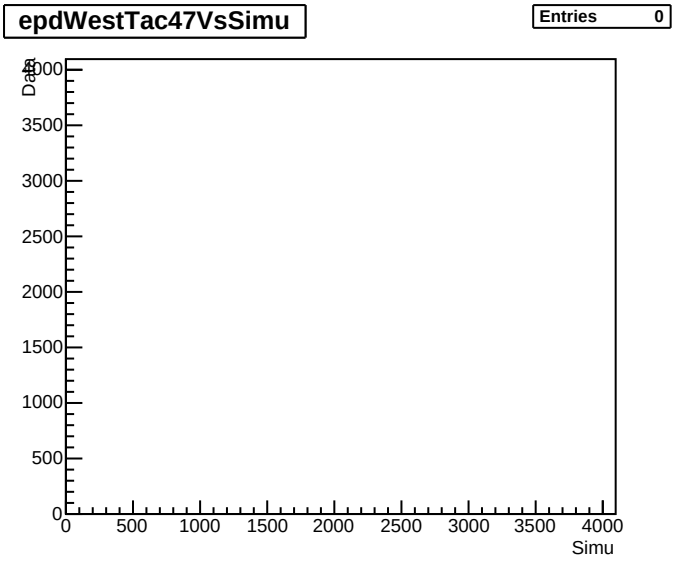
Entries6803429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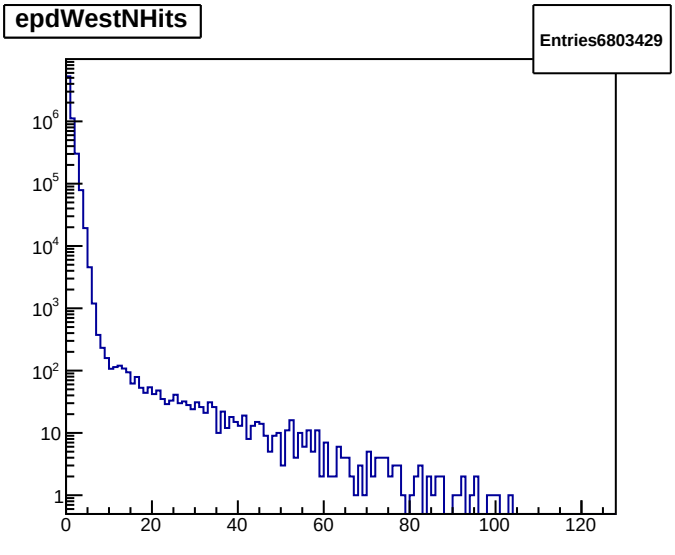
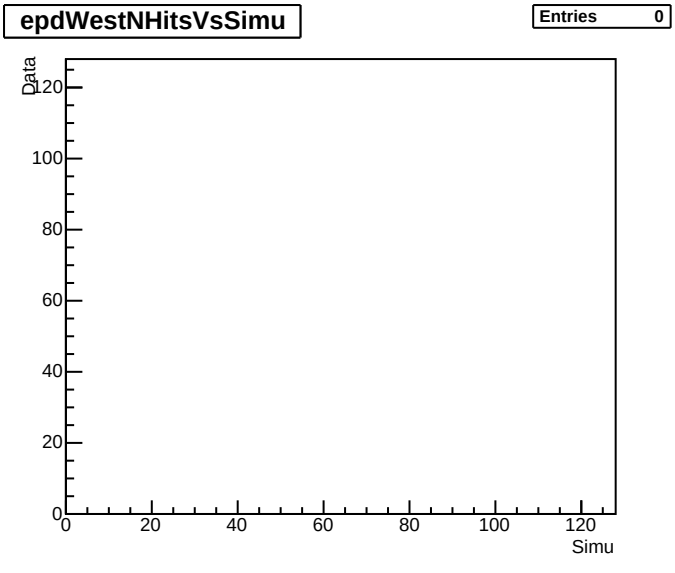
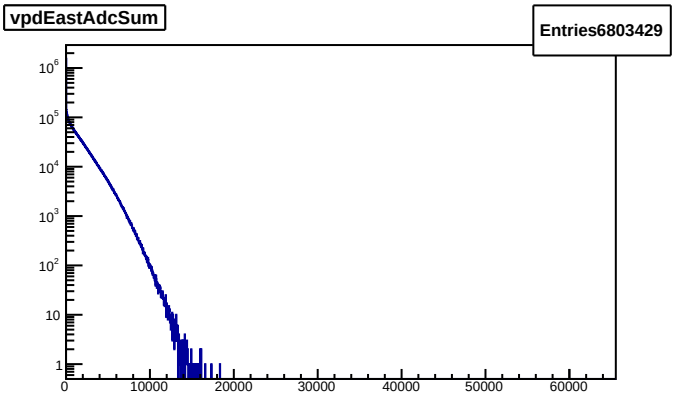
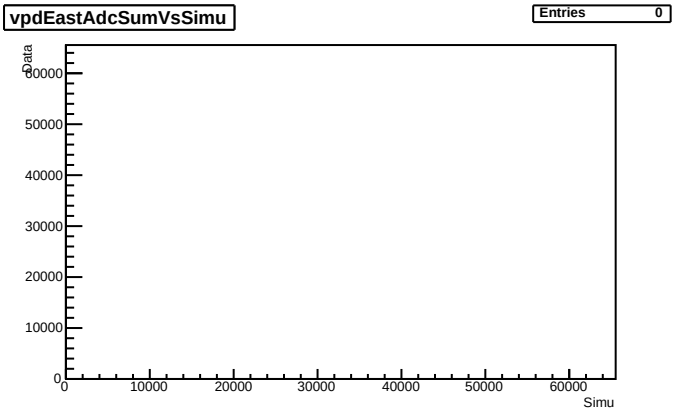
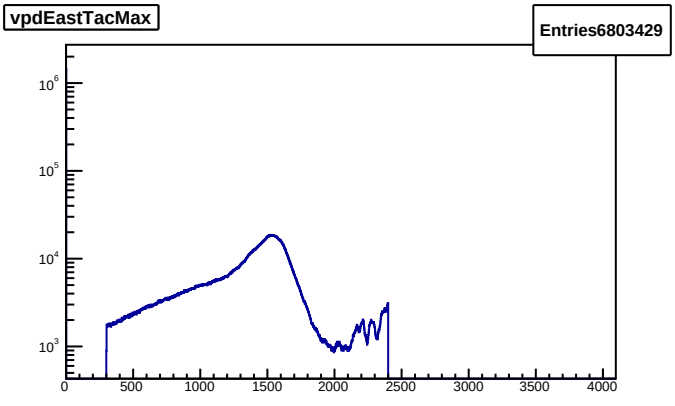
Entries 0
Data
Simu


epdWestNHits
Entries6803429


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries6803429


vpdEastAdcSumVsSimu
Entries 0
Data
Simu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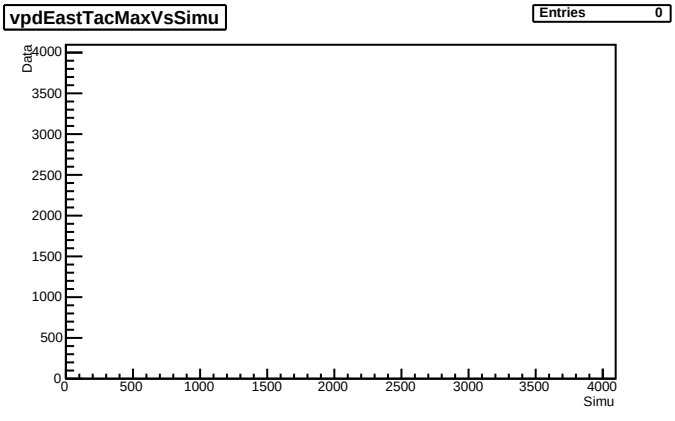
Entries6803429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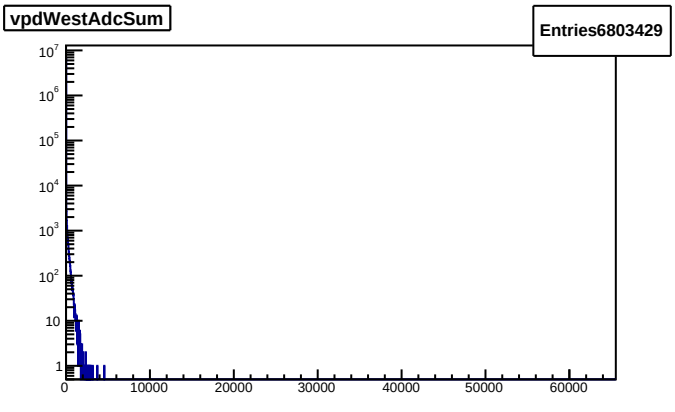
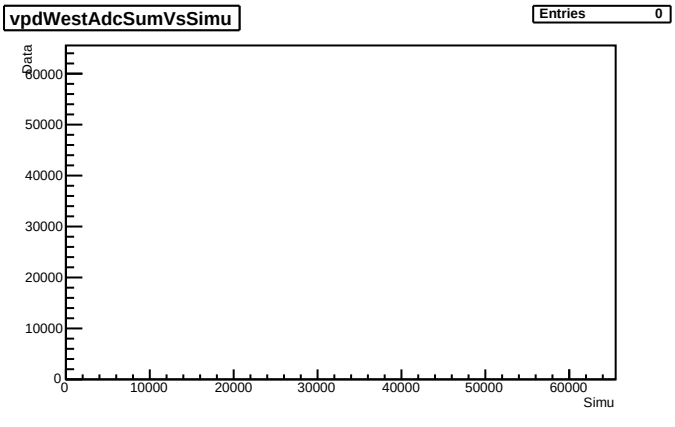
Entries 0
Data
Simu


