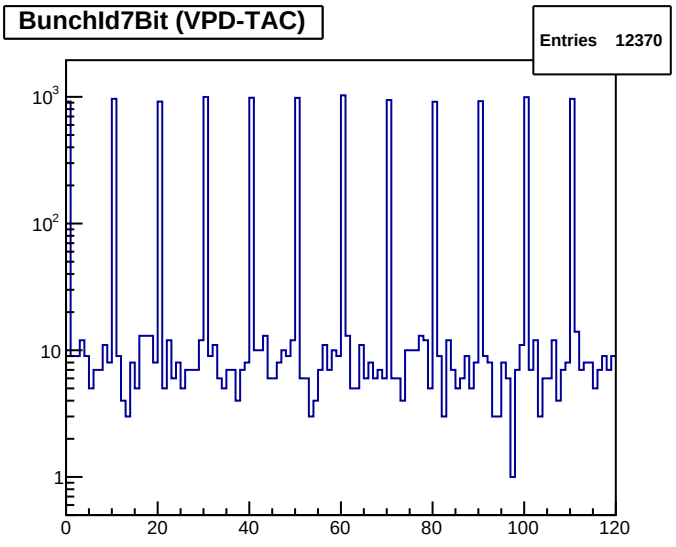
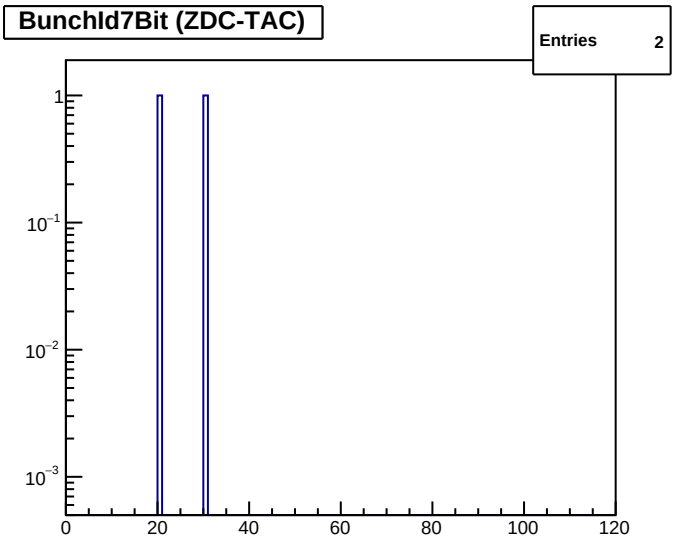
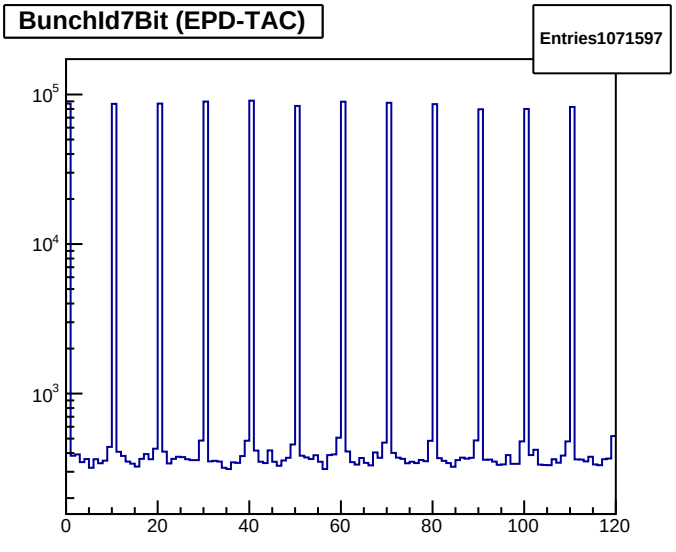
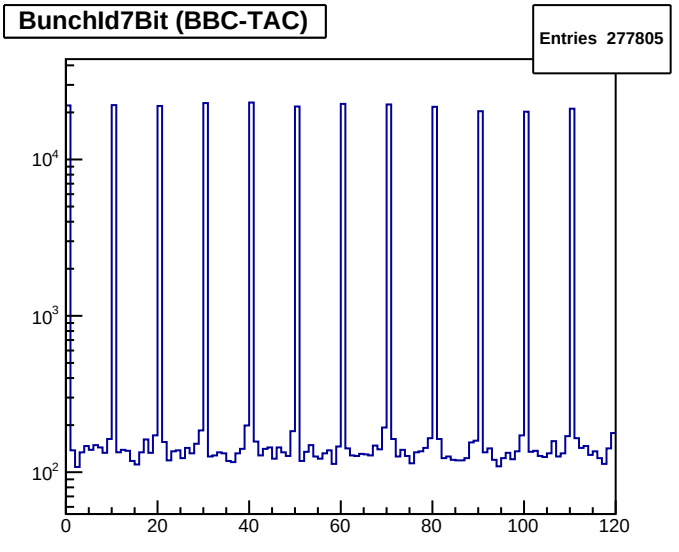
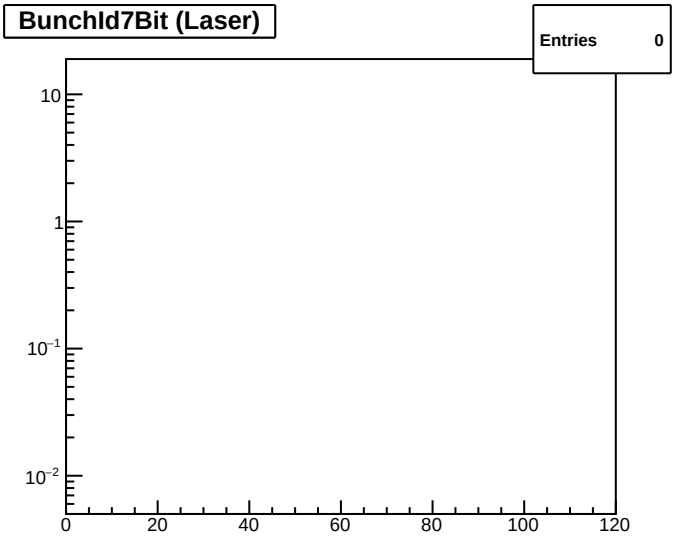
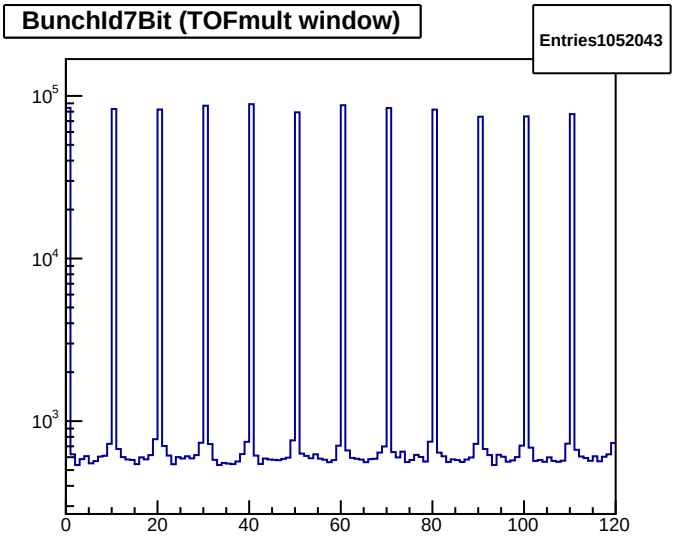