vpdWestAdcSum
Entries6803429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Entries 0
Data
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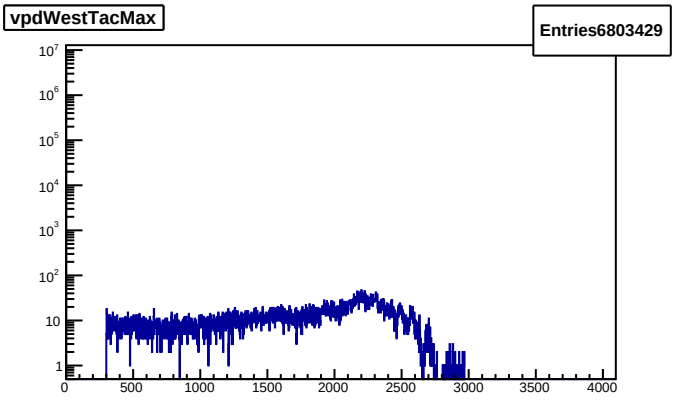
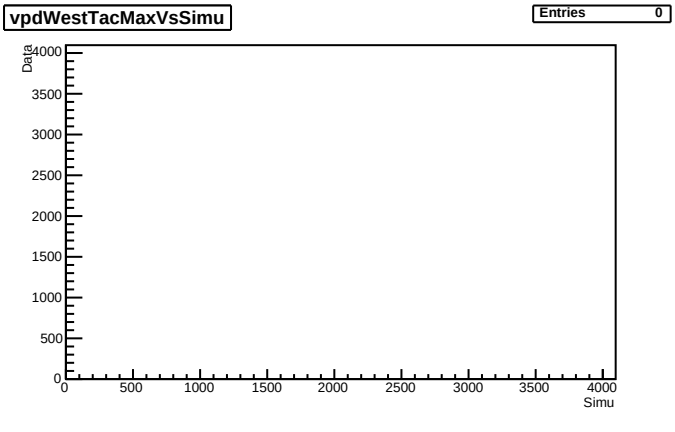
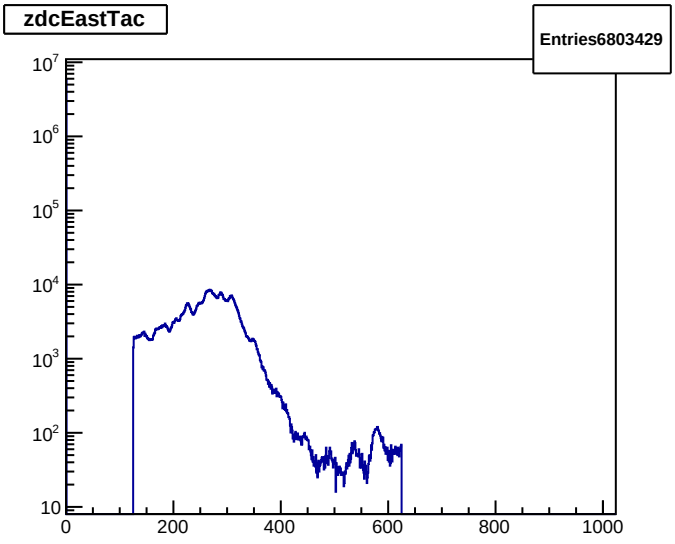
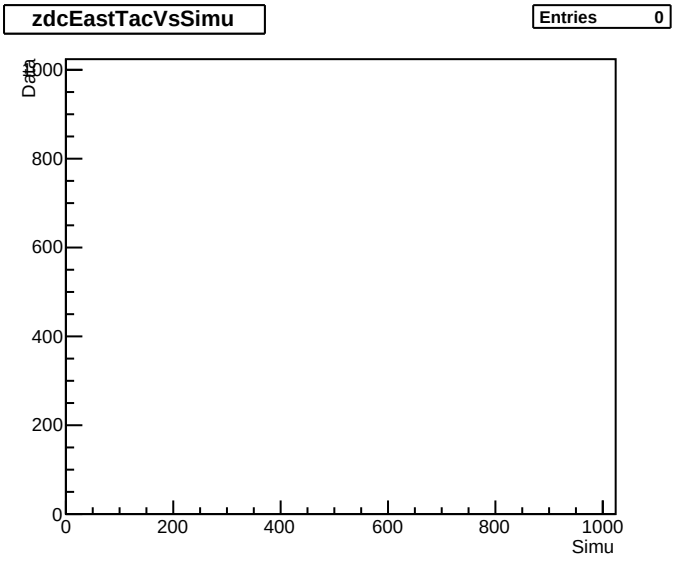
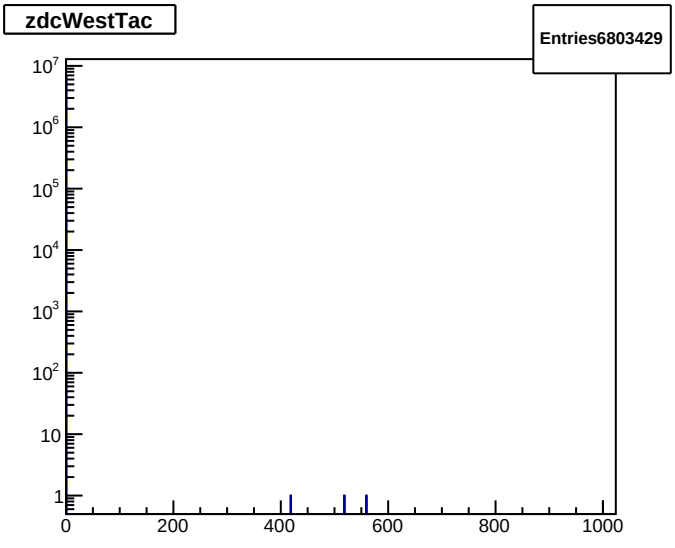
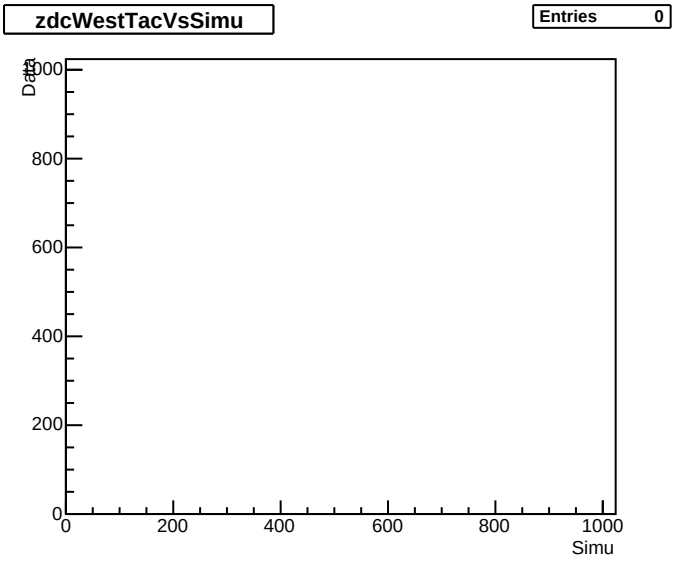

vpdWestTacMax
Entries6803429

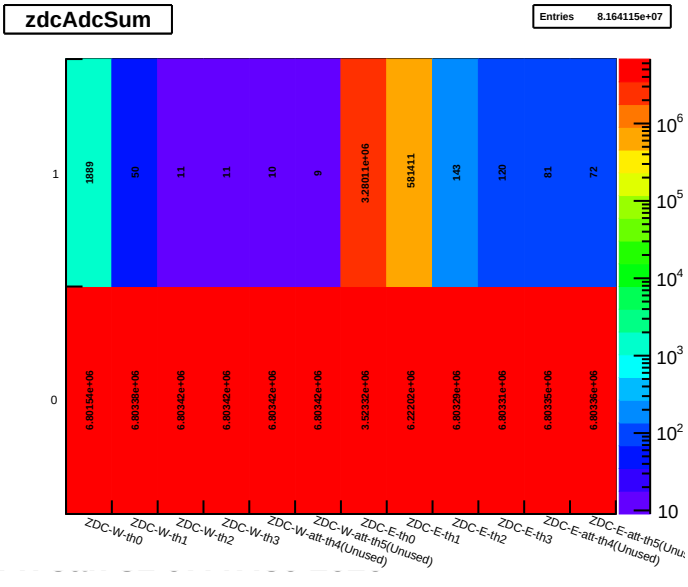

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

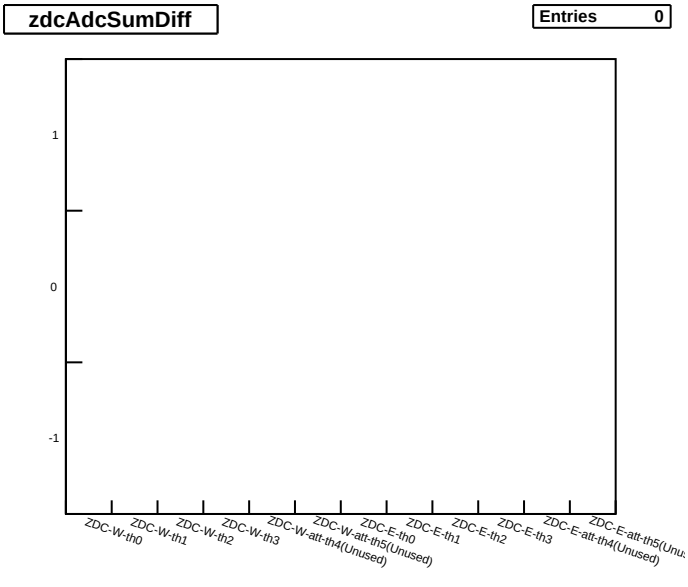

zdcEastTac
Entries6803429

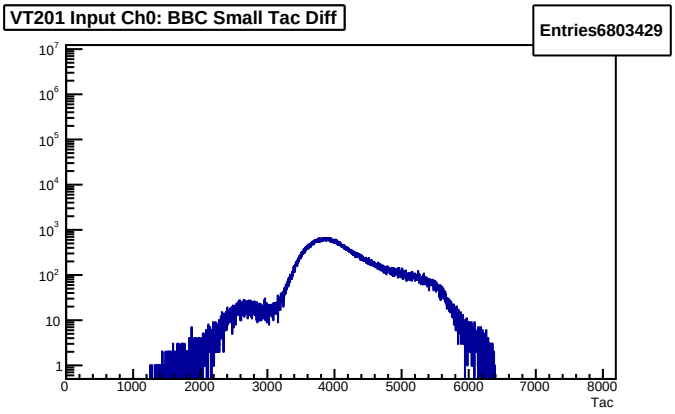

zdcEastTacVsSimu
Entries 0
Data
Simu

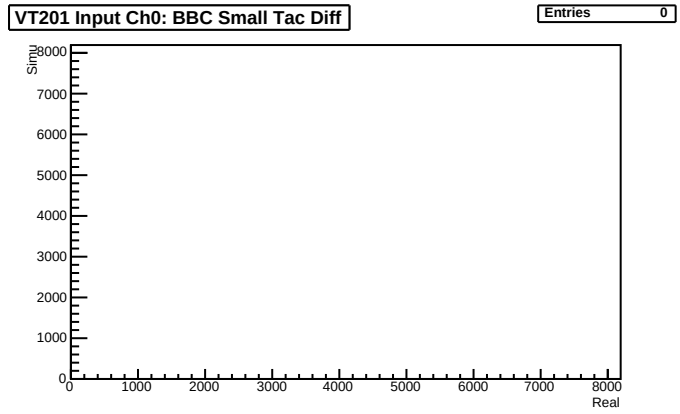

zdcWestTac
Entries6803429

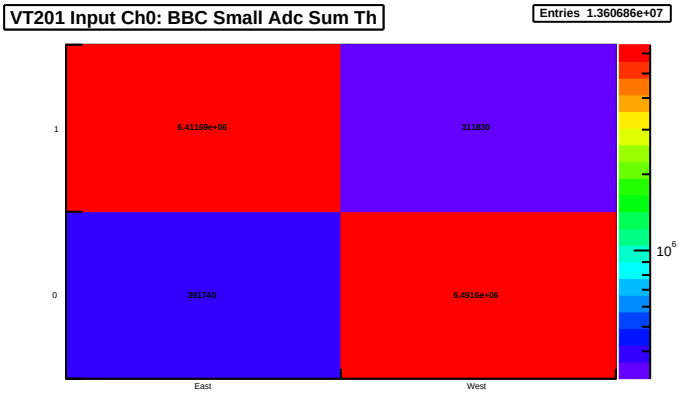

zdcWestTacVsSimu
Entries 0
Data
Simu

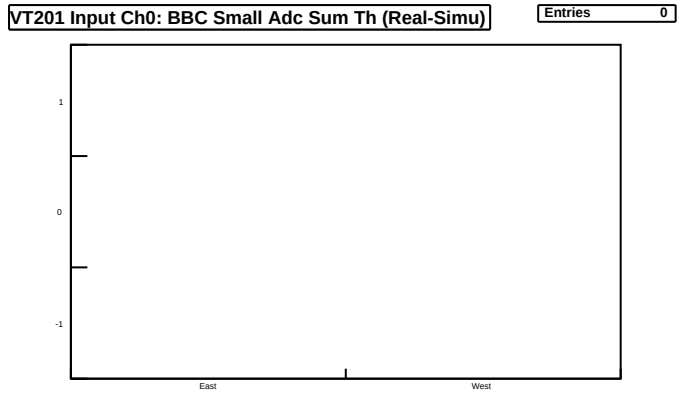

zdcAdcSum
Entries 8.164115e+07
1889
50
11
11
10
9
3.28011e+06
581411
143
120
81
72
6.80154e+06
6.80338e+06
6.80342e+06
6.80342e+06
6.80342e+06
6.80342e+06
3.52332e+06
6.22202e+06
6.80328e+06
6.80331e+06
6.80335e+06
6.80336e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

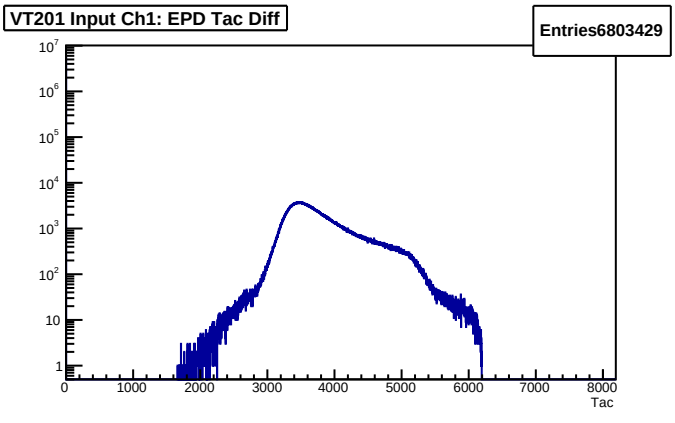

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

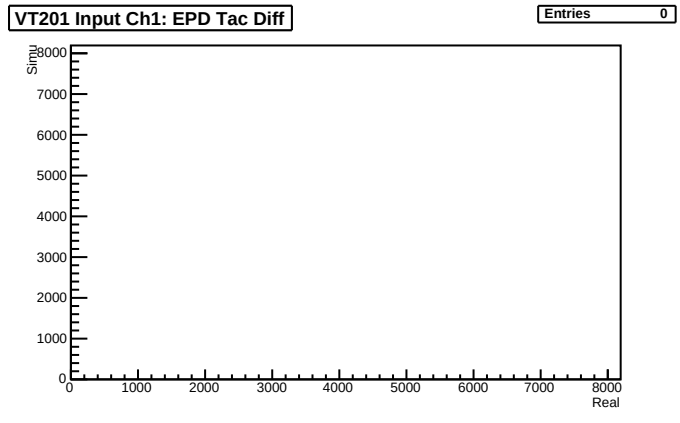

VT201 Input Ch0: BBC Small Tac Diff
Entries6803429
Tac

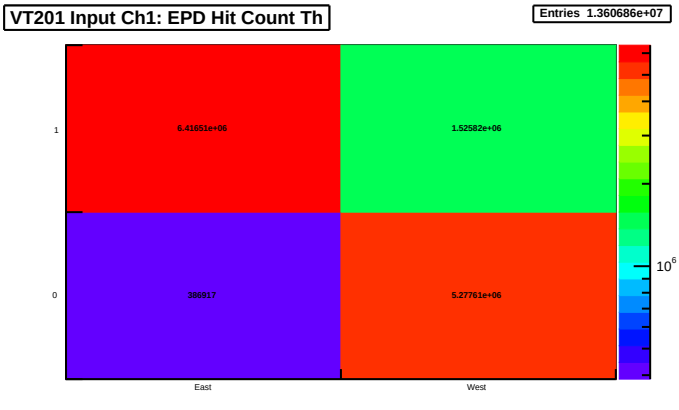

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

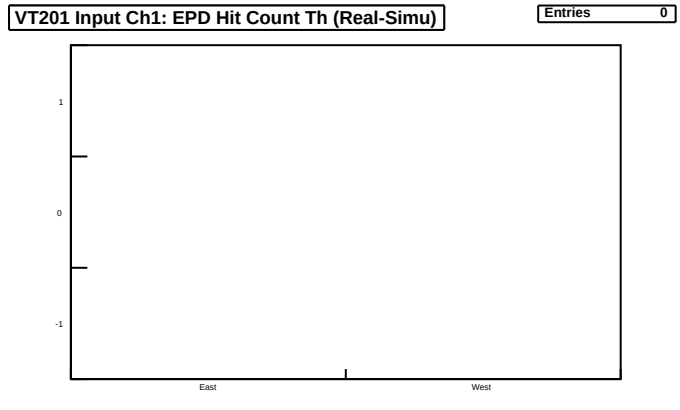

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.360686e+07
6.41169e+06
311830
391740
6.4916e+06
East
West