BunchId7Bit (VPD-TAC)
Entries 12370

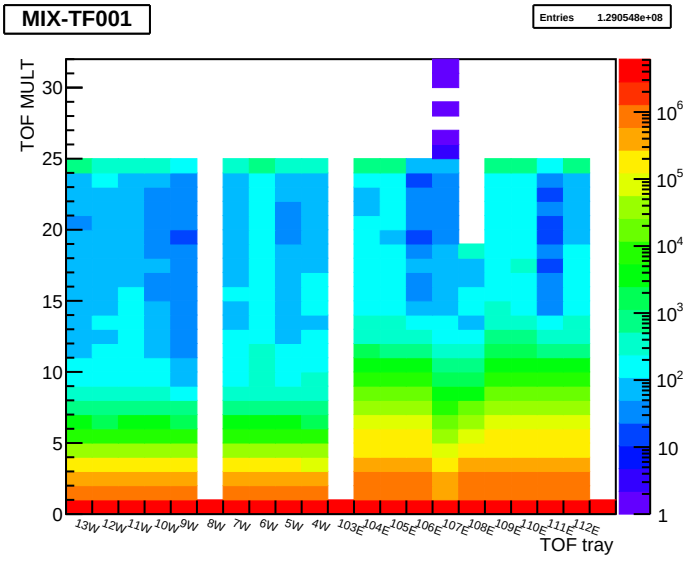

BunchId7Bit (ZDC-TAC)
Entries 2

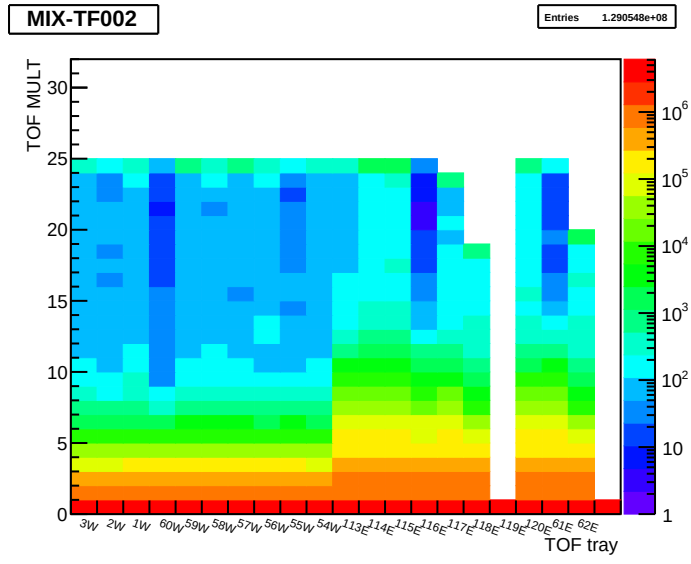

BunchId7Bit (EPD-TAC)
Entries1071597

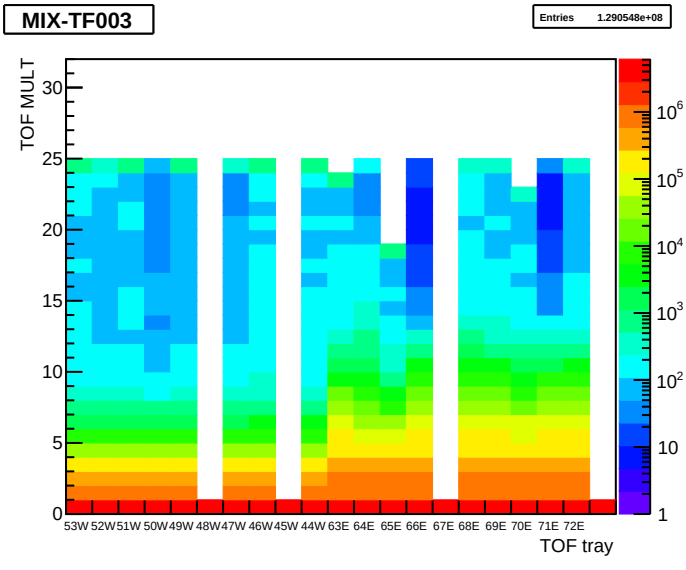

BunchId7Bit (BBC-TAC)
Entries 277805

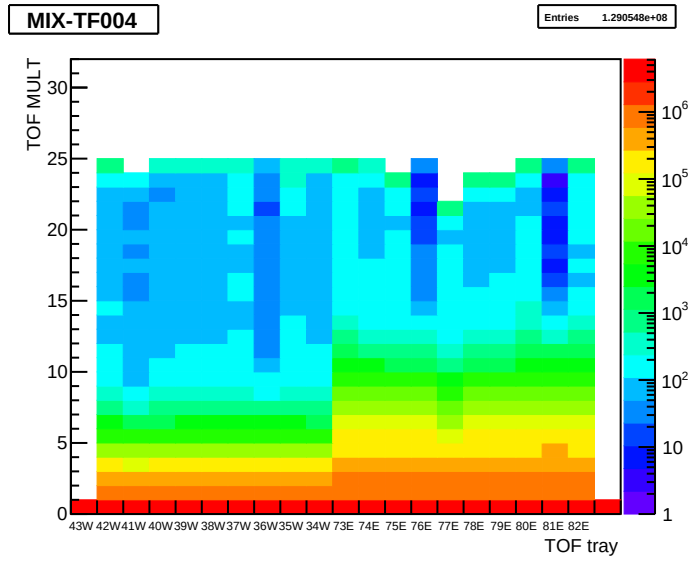

BunchId7Bit (Laser)
Entries 0

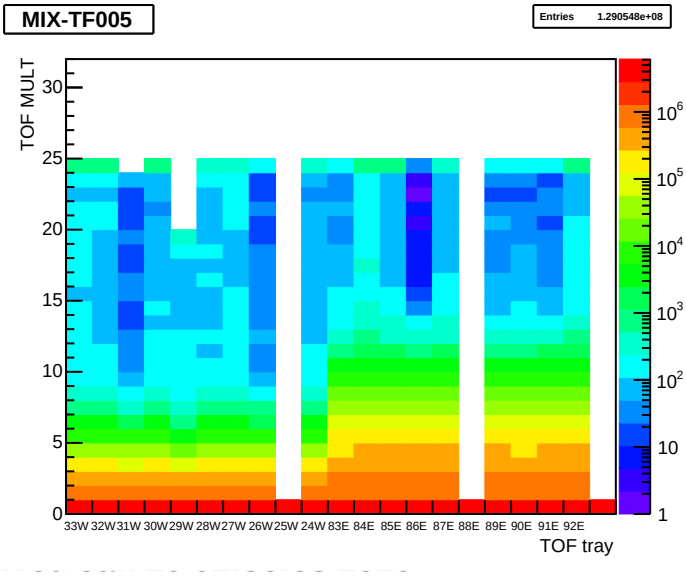

BunchId7Bit (TOFmult window)
Entries1052043

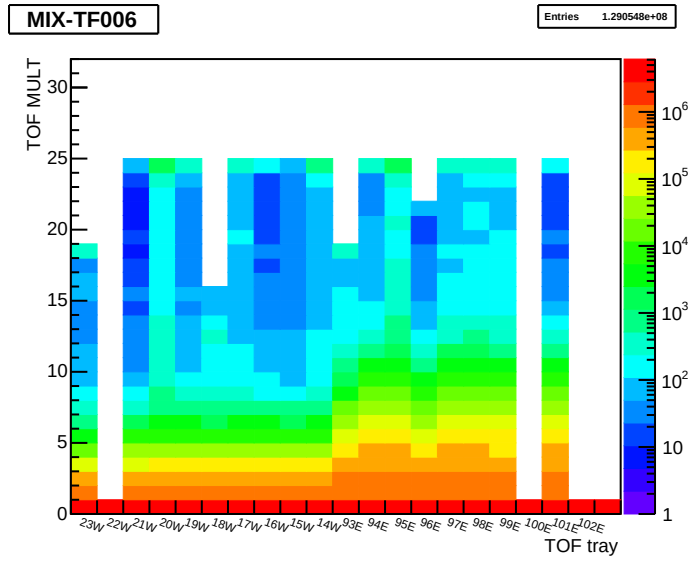

MIX-TF001
Entries 1.290548e+08
TOF MULT
TOF tray

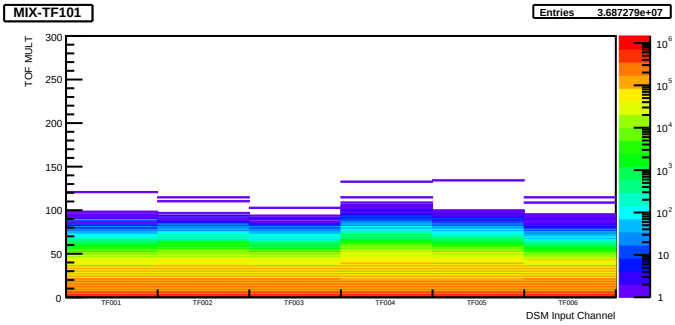

MIX-TF002
Entries 1.290548e+08
TOF MULT
TOF tray

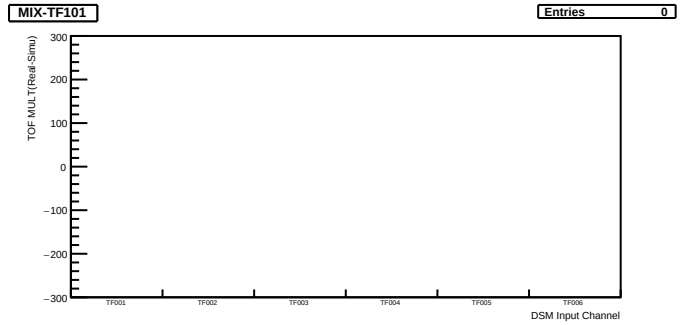

MIX-TF003
Entries 1.290548e+08
TOF MULT
TOF tray

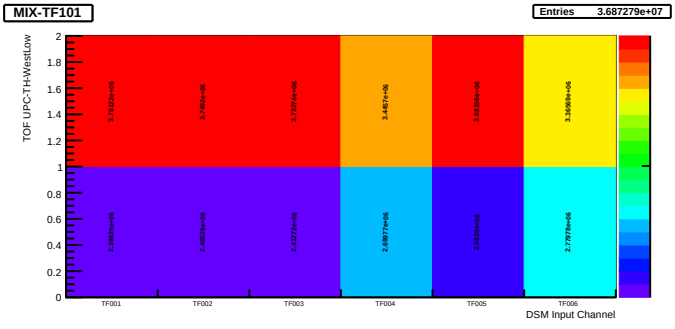

MIX-TF004
Entries 1.290548e+08
TOF MULT
TOF tray

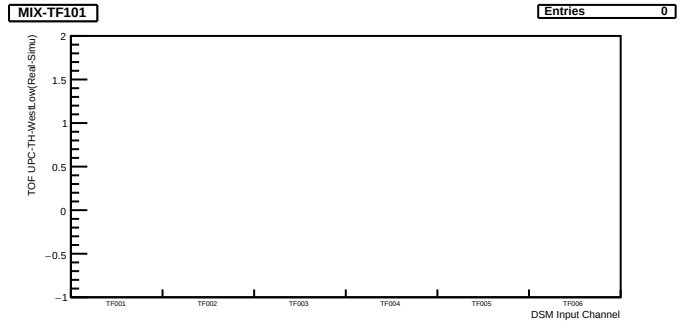

MIX-TF005
Entries 1.290548e+08
TOF MULT
TOF tray

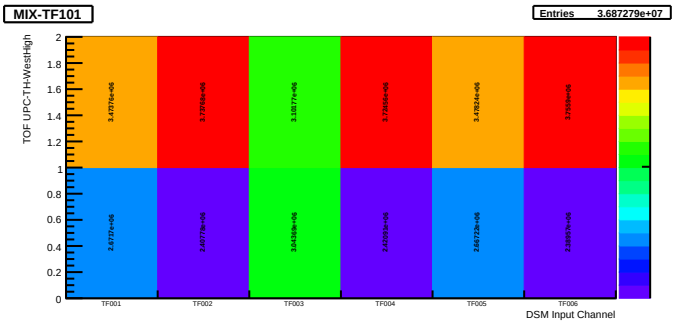

MIX-TF006
Entries 1.290548e+08
TOF MULT
TOF tray

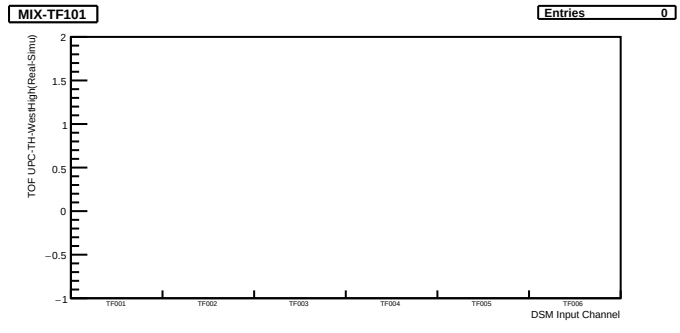

MIX-TF101
Entries 3.687279e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

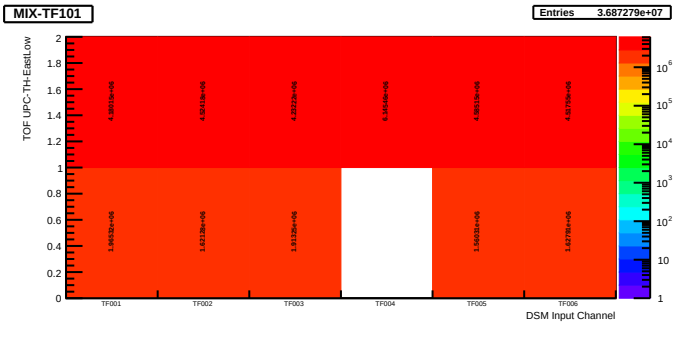

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

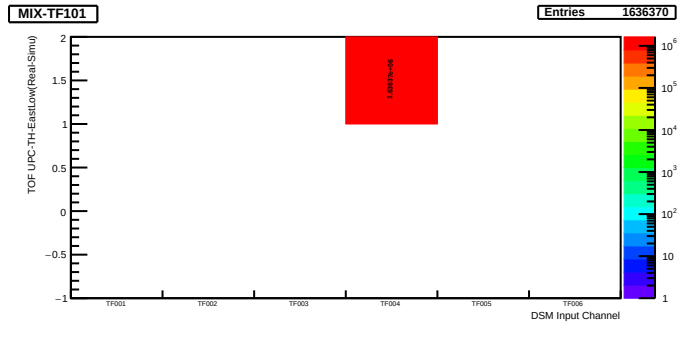

MIX-TF101
Entries 3.687279e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

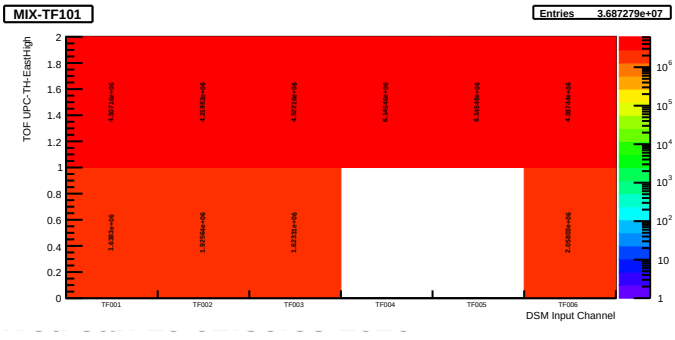

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

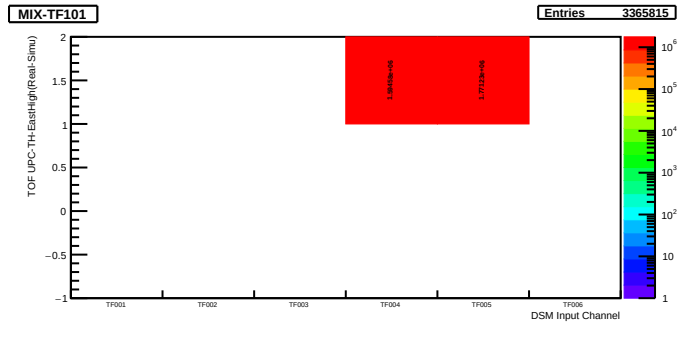

MIX-TF101
Entries 3.687279e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

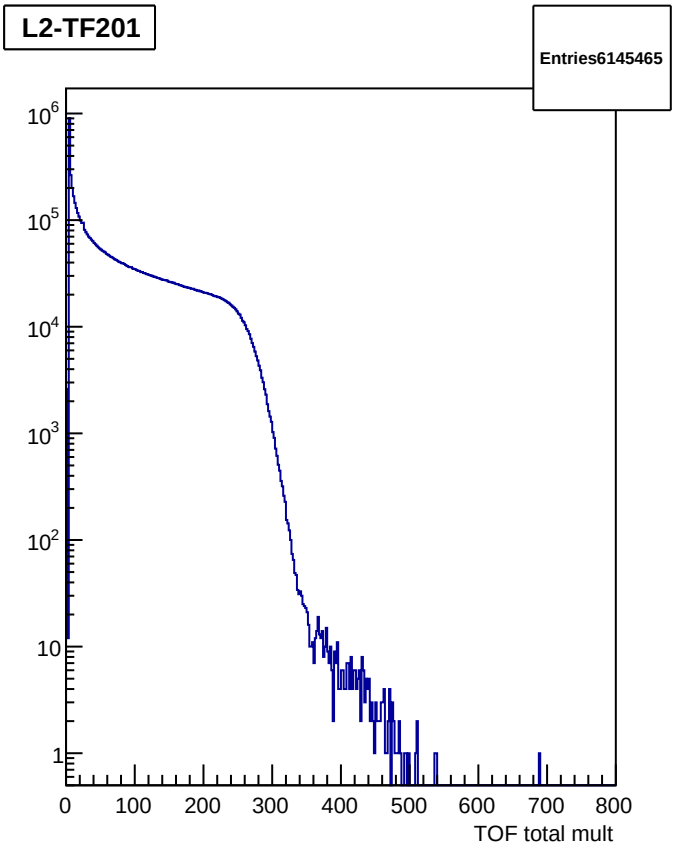

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

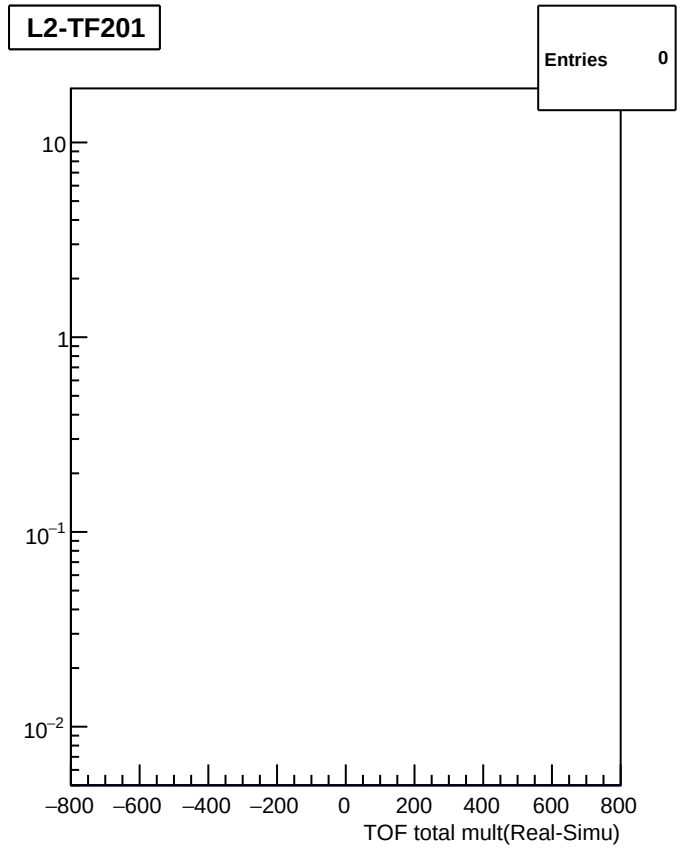

MIX-TF101
Entries 3.687279e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

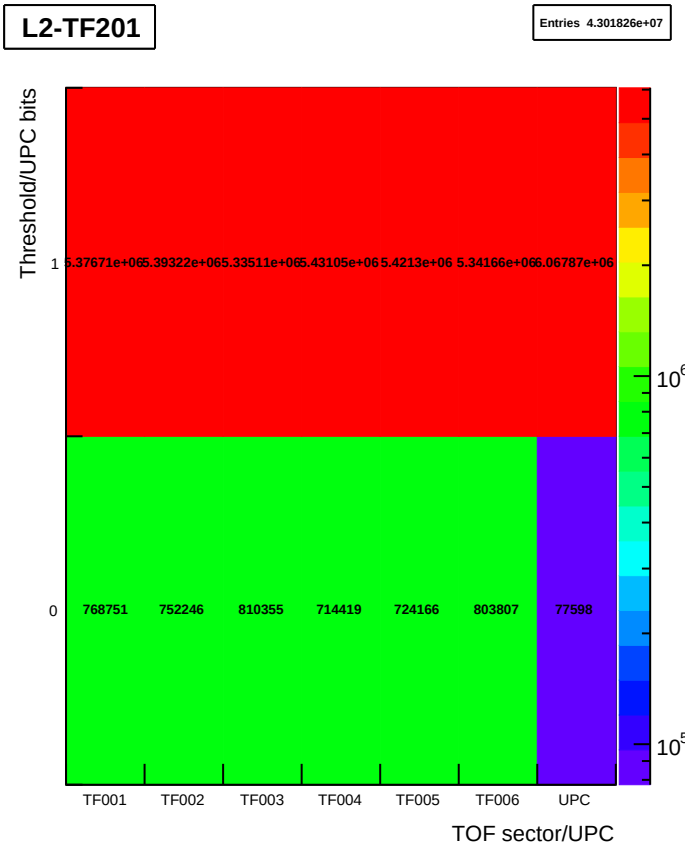

MIX-TF101
Entries 1636370
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

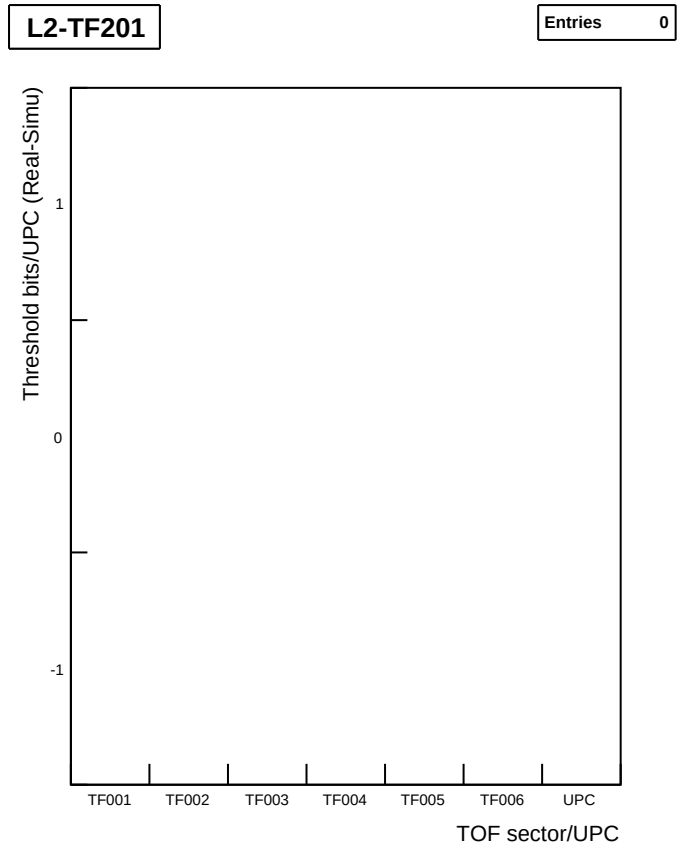

MIX-TF101
Entries 3.687279e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

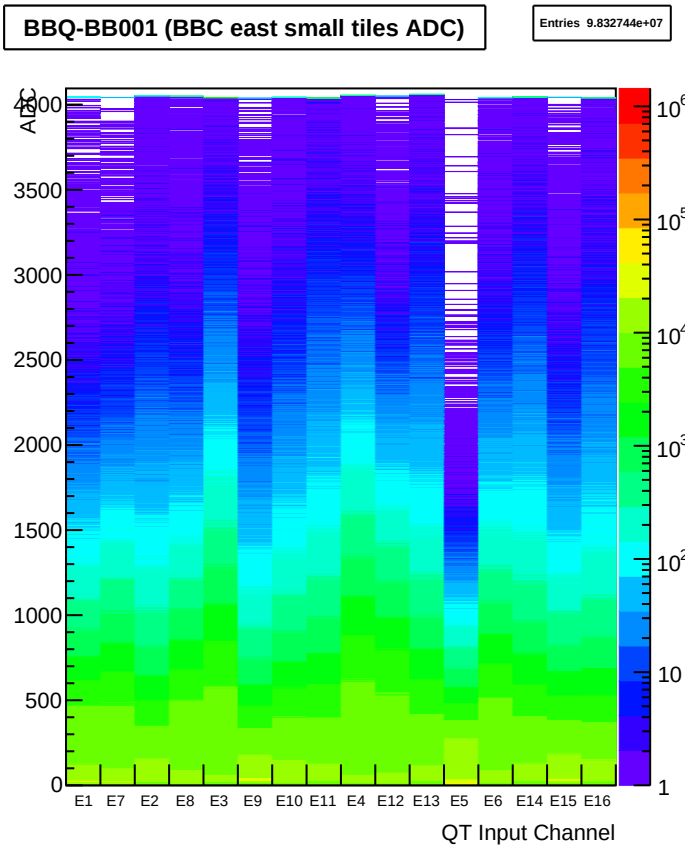

MIX-TF101
Entries 3365815
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

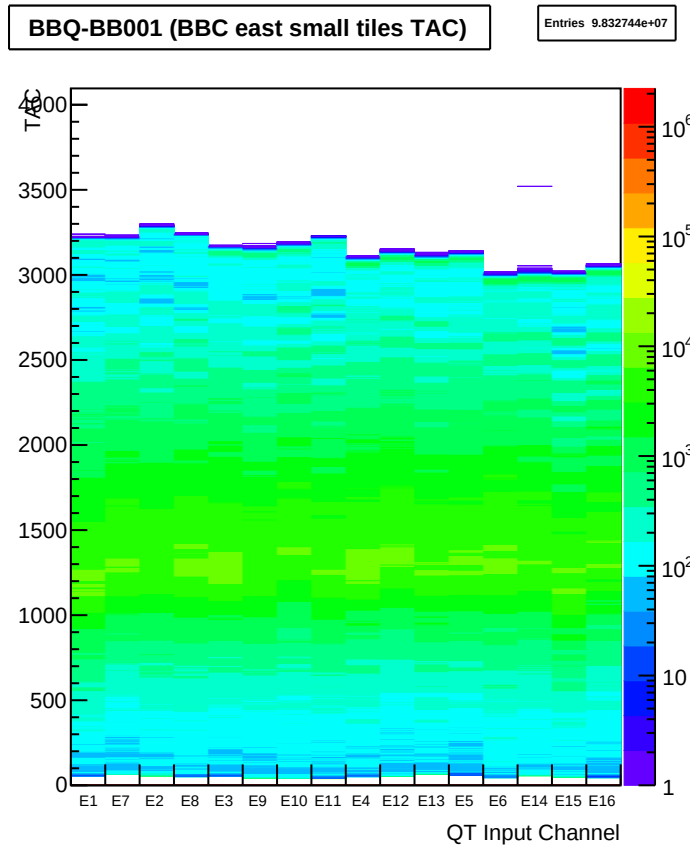

L2-TF201
Entries6145465
TOF total mult

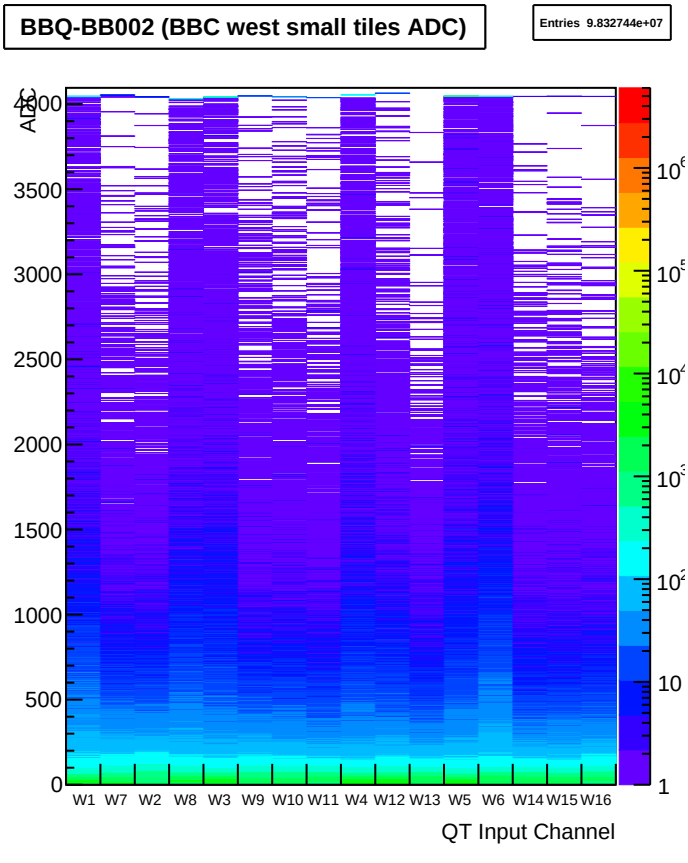

L2-TF201
Entries 0
TOF total mult(Real-Simu)