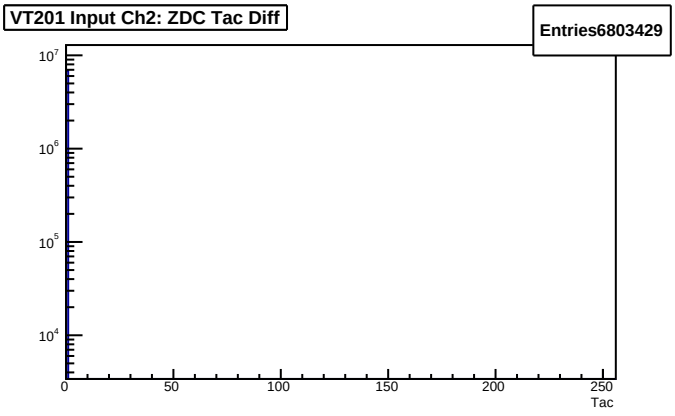

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

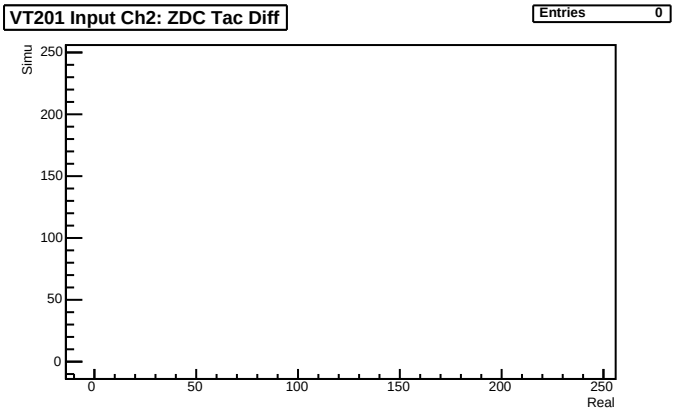

VT201 Input Ch1: EPD Tac Diff
Entries6803429
Tac

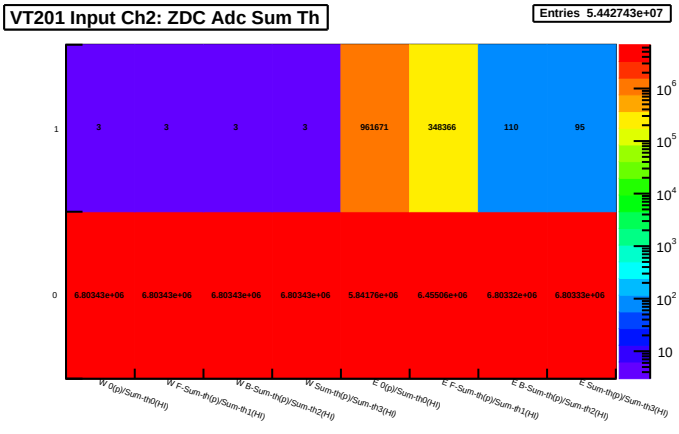

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

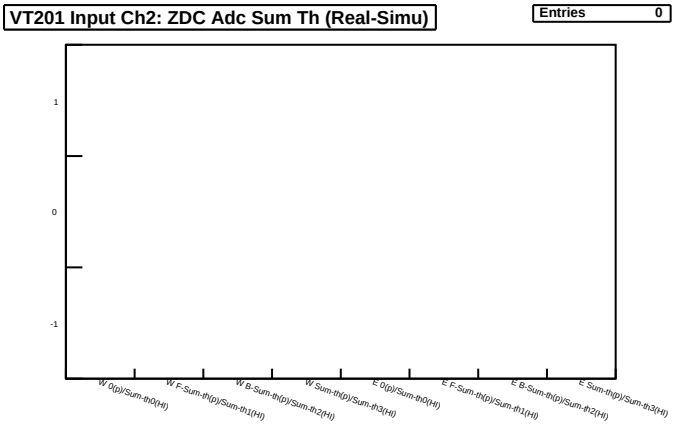

VT201 Input Ch1: EPD Hit Count Th
Entries 1.360686e+07
6.41651e+06
1.52582e+06
386917
5.27761e+06
East
West

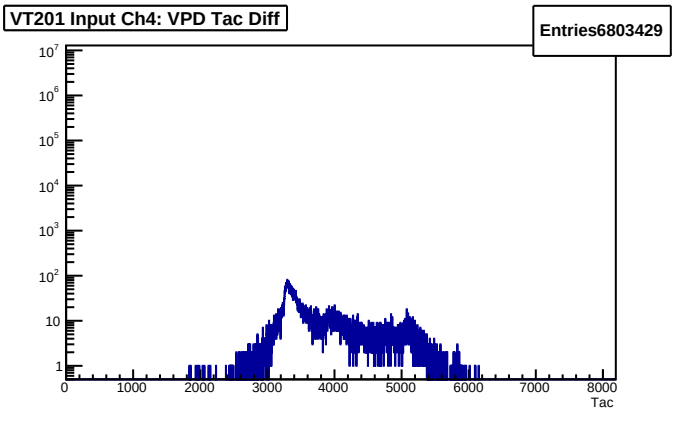

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

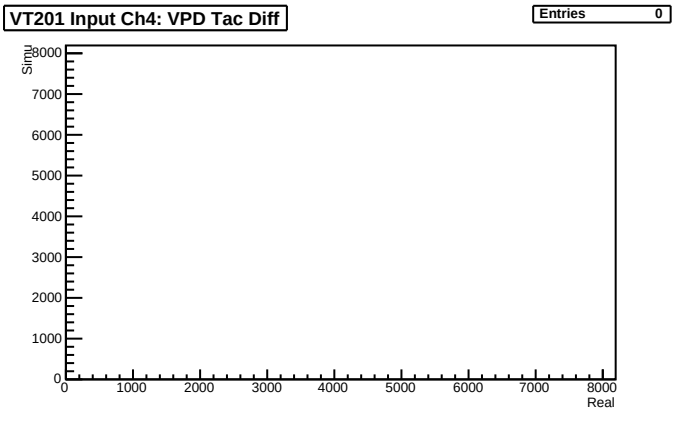

VT201 Input Ch2: ZDC Tac Diff
Entries6803429
Tac

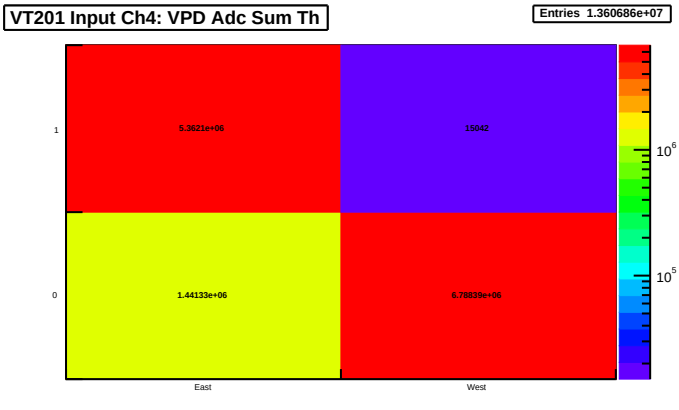

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

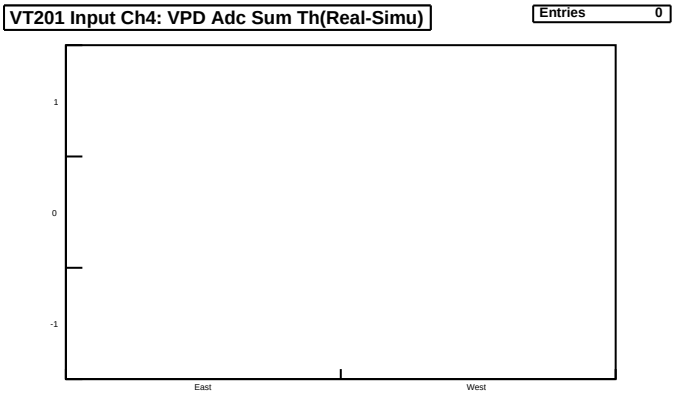

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5.442743e+07
3
3
3
3
961671
348366
110
95
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
5.84176e+06
6.45506e+06
6.80332e+06
6.80333e+06
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

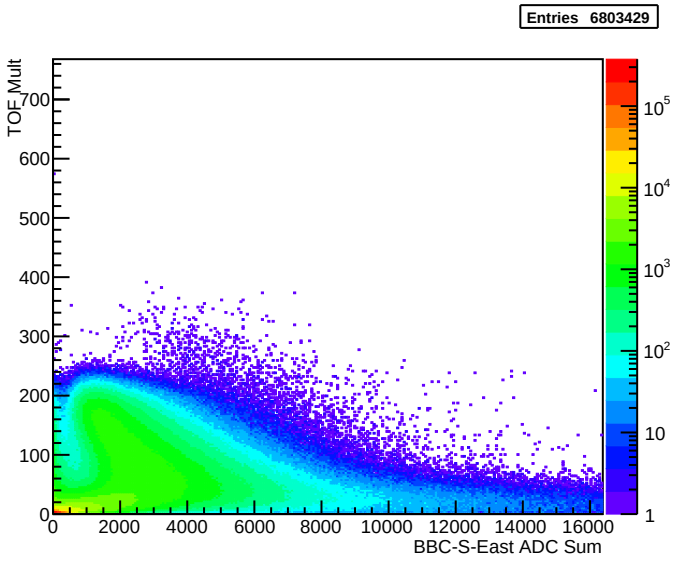

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

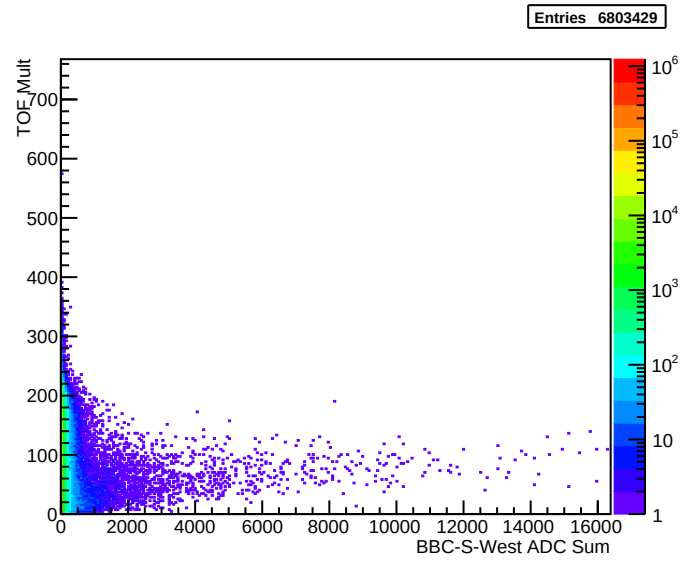

VT201 Input Ch4: VPD Tac Diff
Entries6803429
Tac

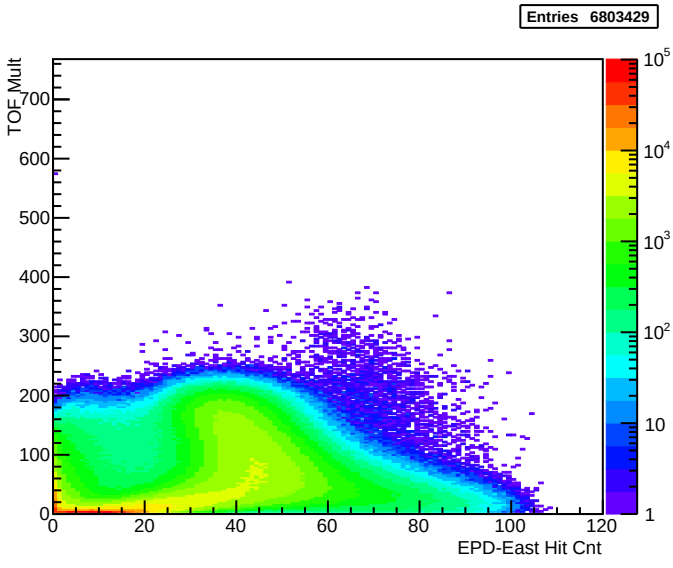

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

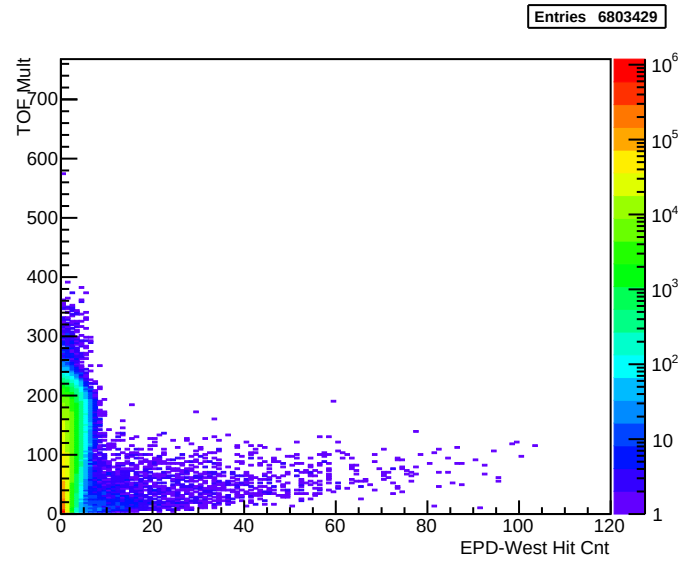

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.360686e+07
5.3621e+06
15042
1.44133e+06
6.78839e+06
East
West