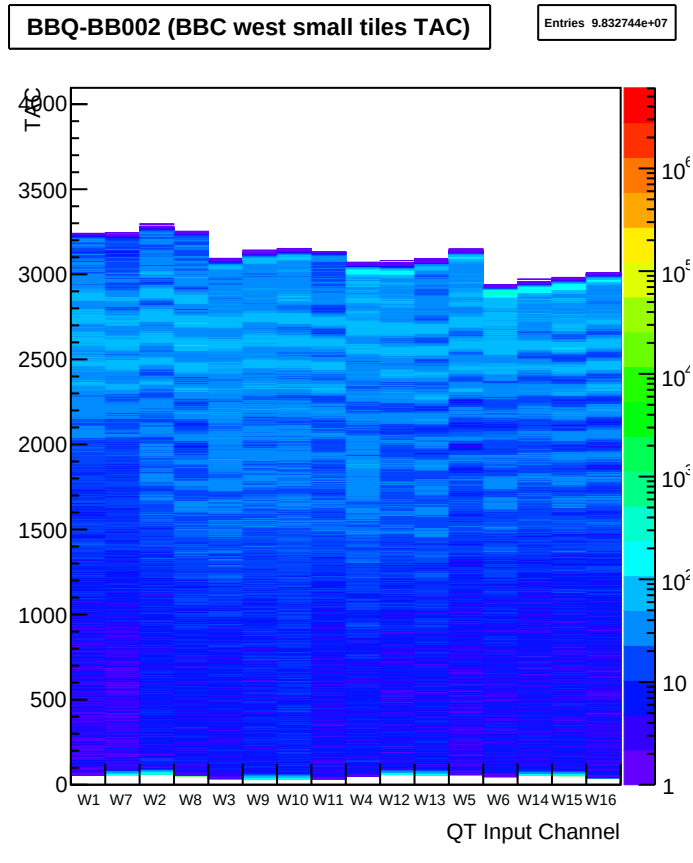

L2-TF201
Entries 4.301826e+07
Threshold/UPC bits
5.37671e+06 5.39322e+06 5.33511e+06 5.43105e+06 5.4213e+06 5.34166e+06 6.06787e+06
768751 752246 810355 714419 724166 803807 77598
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

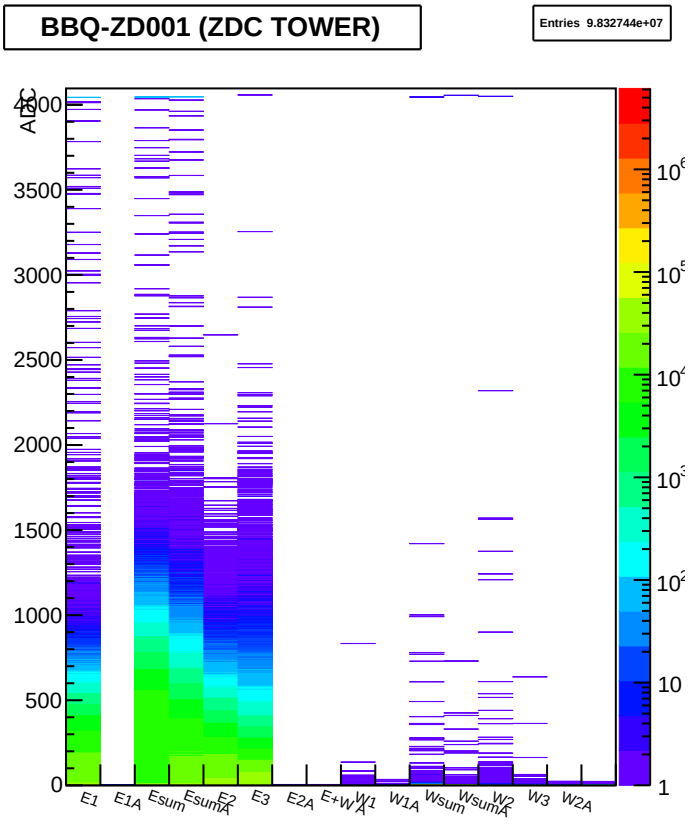

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

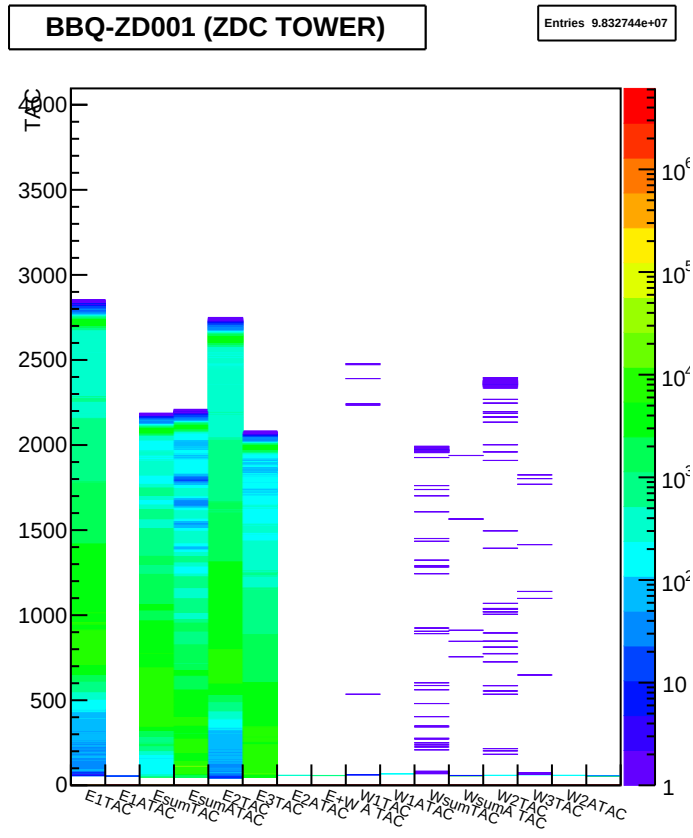

BBQ-BB001 (BBC east small tiles ADC)
Entries 9.832744e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

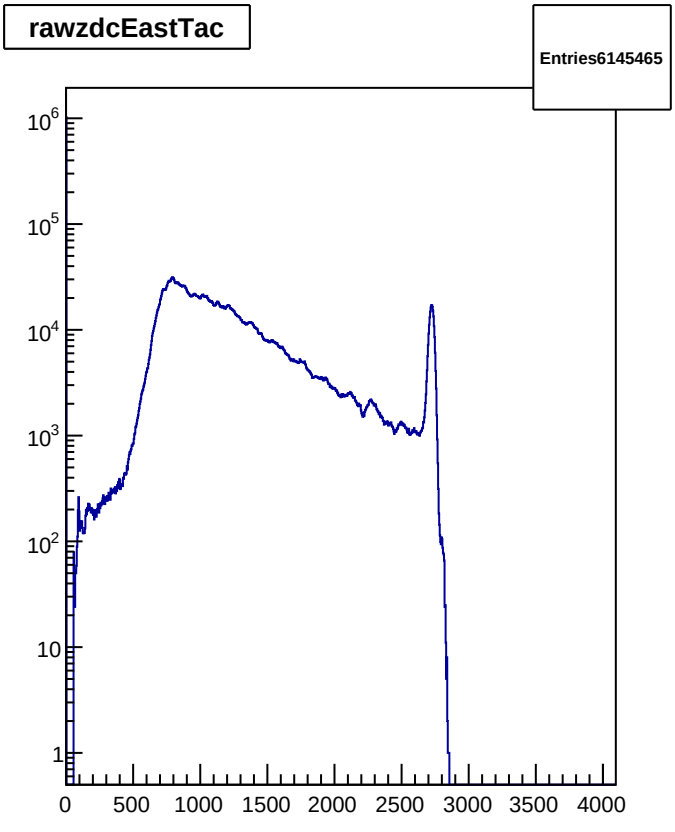

BBQ-BB001 (BBC east small tiles TAC)
Entries 9.832744e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

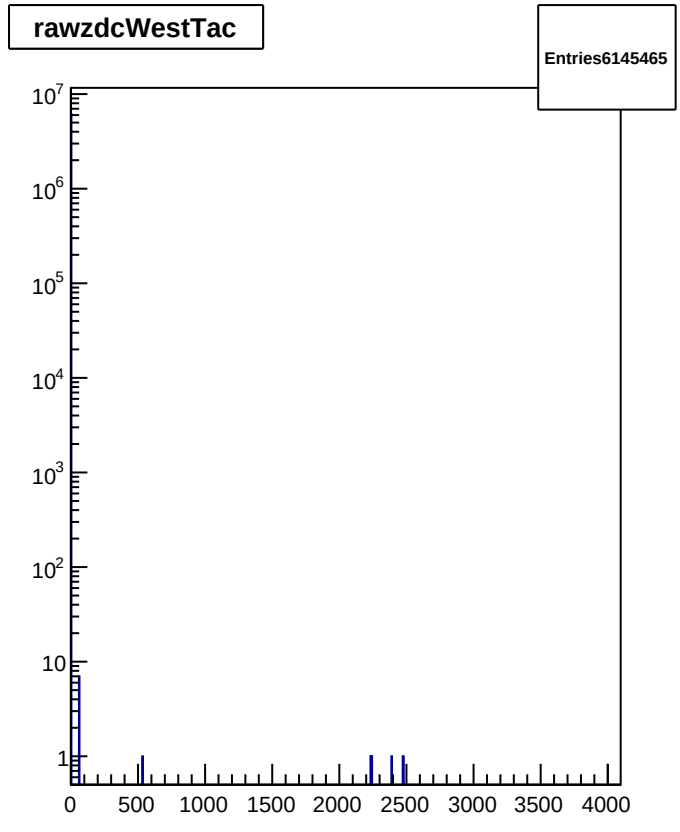

BBQ-BB002 (BBC west small tiles ADC)
Entries 9.832744e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

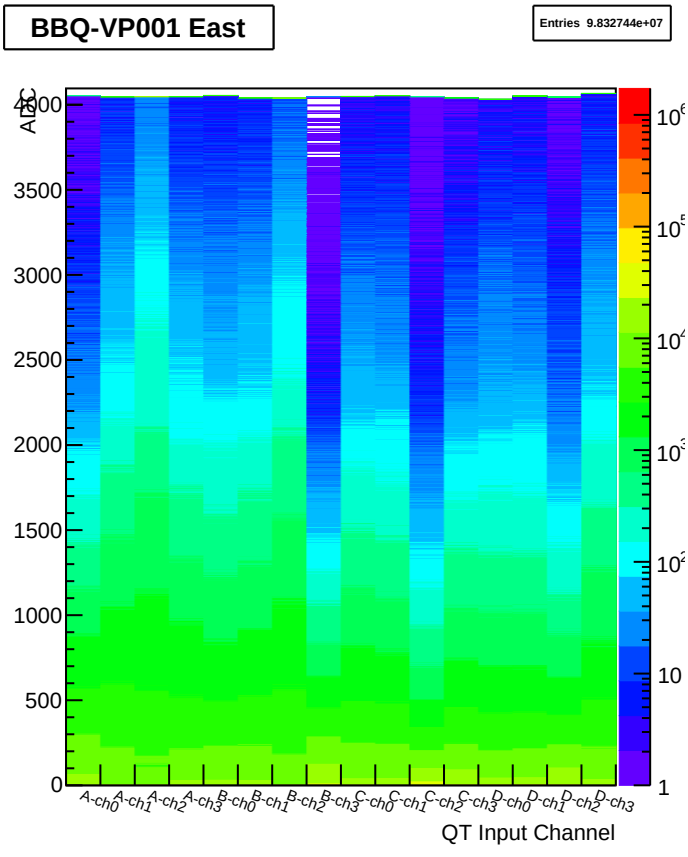

BBQ-BB002 (BBC west small tiles TAC)
Entries 9.832744e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

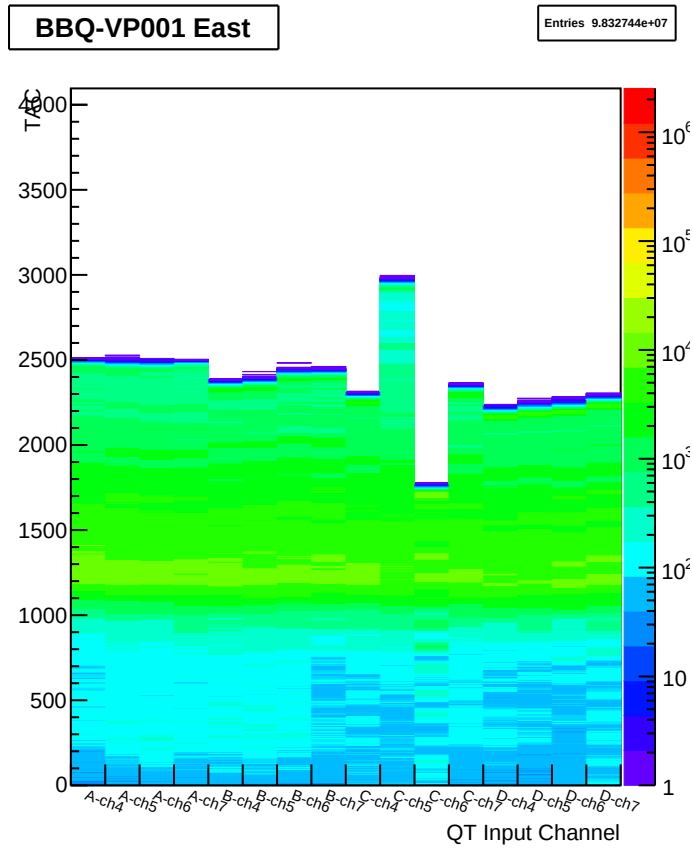

BBQ-ZD001 (ZDC TOWER)
Entries 9.832744e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W A
W1
W1A
Wsum
WsumA
W2
W3
W2A

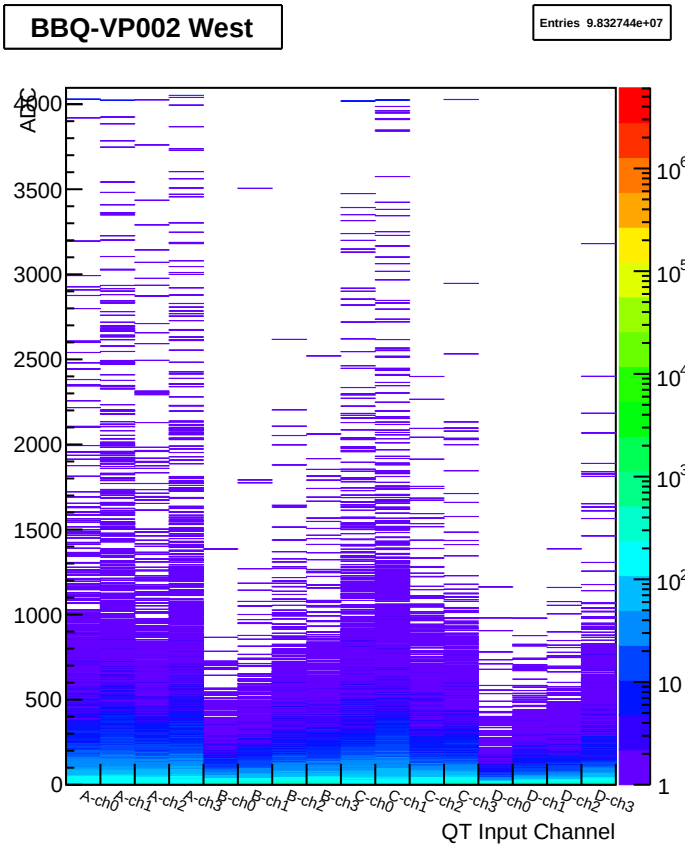

BBQ-ZD001 (ZDC TOWER)
Entries 9.832744e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