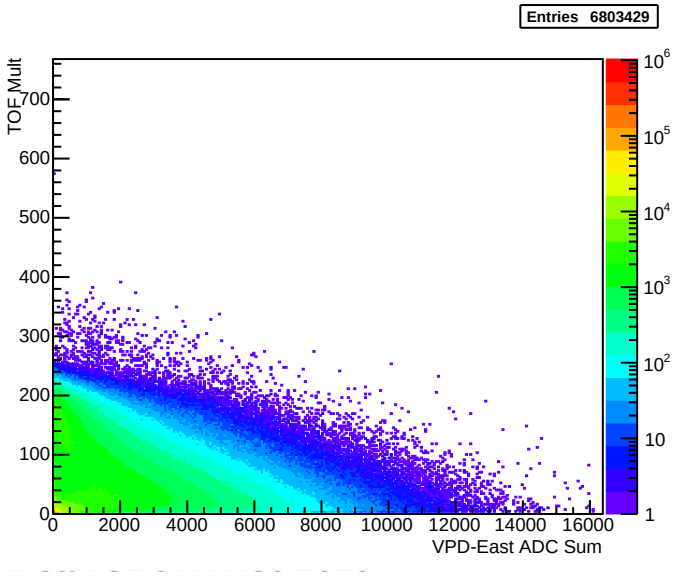

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

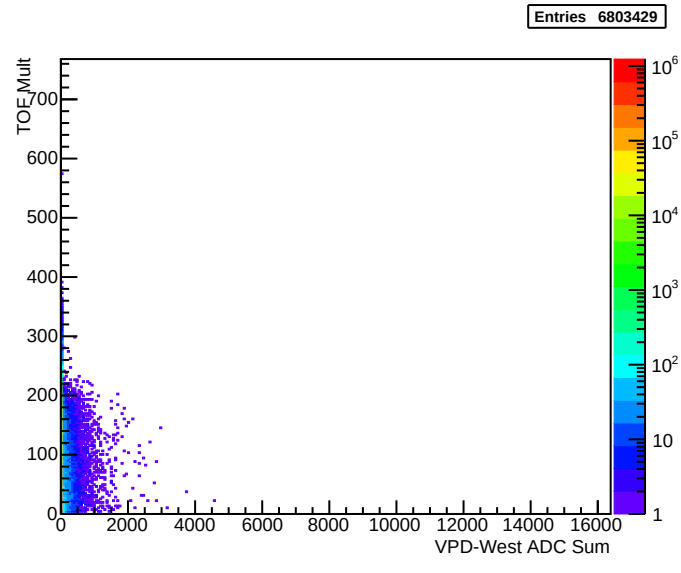

Entries 6803429
TOF_Mult
BBC-S-East ADC Sum

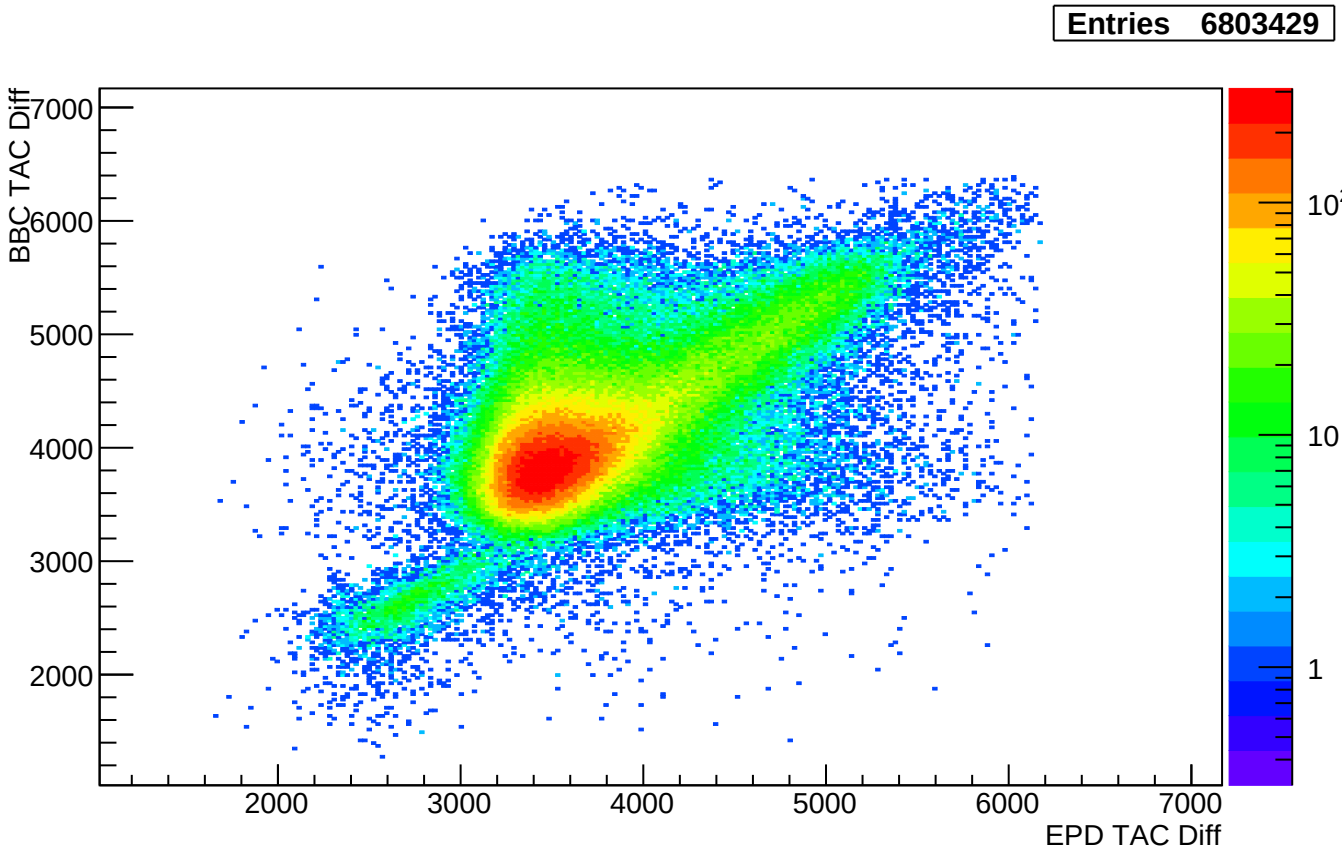

Entries 6803429
TOF_Mult
BBC-S-West ADC Sum

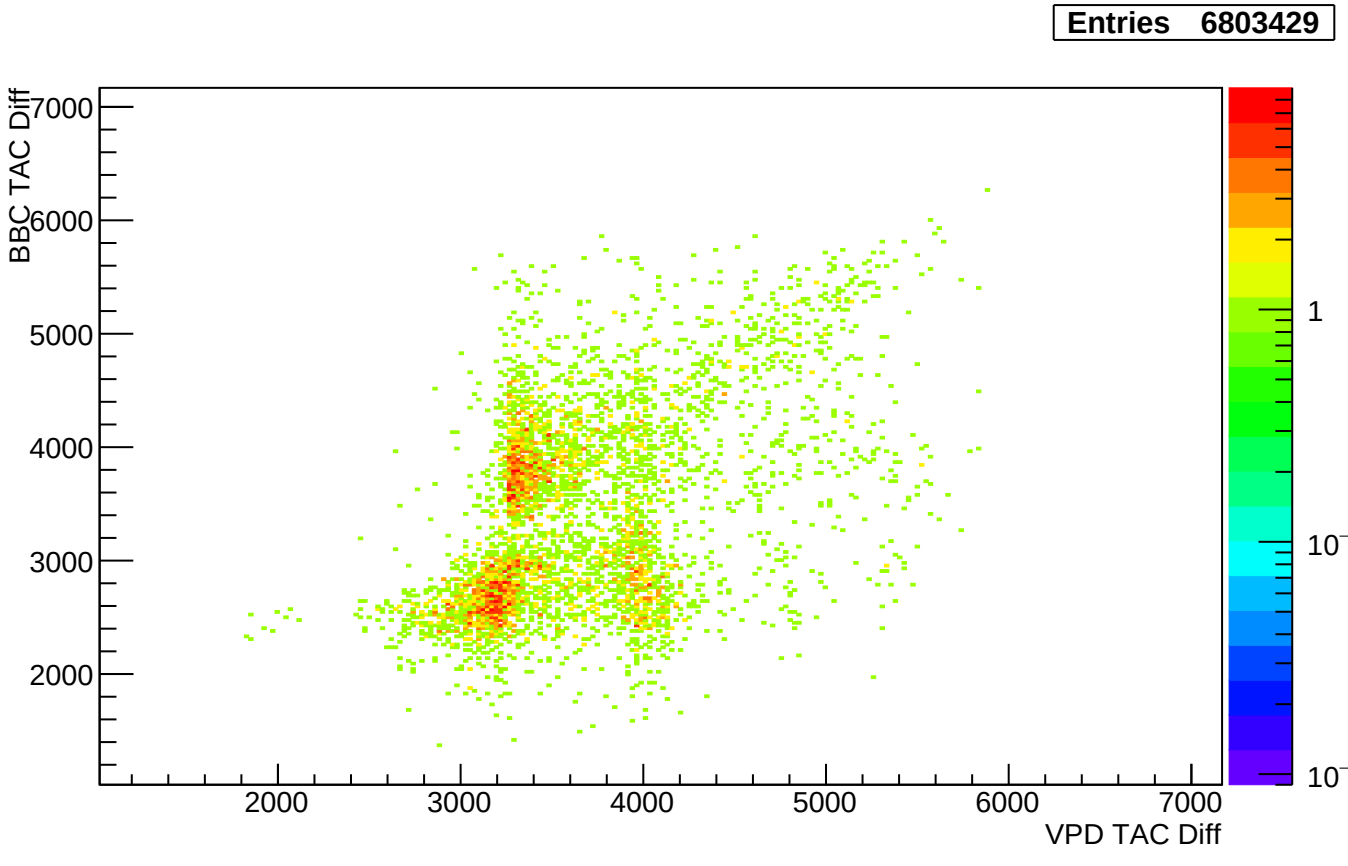

Entries 6803429
TOF_Mult
EPD-East Hit Cnt

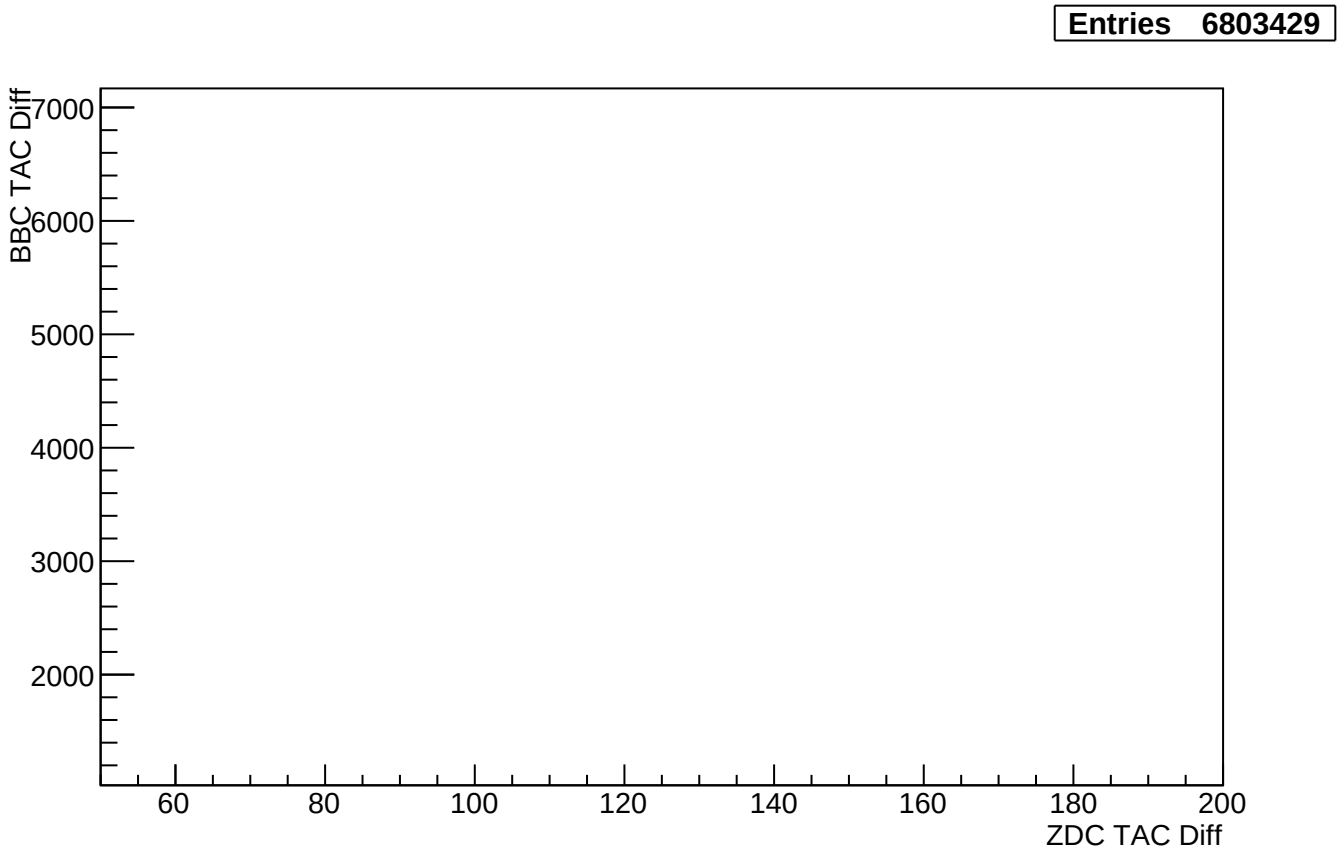

Entries 6803429
TOF_Mult
EPD-West Hit Cnt

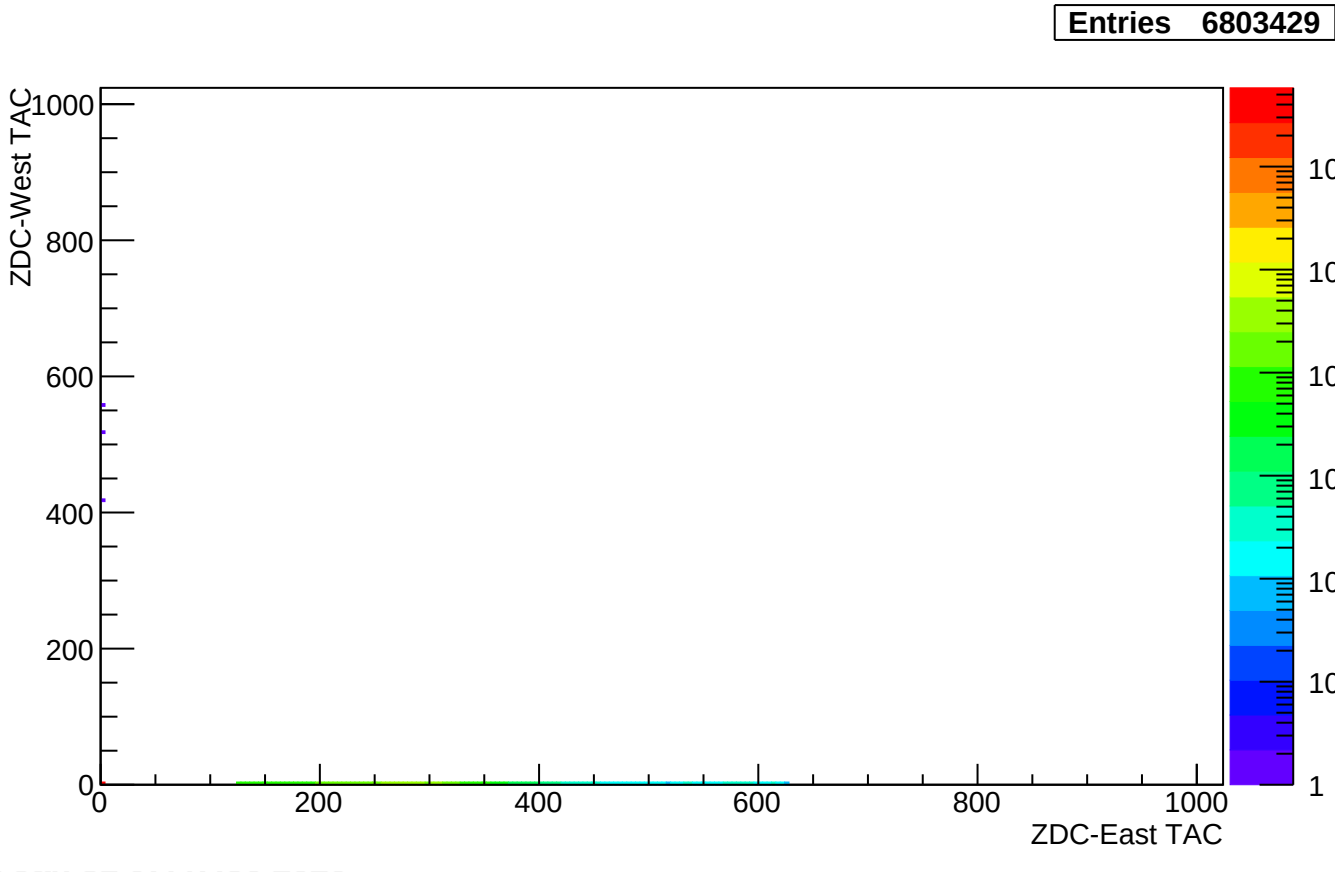

Entries 6803429
TOF_Mult
VPD-East ADC Sum

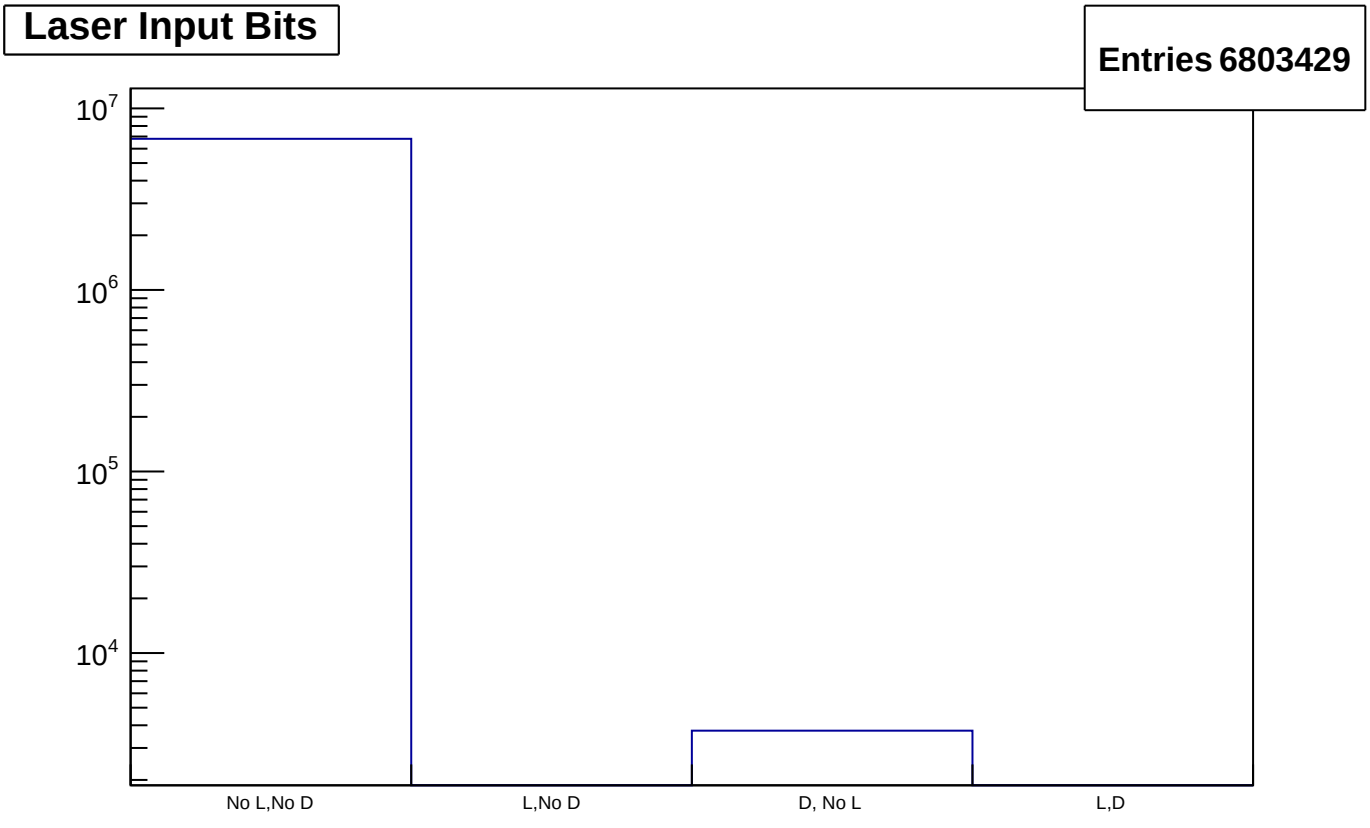

Entries 6803429
TOF_Mult
VPD-West ADC Sum

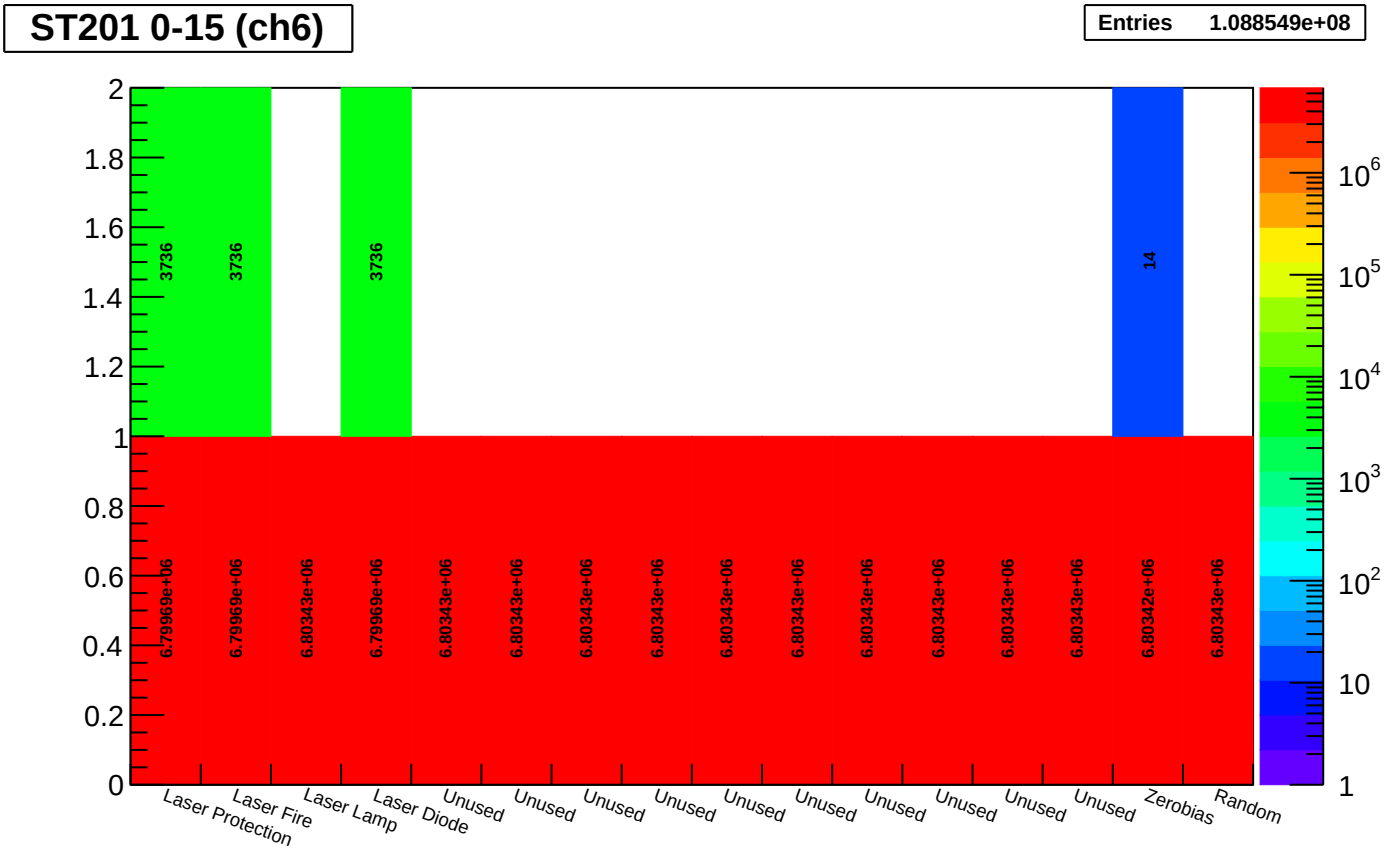

Entries 6803429
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

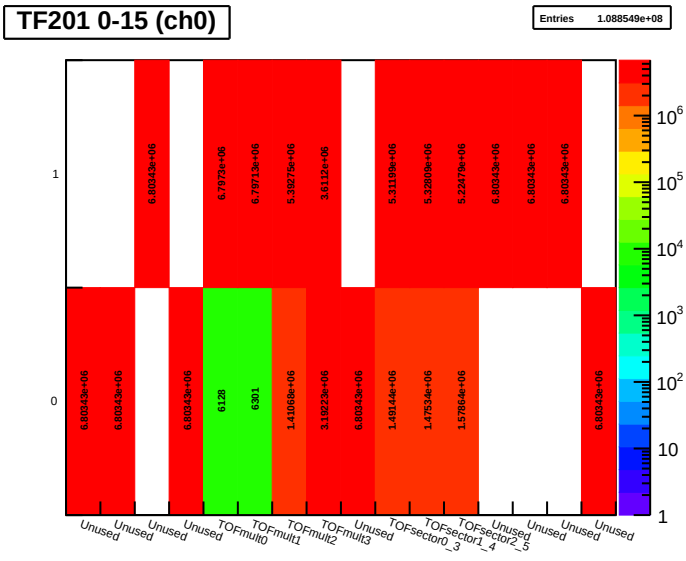

Entries 6803429
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

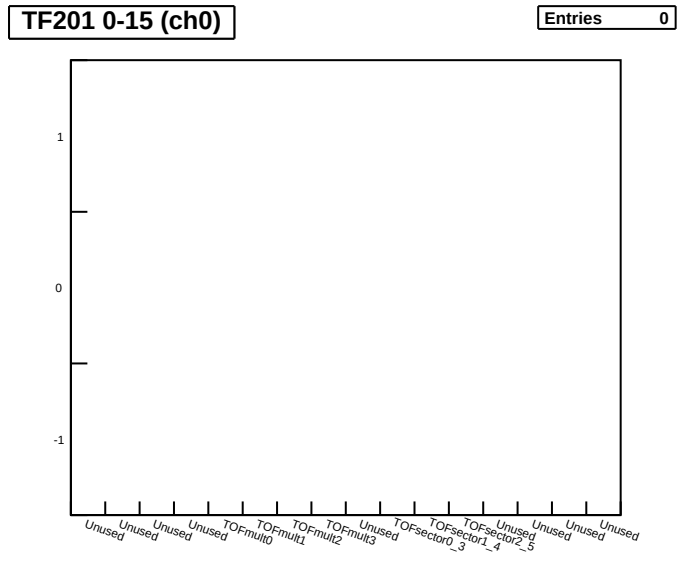

Entries 6803429
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

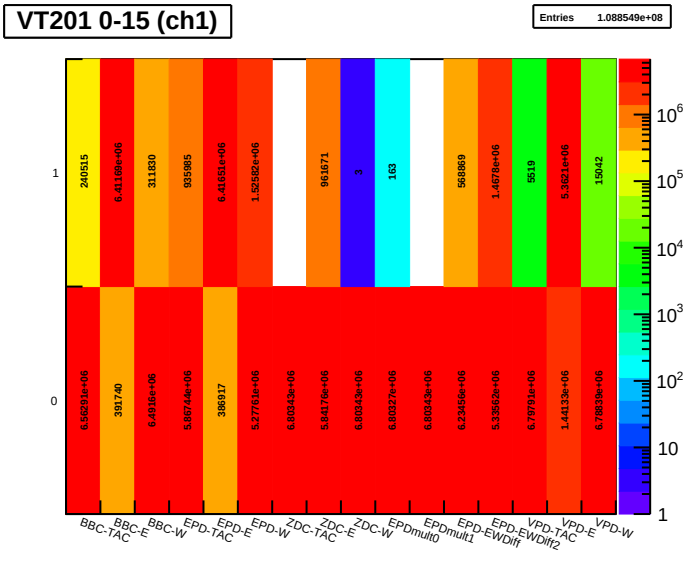

Entries 6803429
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

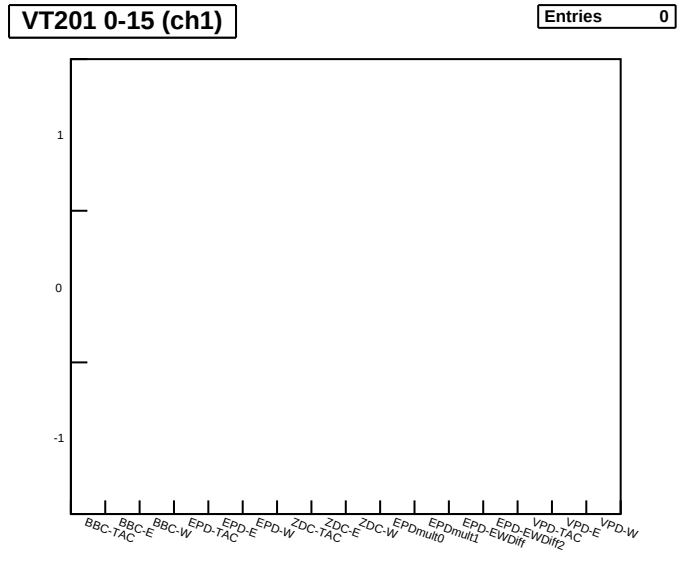

Laser Input Bits
Entries 6803429
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

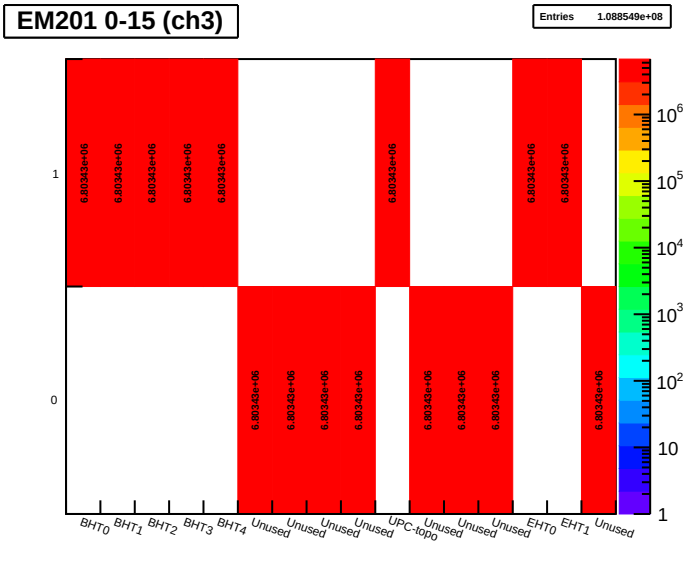

ST201 0-15 (ch6)
Entries 1.088549e+08
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3736
3736
3736
14
6.79969e+06
6.79969e+06
6.80343e+06
6.79969e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80342e+06
6.80343e+06
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^6
10^5
10^4
10^3
10^2
10
1

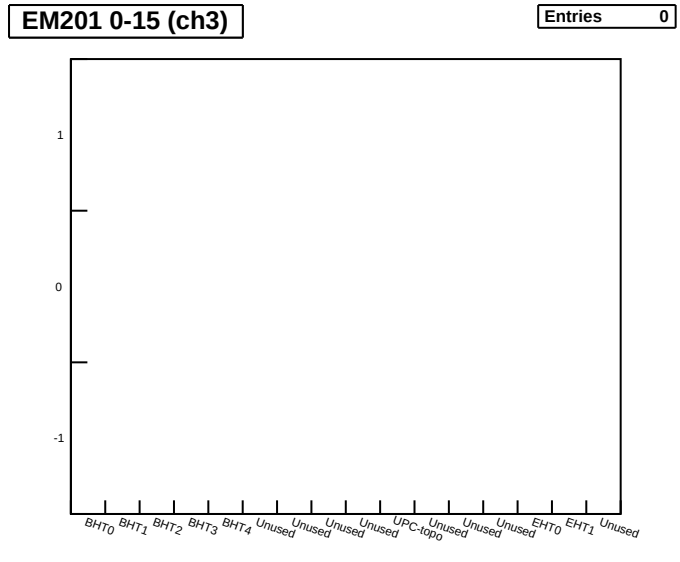

TF201 0-15 (ch0)
Entries 1.088549e+08
1
0
6.80343e+06
6.7973e+06
6.79713e+06
5.39275e+06
3.6112e+06
5.31199e+06
5.32809e+06
5.22479e+06
6.80343e+06
6.80343e+06
6.80343e+06
6128
6301
1.41068e+06
3.19223e+06
1.49144e+06
1.47534e+06
1.57864e+06
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
1
10
10^2
10^3
10^4
10^5
10^6


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 1.088549e+08
1
0
240515
6.41169e+06
311830
935985
6.41651e+06
1.52582e+06
961671
3
163
568869
1.4678e+06
5519
5.3621e+06
15042
6.56293e+06
391740
6.4916e+06
5.86744e+06
386917
5.27761e+06
6.80343e+06
5.84176e+06
6.80343e+06
6.80327e+06
6.80343e+06
6.23456e+06
5.35952e+06
6.79791e+06
1.44133e+06
6.78838e+06
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
10^6


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 1.088549e+08
1
0
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
6.80343e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
1
10
10^2
10^3
10^4
10^5
10^6


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