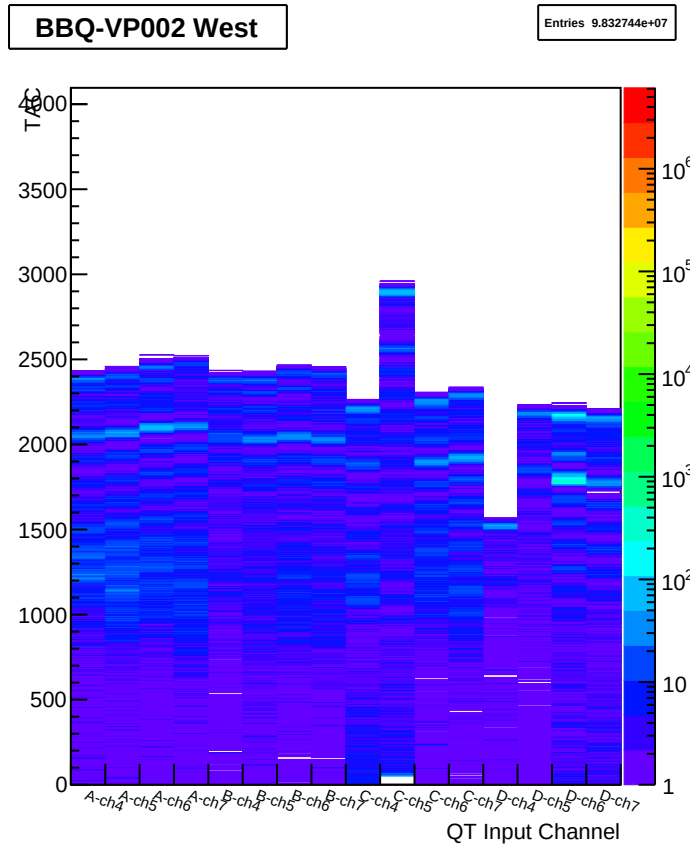

rawzdcEastTac
Entries6145465

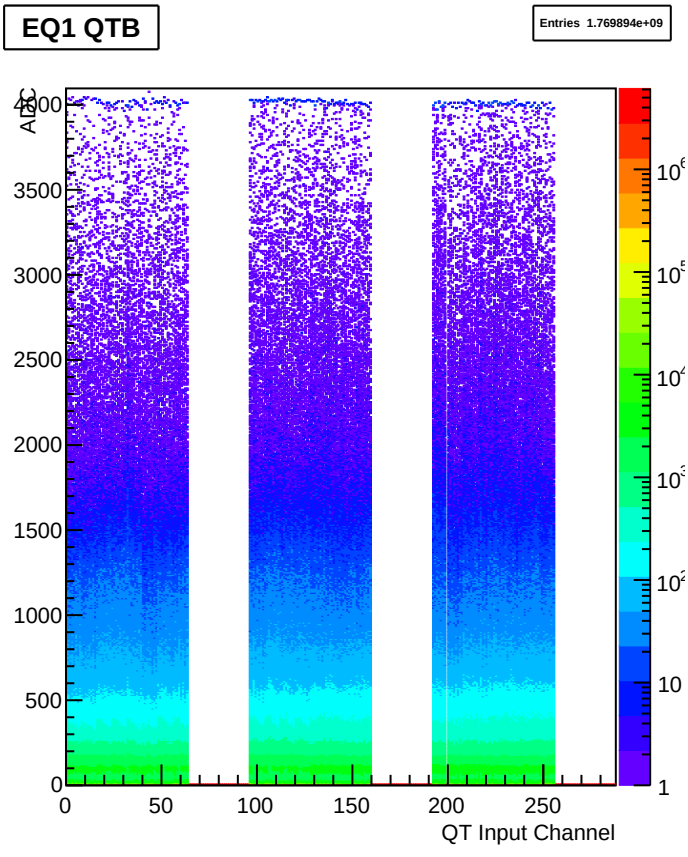

rawzdcWestTac
Entries6145465

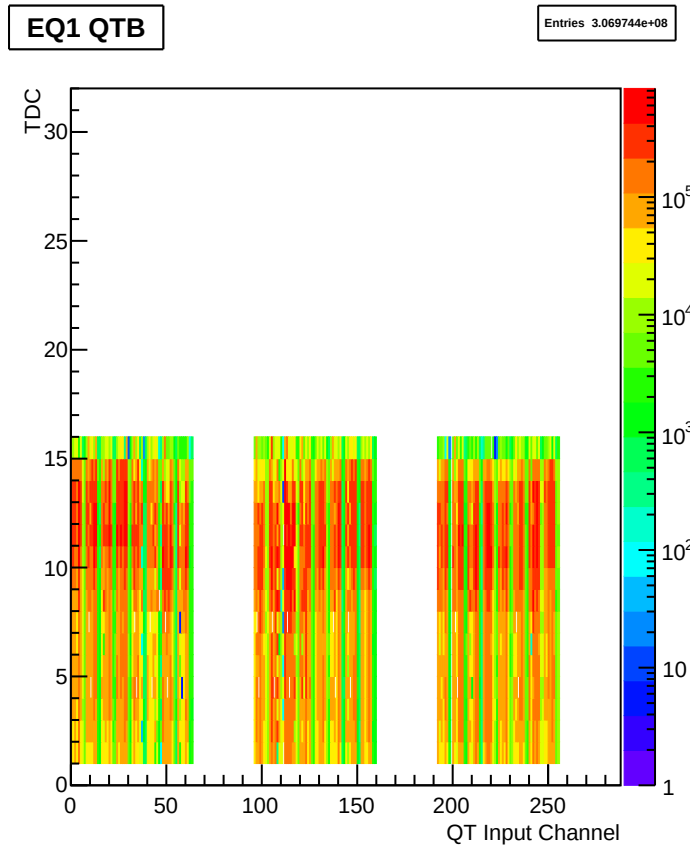

BBQ-VP001 East
Entries 9.832744e+07
ADC
QT Input Channel

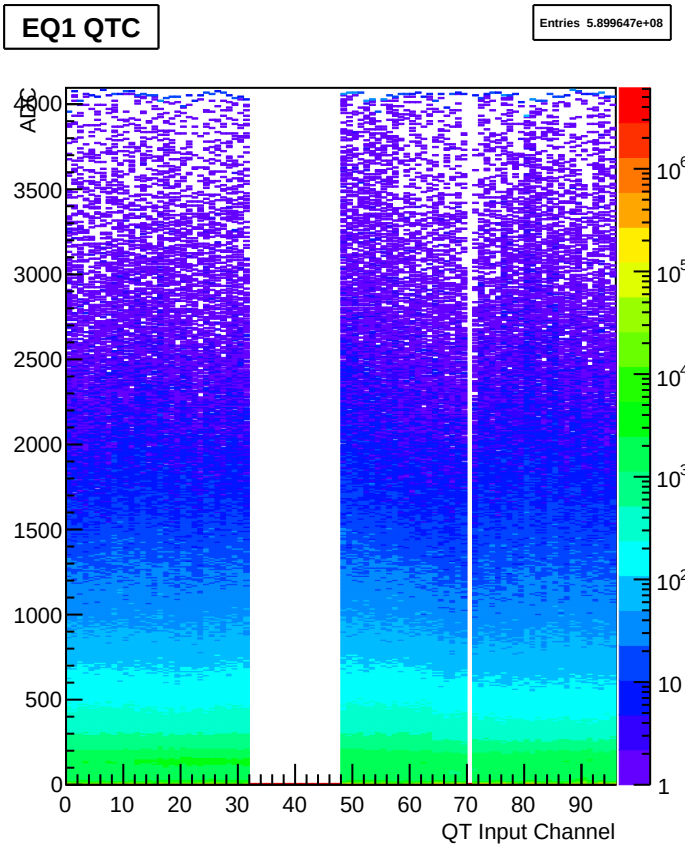

BBQ-VP001 East
Entries 9.832744e+07
TADC
QT Input Channel

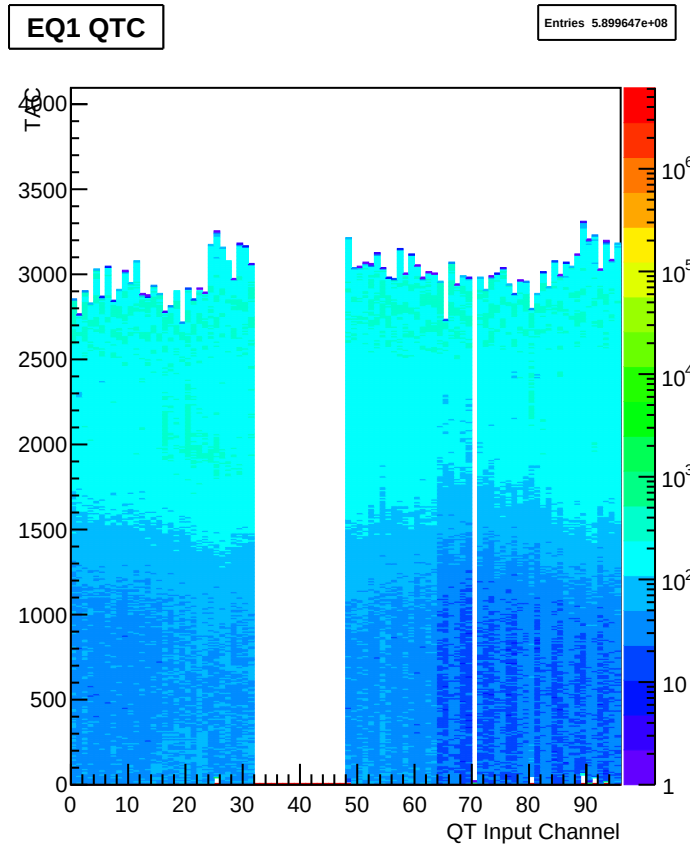

BBQ-VP002 West
Entries 9.832744e+07
ADC
QT Input Channel

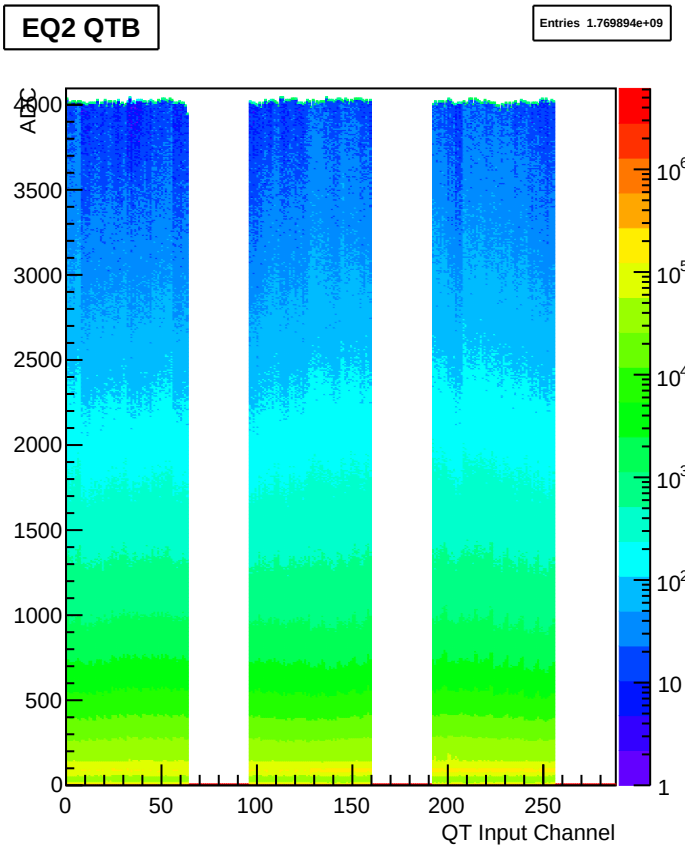

BBQ-VP002 West
Entries 9.832744e+07
TADC
QT Input Channel

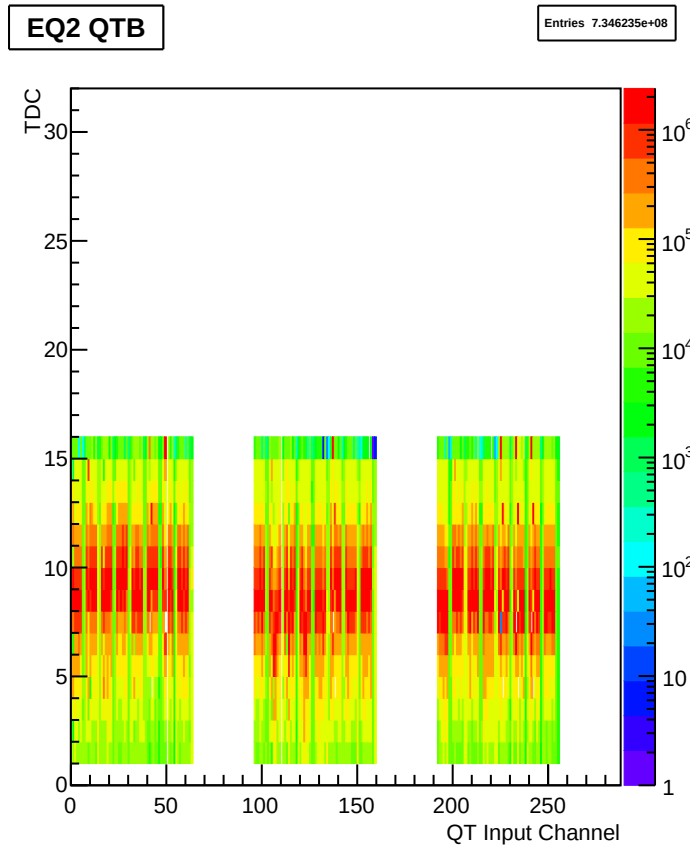

EQ1 QTB
Entries 1.769894e+09
ADC
QT Input Channel

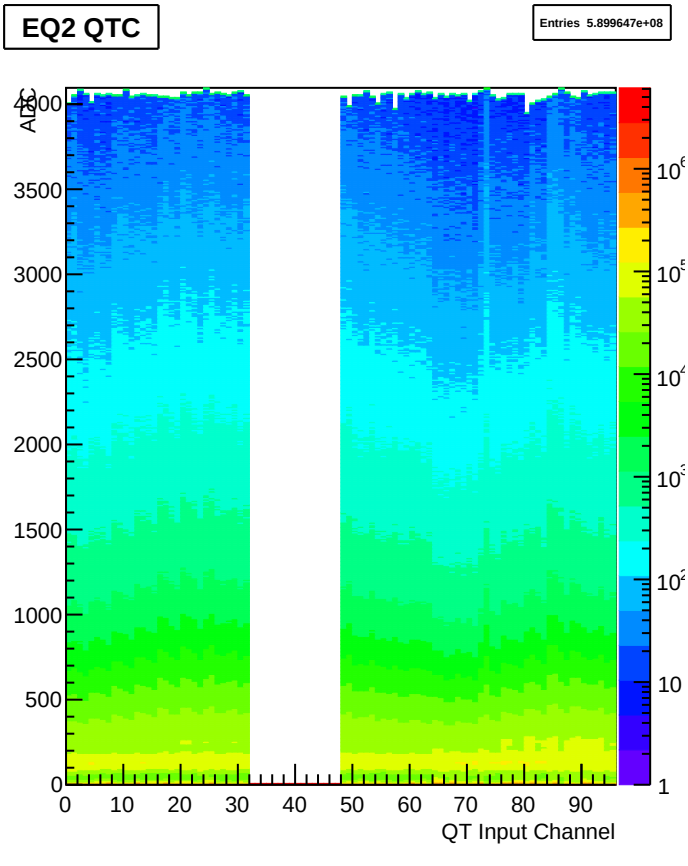

EQ1 QTB
Entries 3.069744e+08
TDC
QT Input Channel

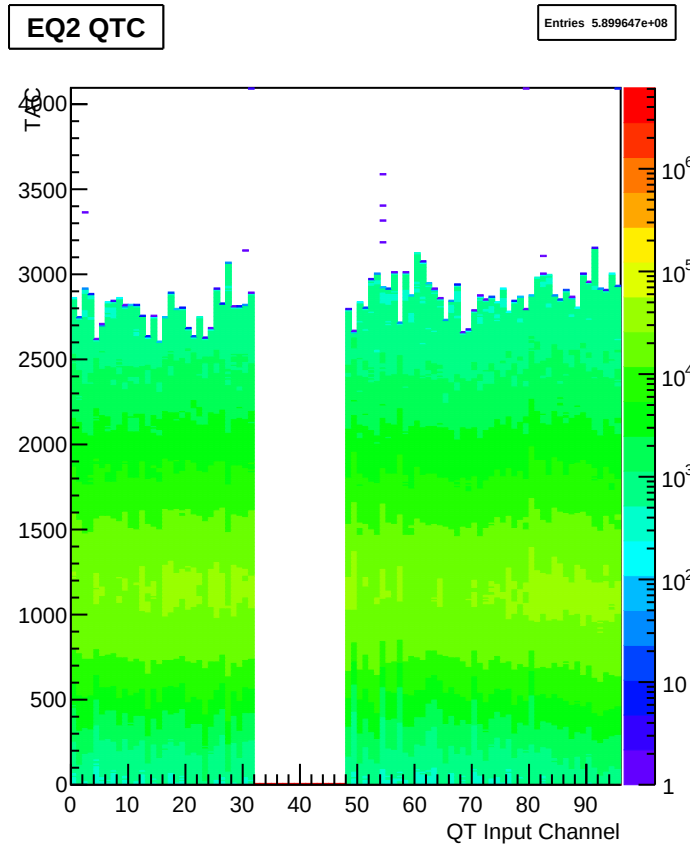

EQ1 QTC
Entries 5.899647e+08
ADC
QT Input Channel

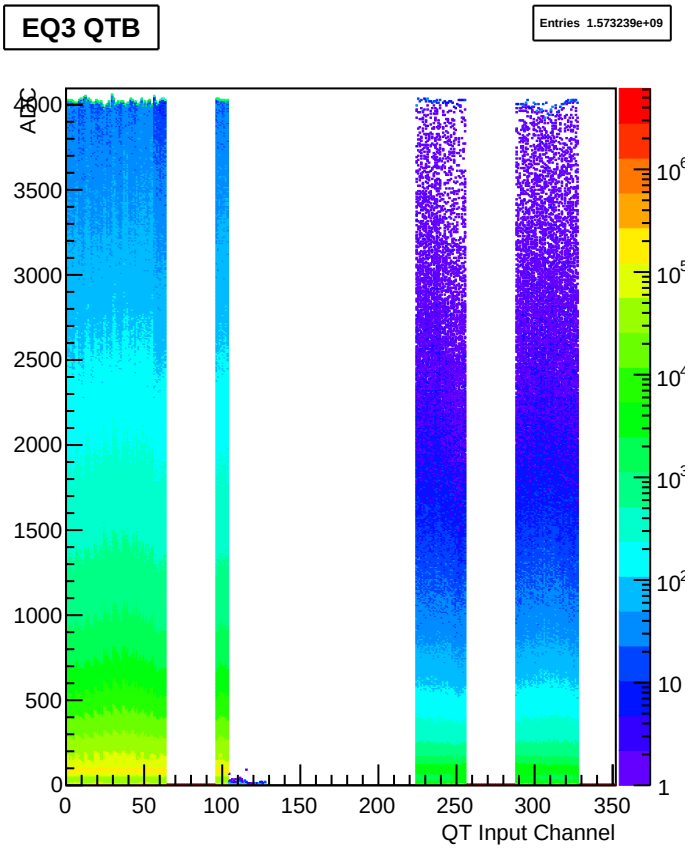

EQ1 QTC
Entries 5.899647e+08
TADC
QT Input Channel

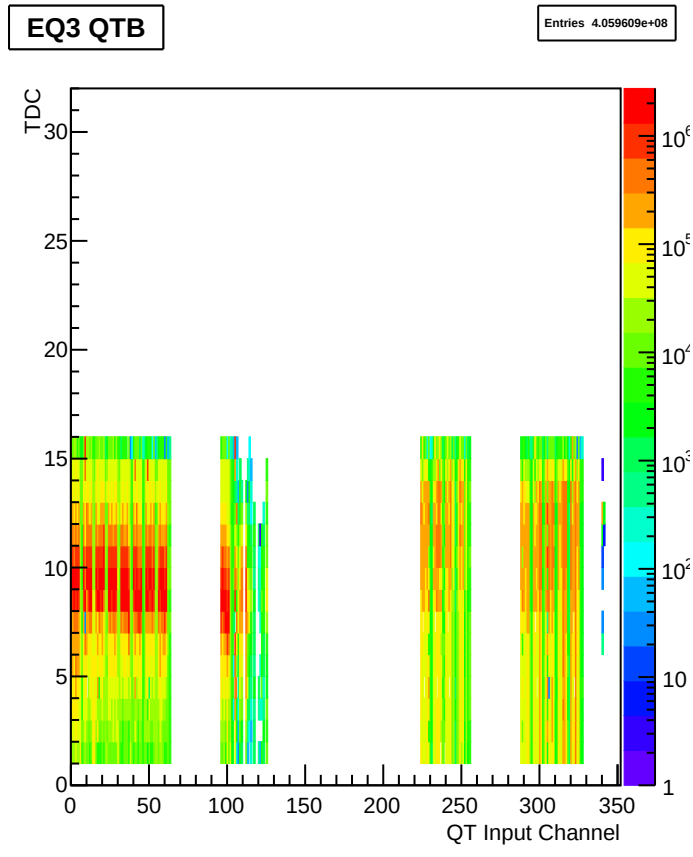

EQ2 QTB
Entries 1.769894e+09
ADC
QT Input Channel

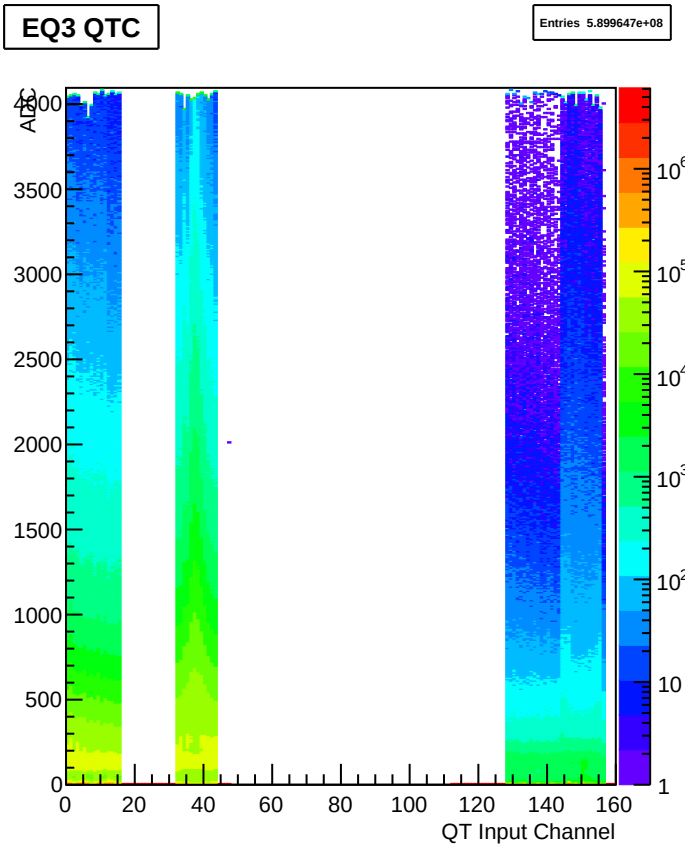

EQ2 QTB
Entries 7.346235e+08
TDC
QT Input Channel

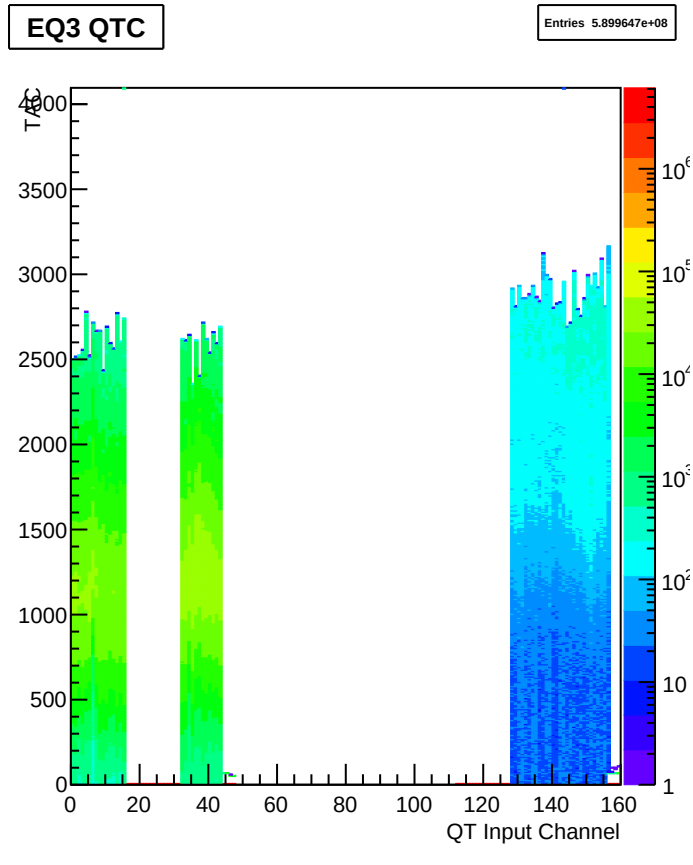

EQ2 QTC
Entries 5.899647e+08
ADC
QT Input Channel

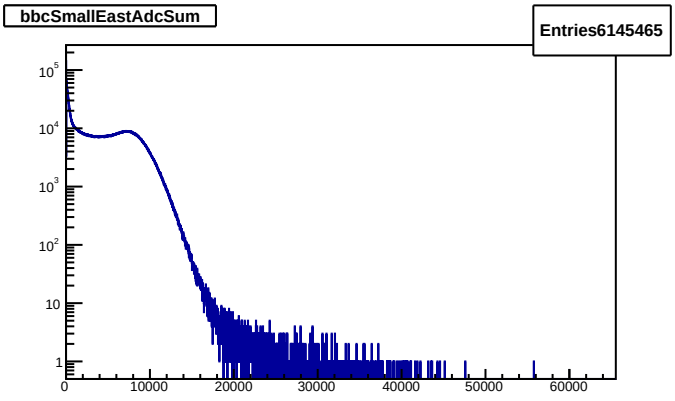

EQ2 QTC
Entries 5.899647e+08
TADC
QT Input Channel

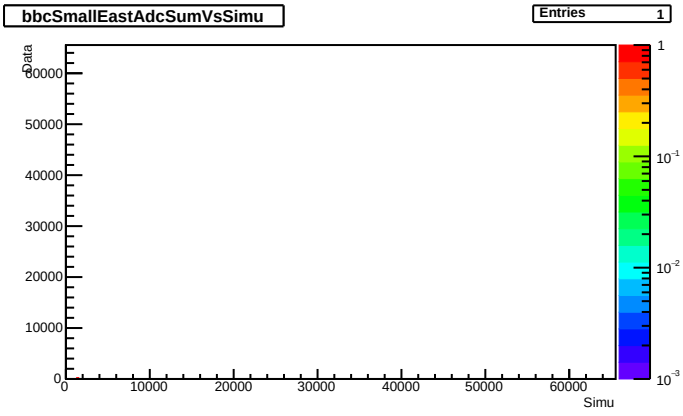

EQ3 QTB
Entries 1.573239e+09
ADC
QT Input Channel

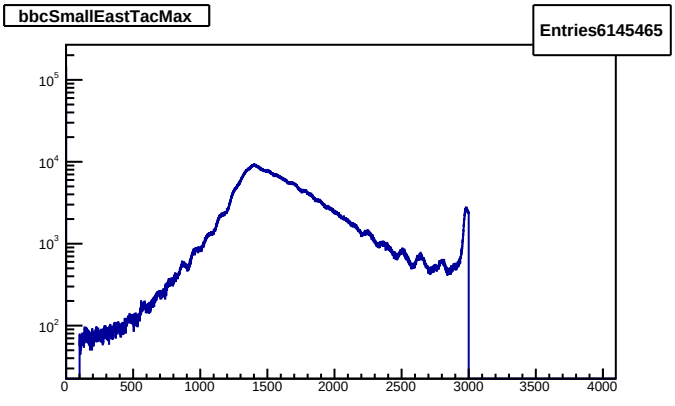

EQ3 QTB
Entries 4.059609e+08
TDC
QT Input Channel

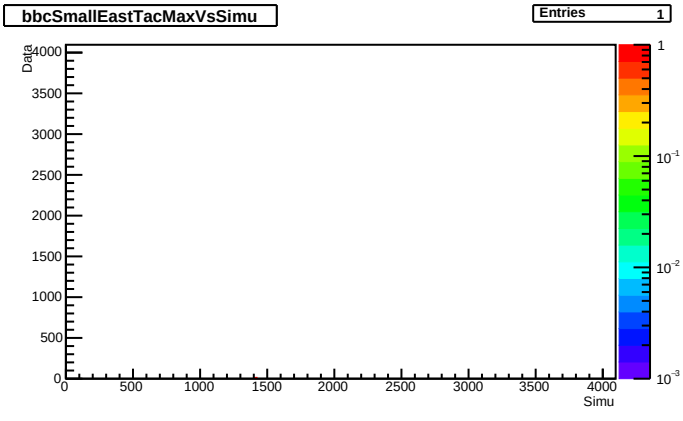

EQ3 QTC
Entries 5.899647e+08
ADC
QT Input Channel


EQ3 QTC
Entries 5.899647e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries6145465


bbcSmallEastAdcSumVsSimu
Entries 1
Data
Simu


bbcSmallEastTacMax
Entries6145465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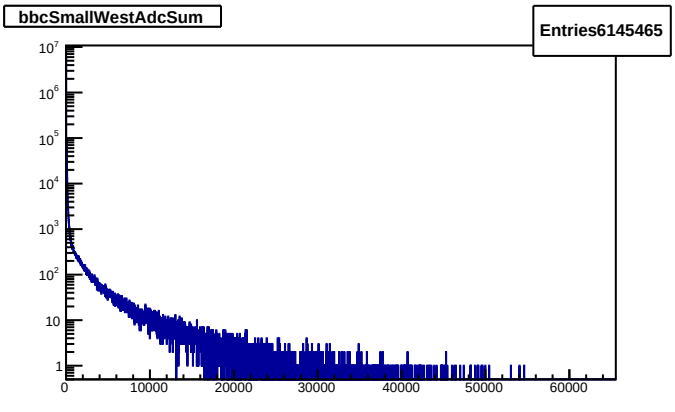
Entries 1
Data
Simu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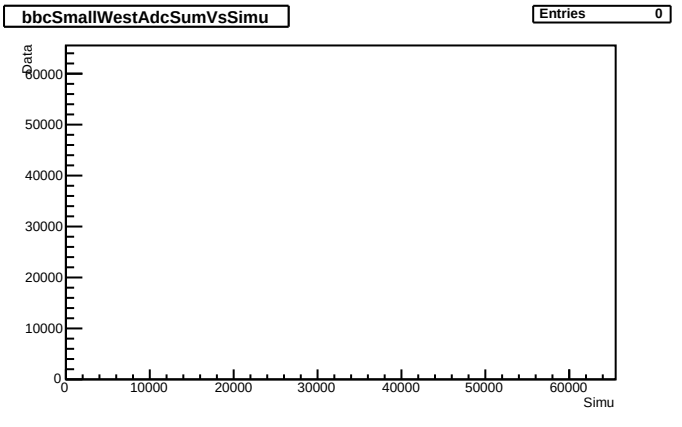
Entries6145465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Entries 0
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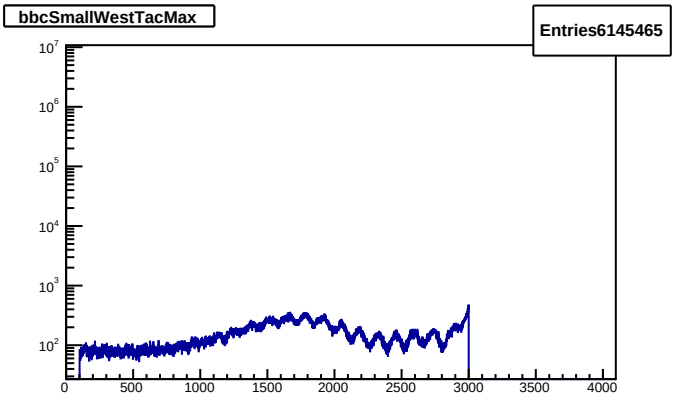
Simu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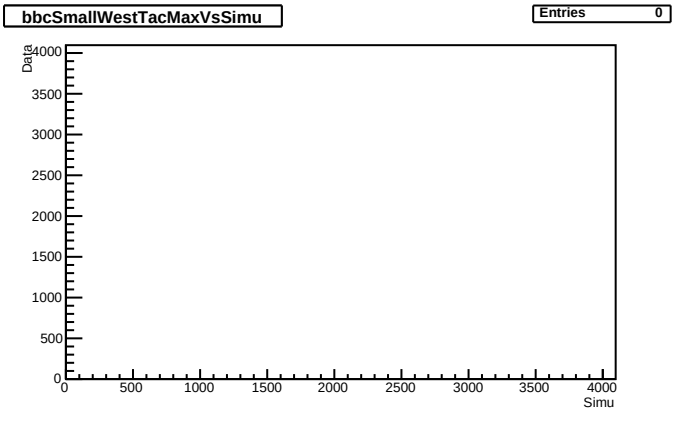
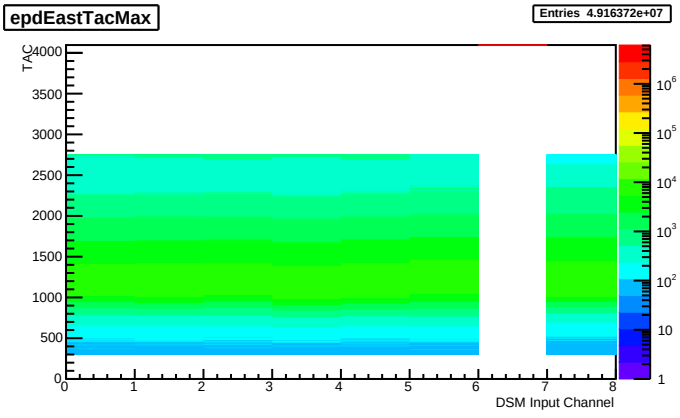
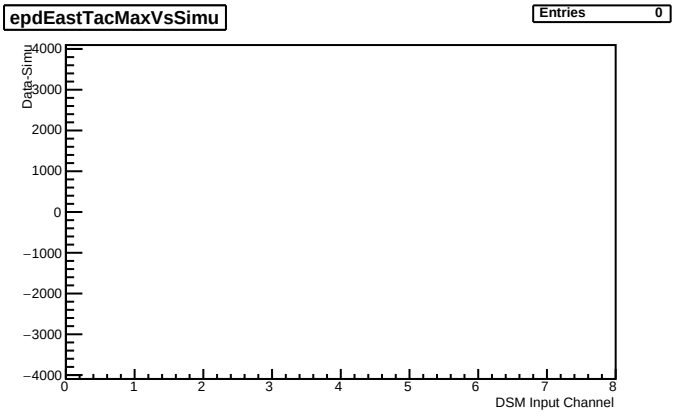
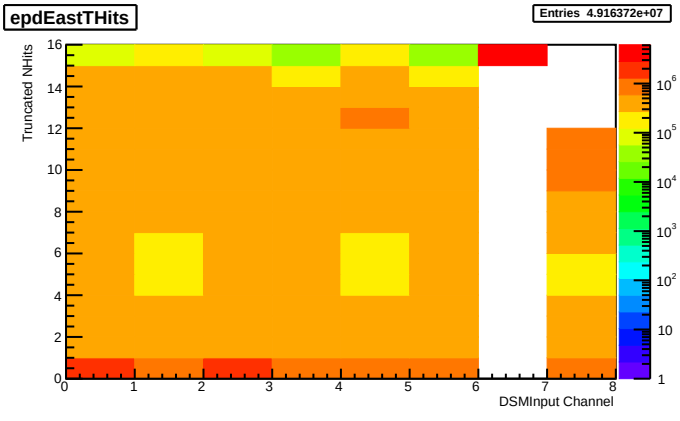
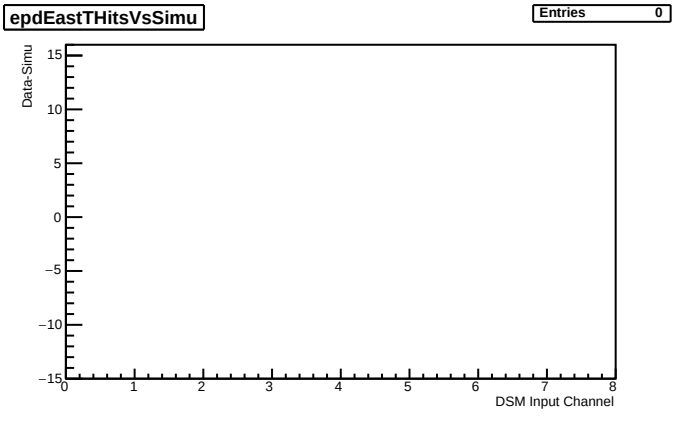
Entries6145465


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4.916372e+07
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4.916372e+07
Truncated NHits
DSMInput Channel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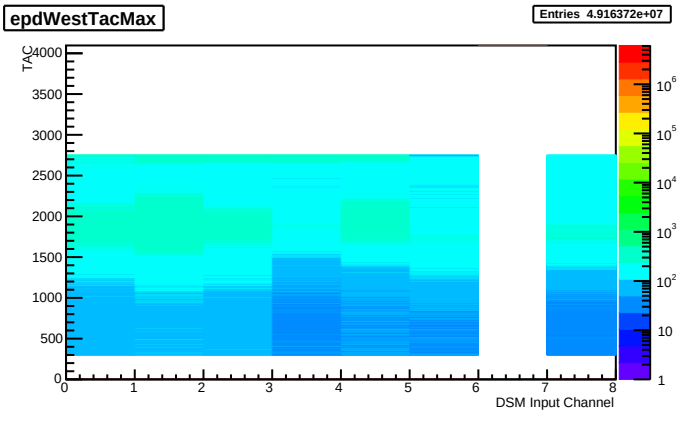
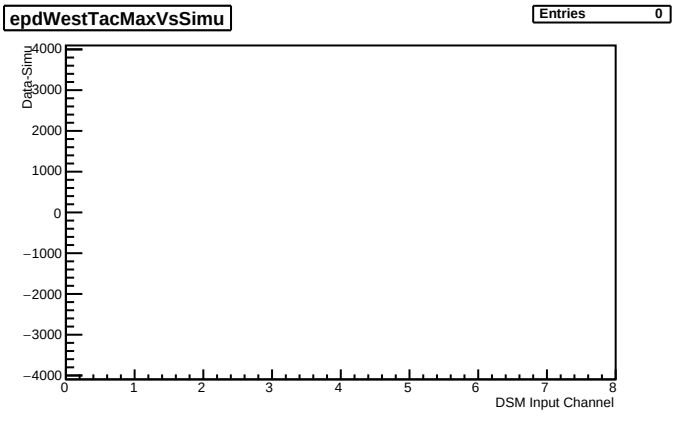
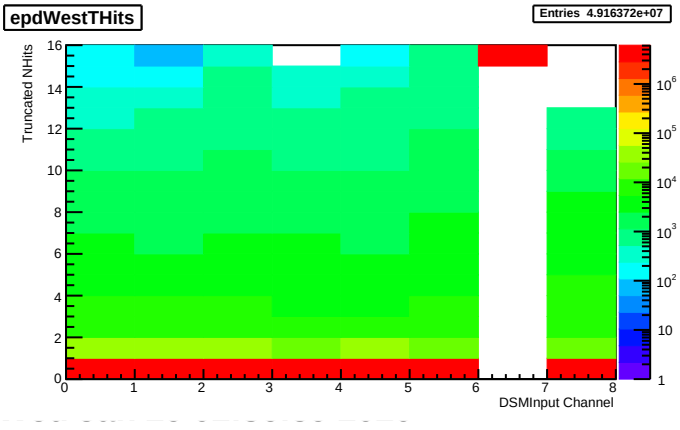
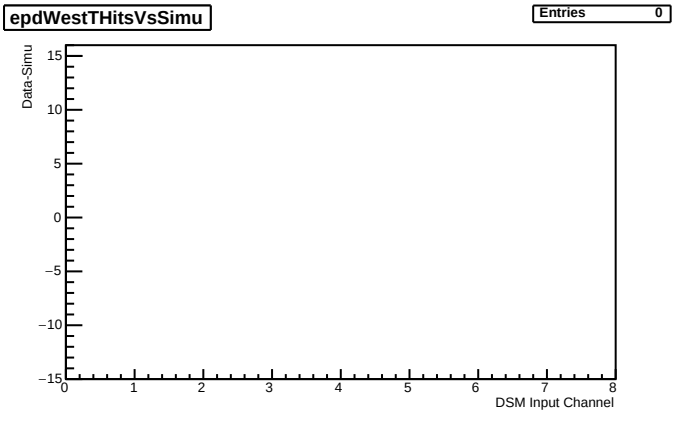
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 4.916372e+07
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4.916372e+07
Truncated NHits
DSMInput Channel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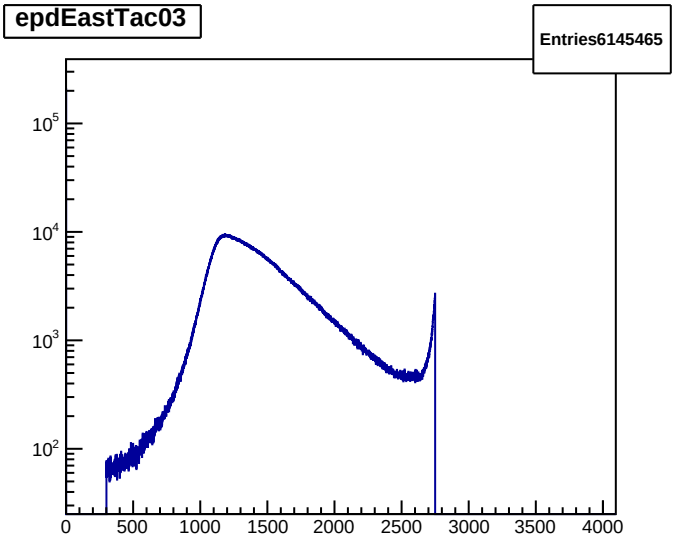
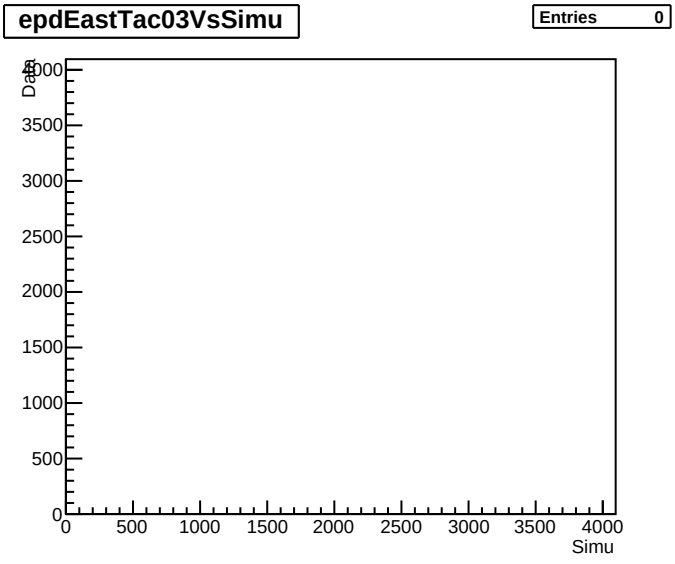
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries6145465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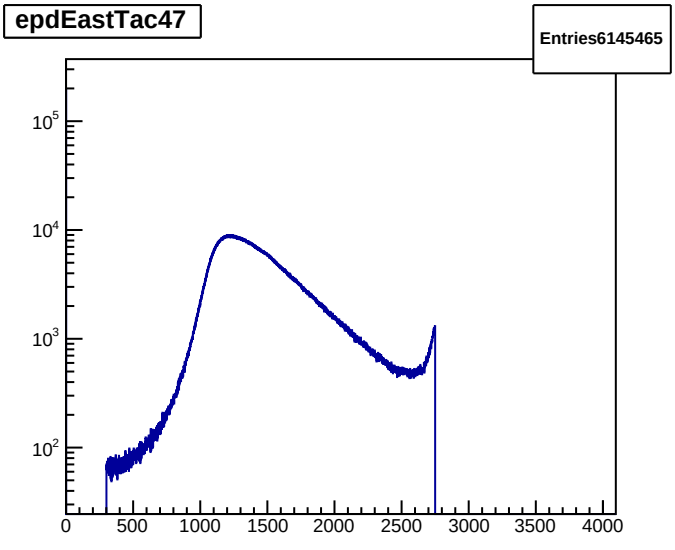
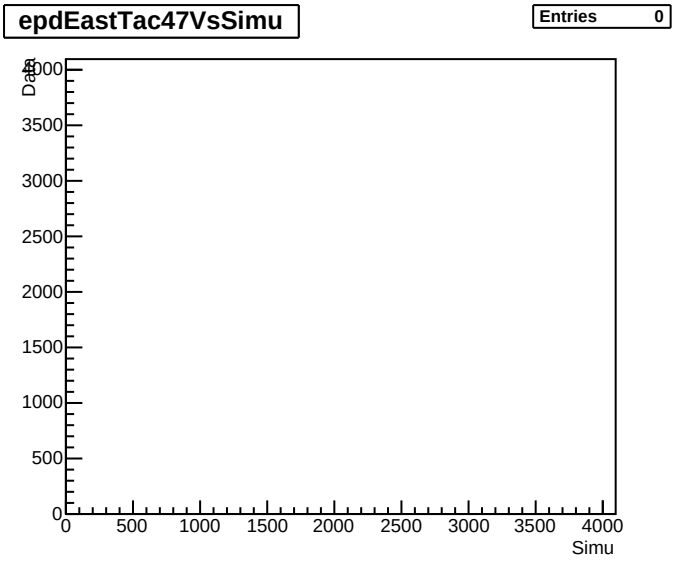
Entries 0
Data
Simu


epdEastTac47
Entries6145465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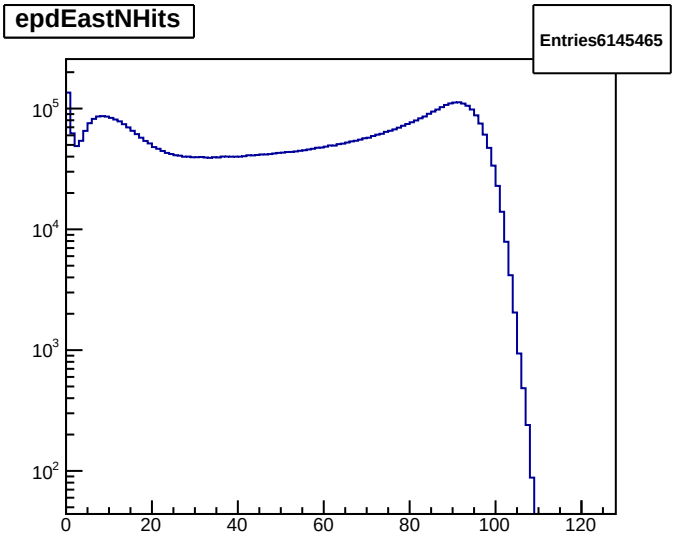
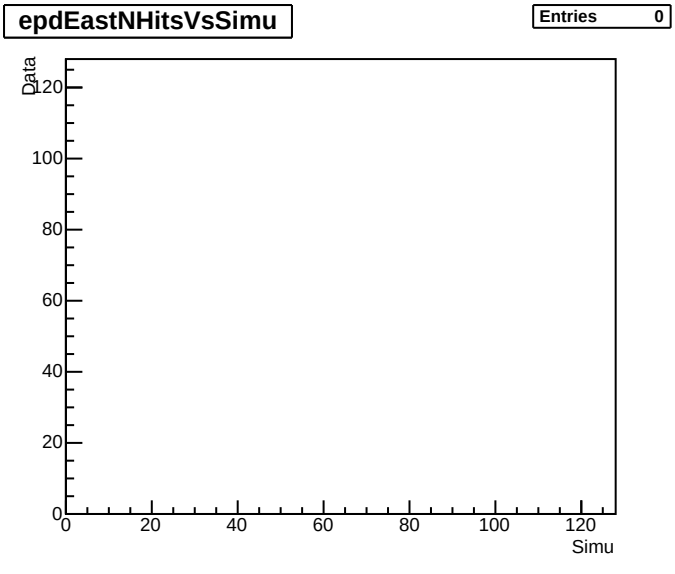
Entries 0
Data
Simu


epdEastNHits
Entries6145465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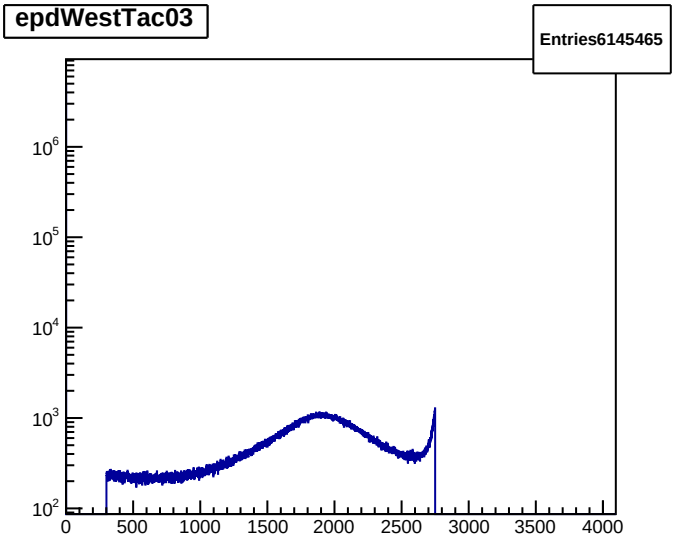
Entries 0
Data
Simu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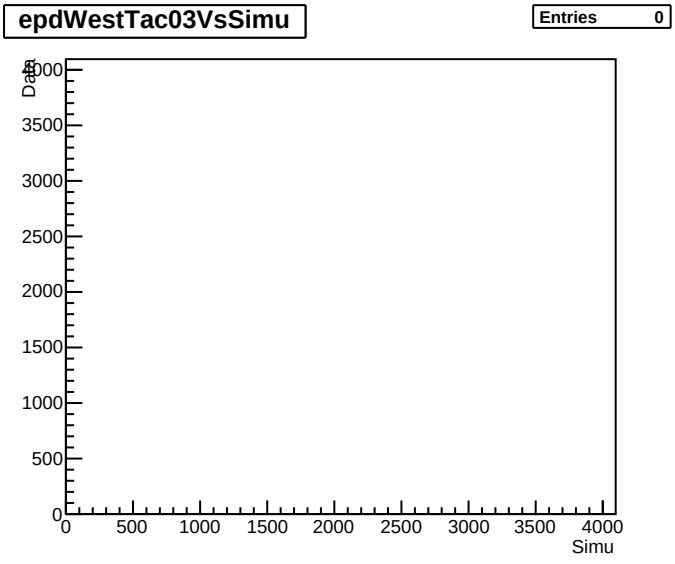
Entries6145465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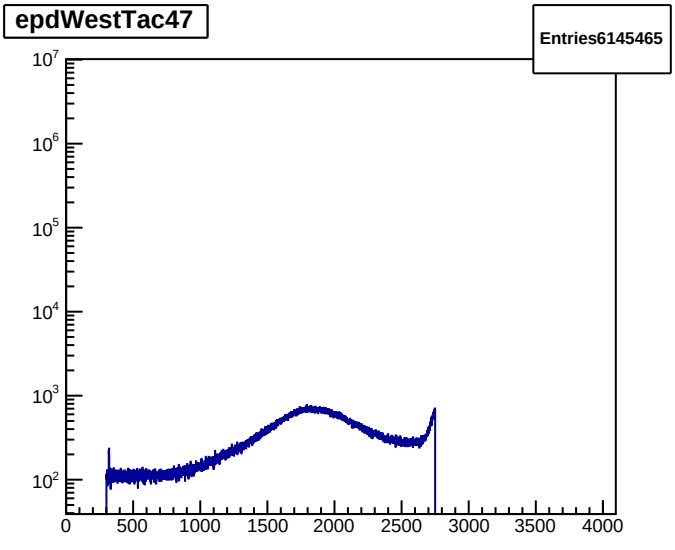
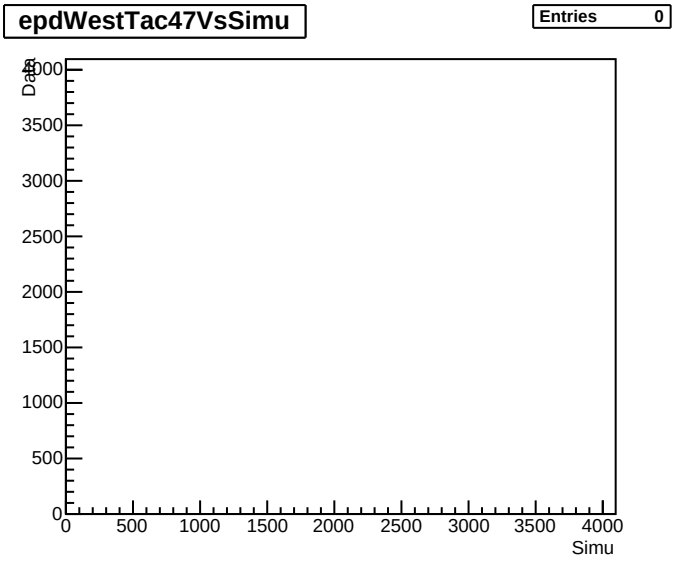
Entries 0
Data
Simu


epdWestTac47
Entries6145465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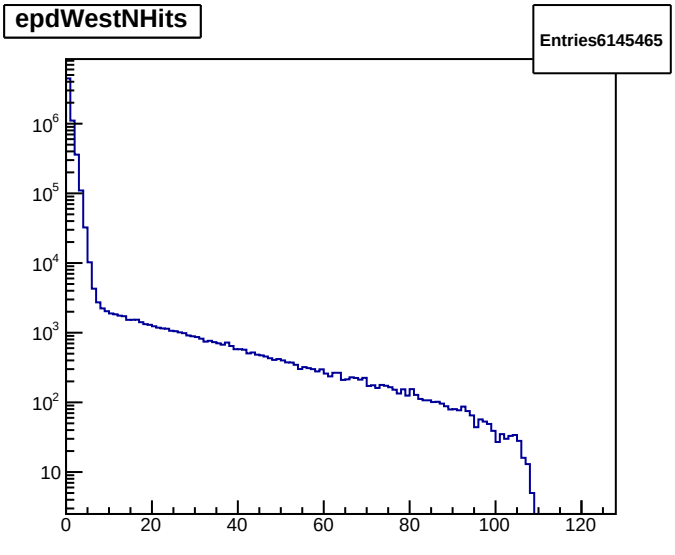
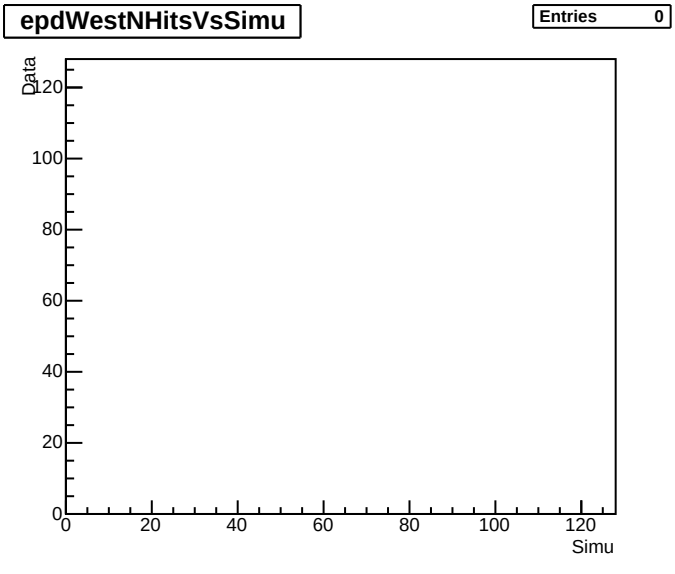
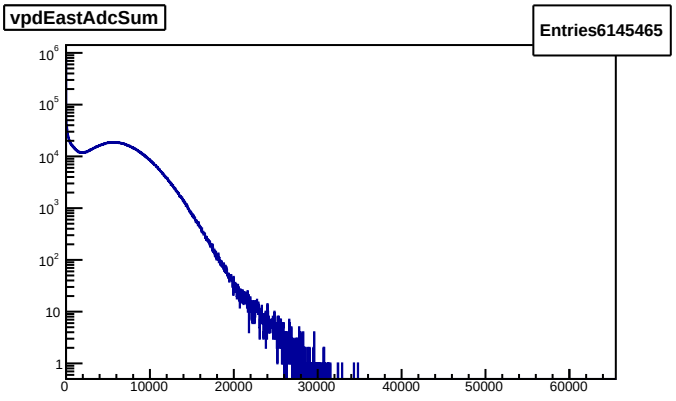
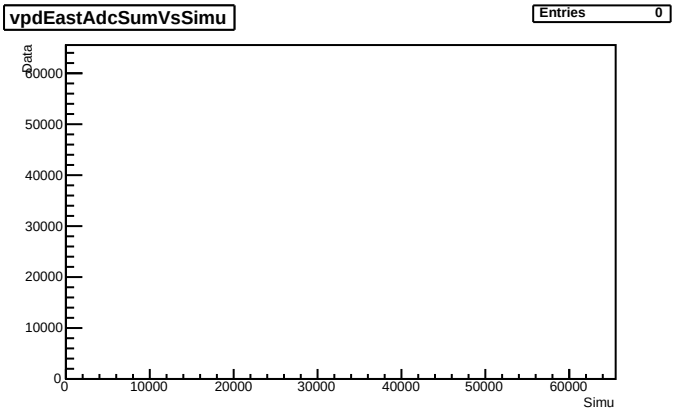
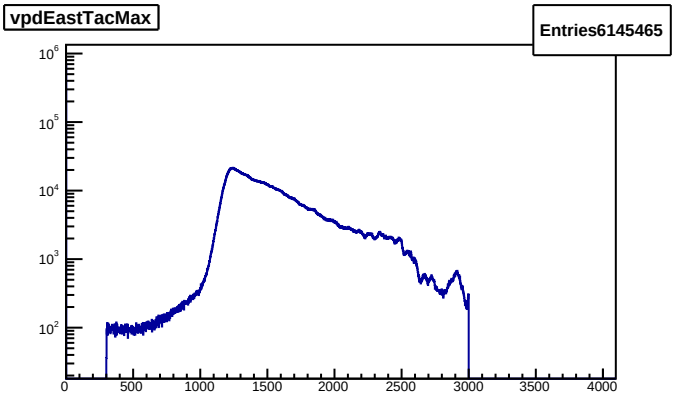
Entries 0
Data
Simu

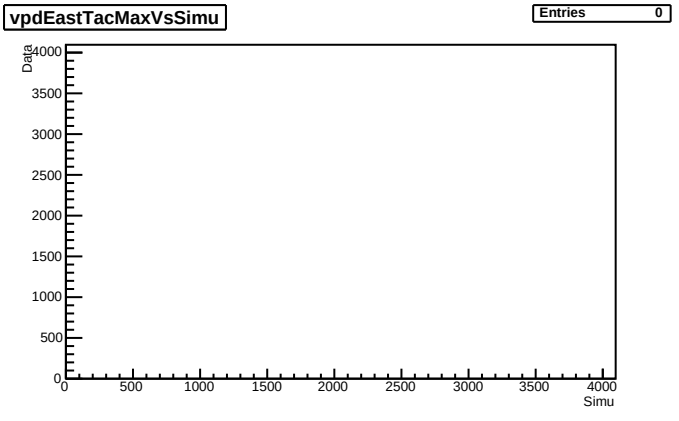

epdWestNHits
Entries6145465

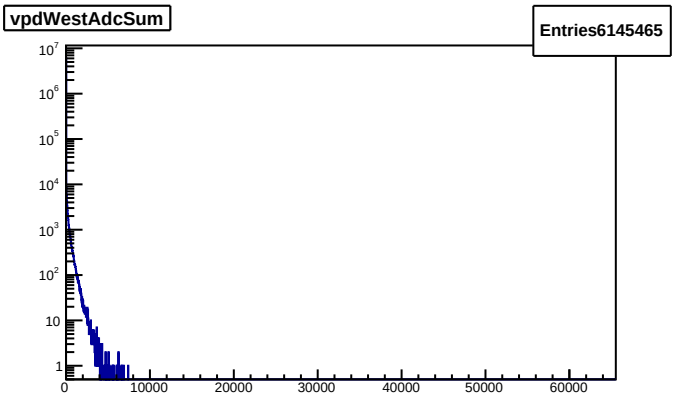

epdWestNHitsVsSimu
Entries 0
Data
Simu

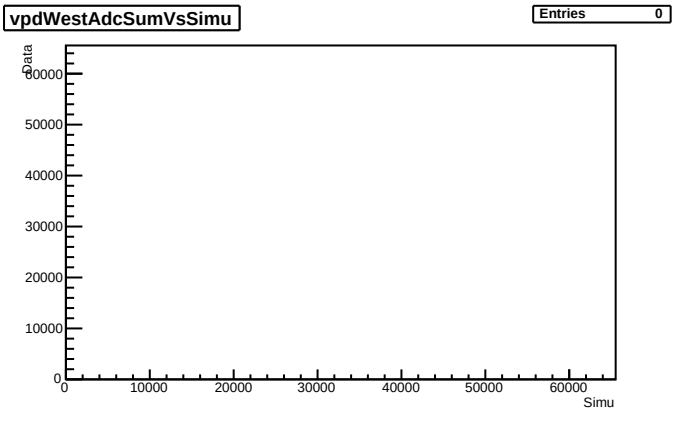

vpdEastAdcSum
Entries6145465

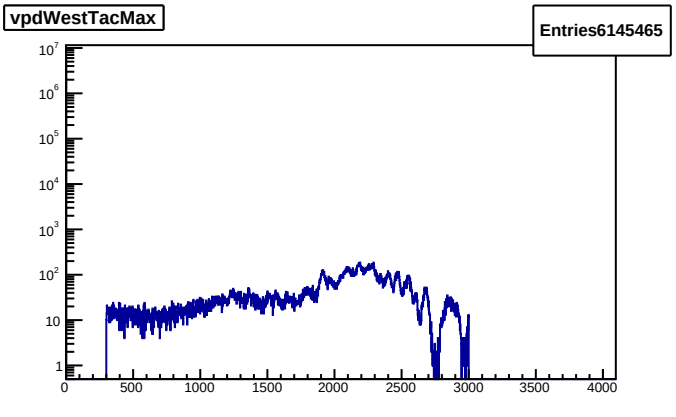

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

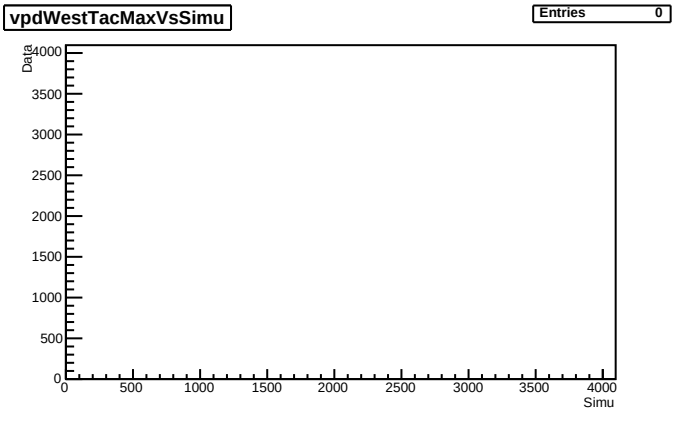

vpdEastTacMax
Entries6145465

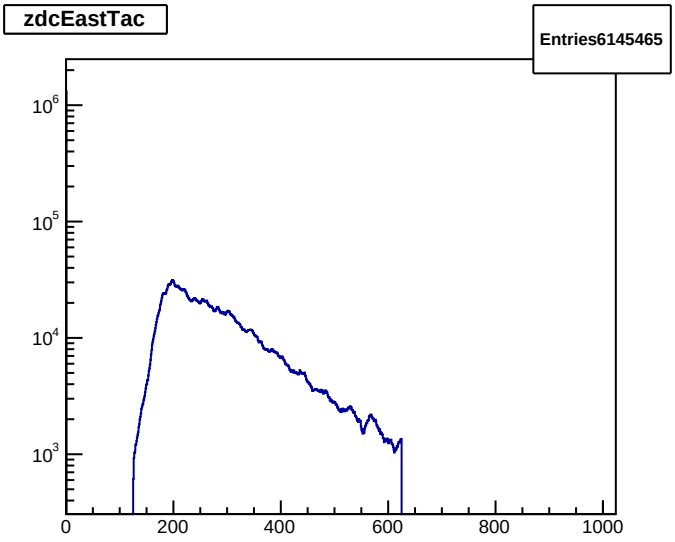

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

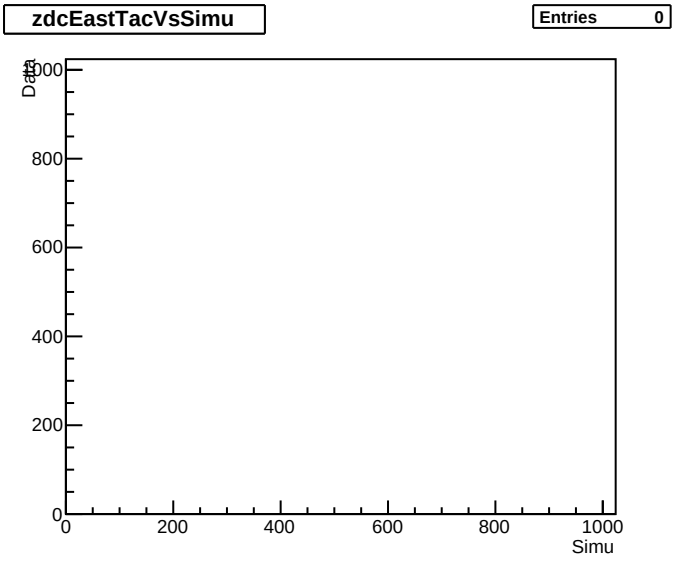

vpdWestAdcSum
Entries6145465

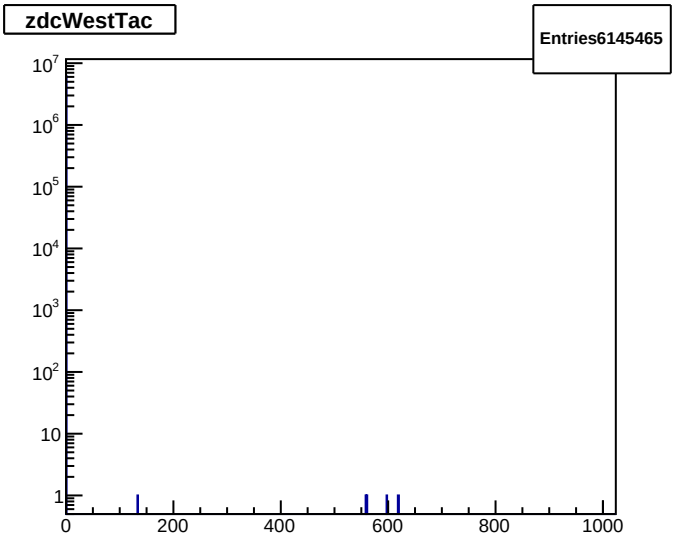

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

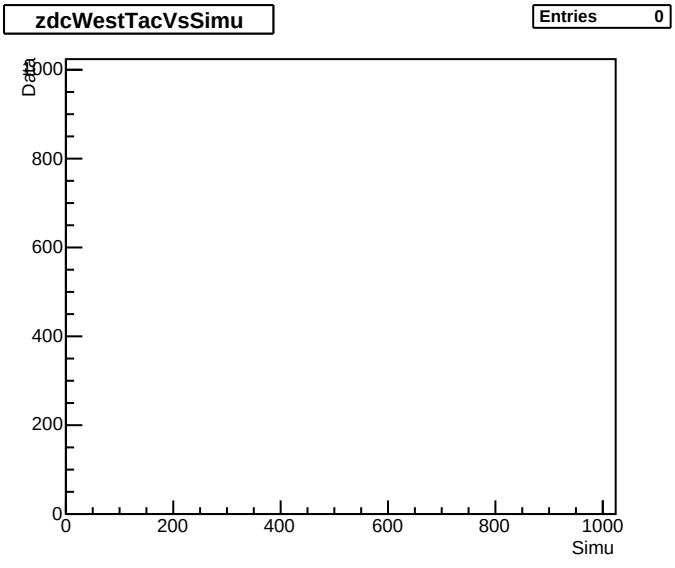

vpdWestTacMax
Entries6145465

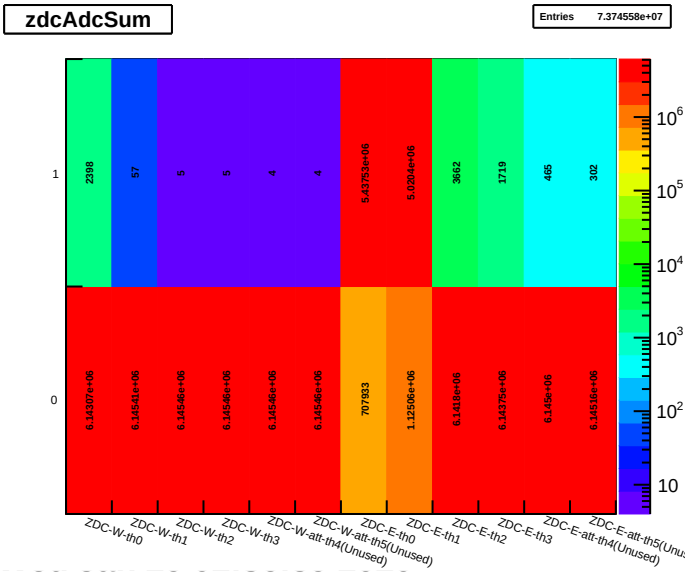

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

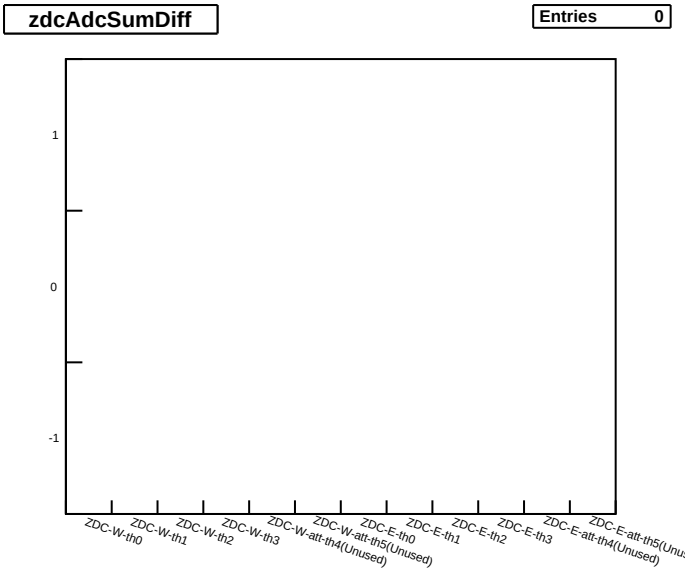

zdcEastTac
Entries6145465
10^6
10^5
10^4
10^3
0
200
400
600
800
1000

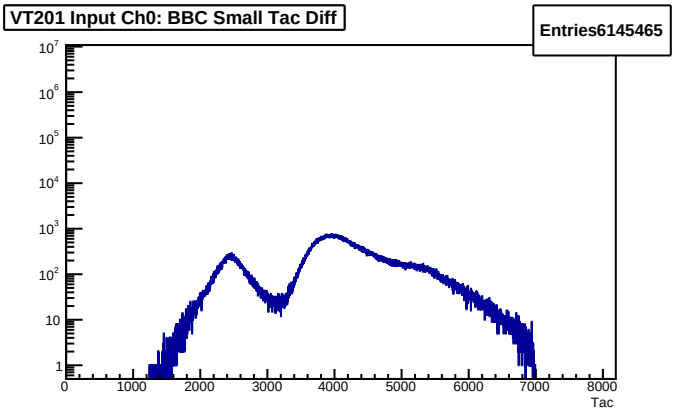

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

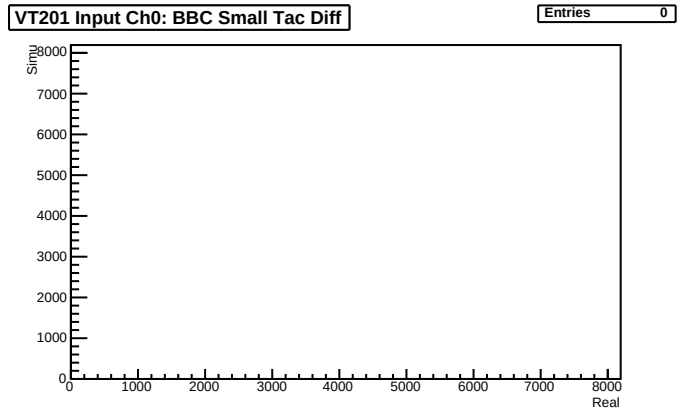

zdcWestTac
Entries6145465
10^7
10^6
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

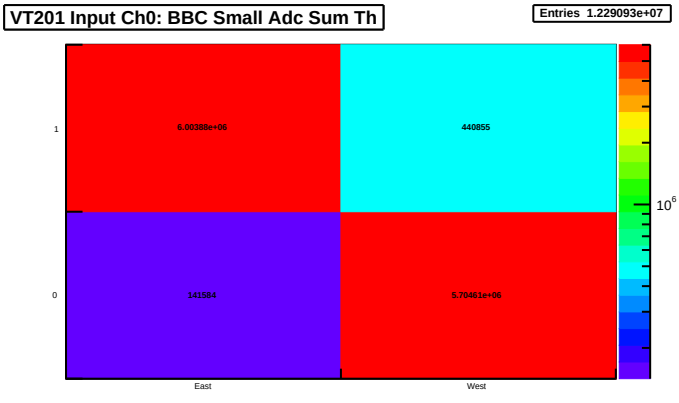

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

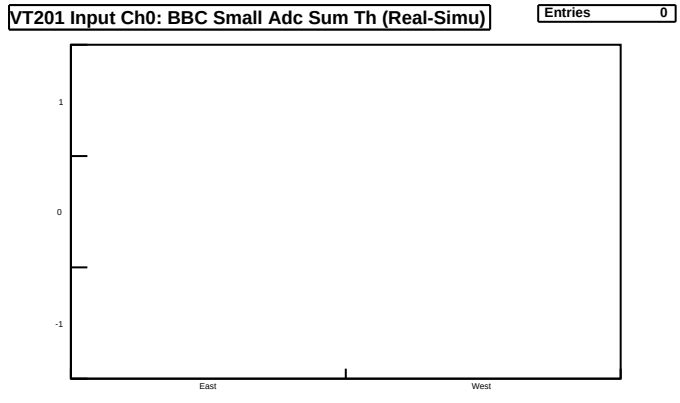

zdcAdcSum
Entries 7.374558e+07
1
0
2398
57
5
5
4
4
5.43753e+06
5.0204e+06
3662
1719
465
302
6.14307e+06
6.14541e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
707933
1.12506e+06
6.1418e+06
6.14375e+06
6.145e+06
6.14516e+06
10^6
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
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

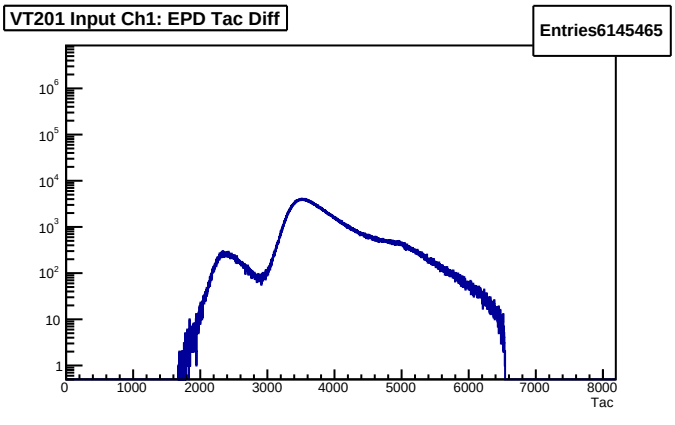

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

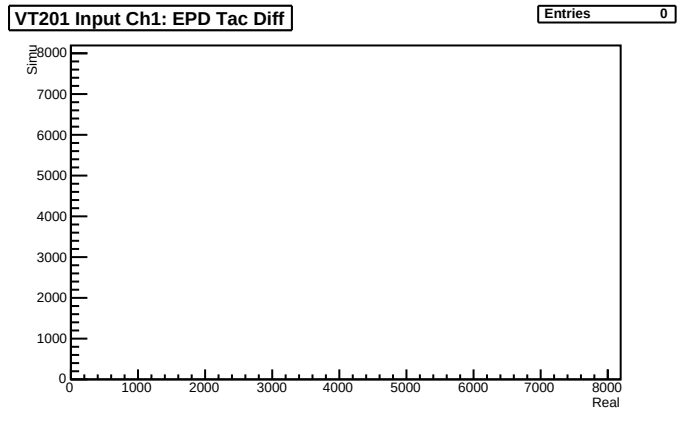

VT201 Input Ch0: BBC Small Tac Diff
Entries6145465
Tac

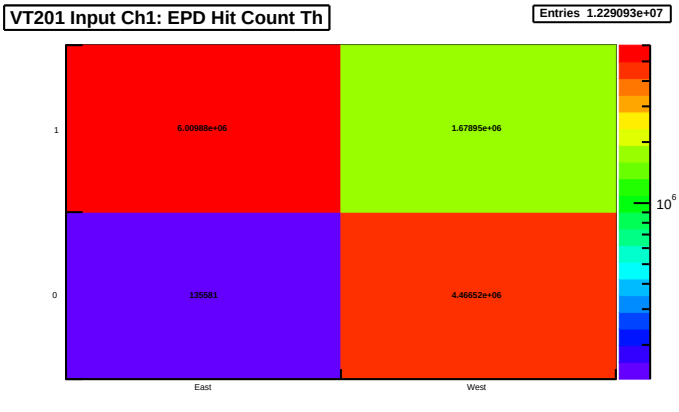

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

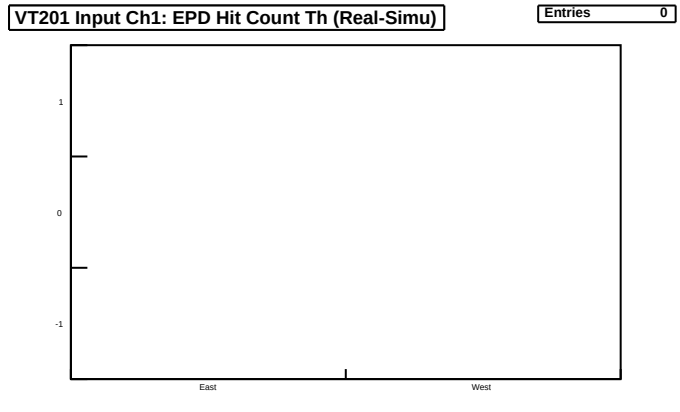

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1.229093e+07
6.00388e+06
440855
141584
5.70461e+06
East
West

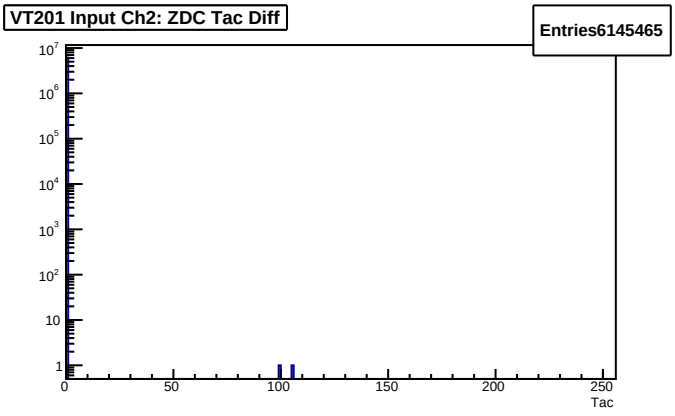

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

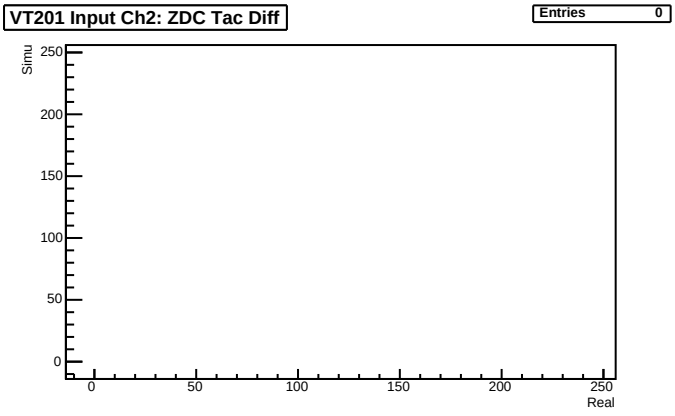

VT201 Input Ch1: EPD Tac Diff
Entries6145465
Tac

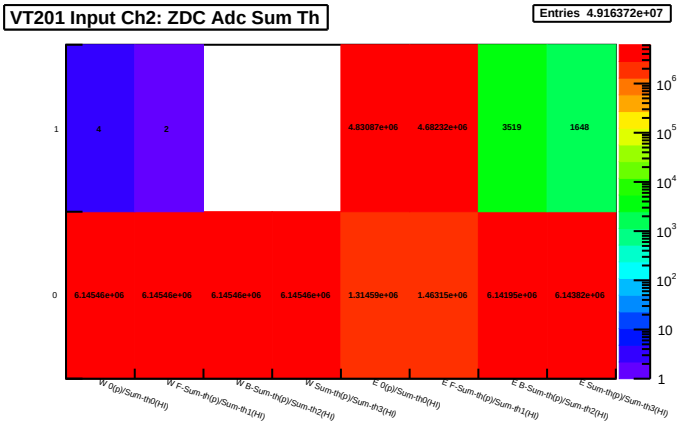

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

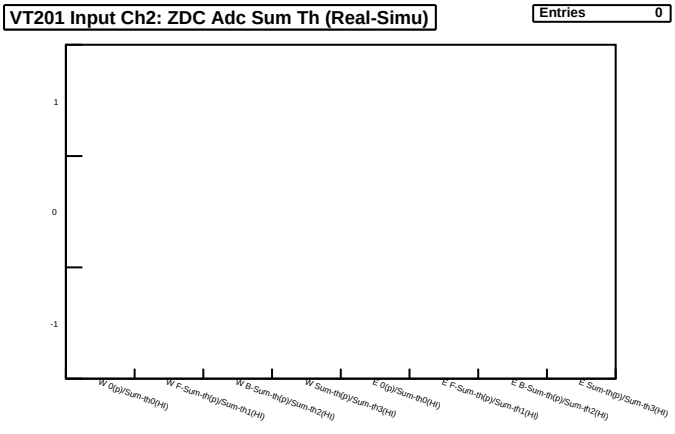

VT201 Input Ch1: EPD Hit Count Th
Entries 1.229093e+07
6.00988e+06
1.67895e+06
135581
4.46652e+06
East
West

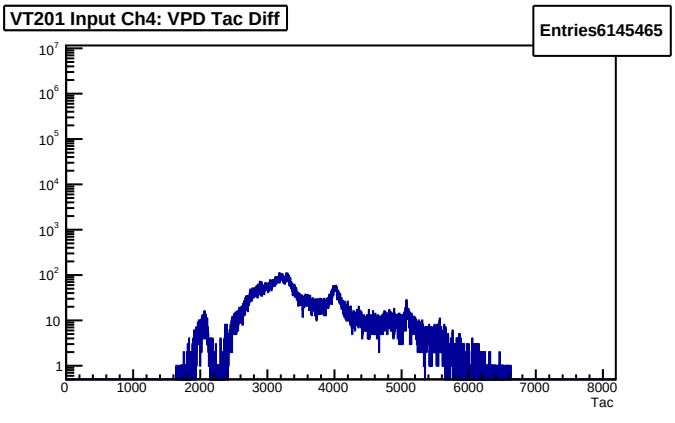

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

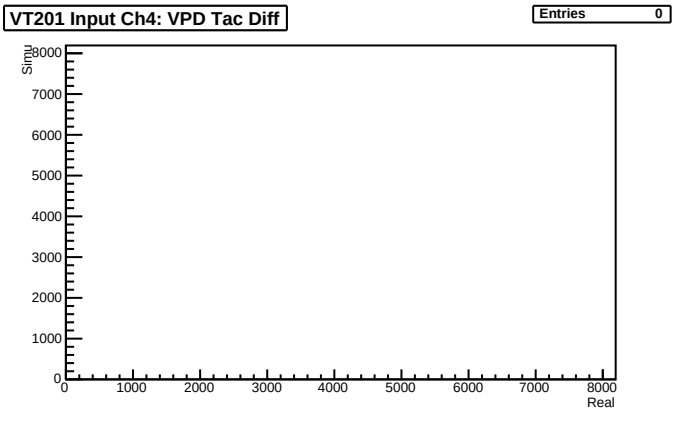

VT201 Input Ch2: ZDC Tac Diff
Entries6145465
Tac

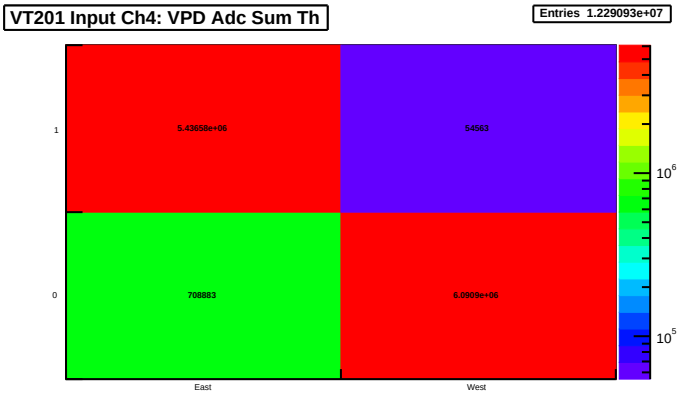

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

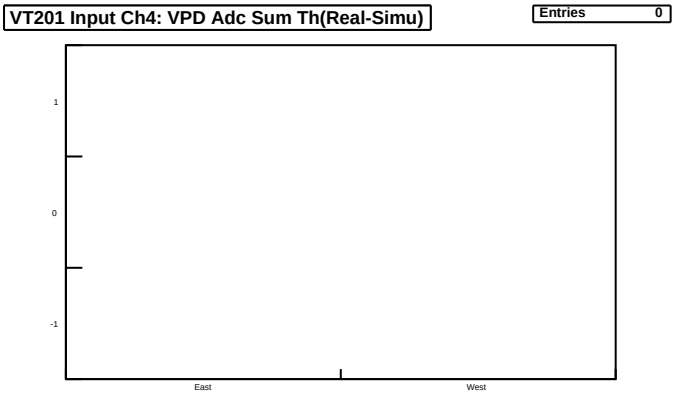

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4.916372e+07
4
2
4.83087e+06
4.68232e+06
3519
1648
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
1.31459e+06
1.46315e+06
6.14195e+06
6.14382e+06
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

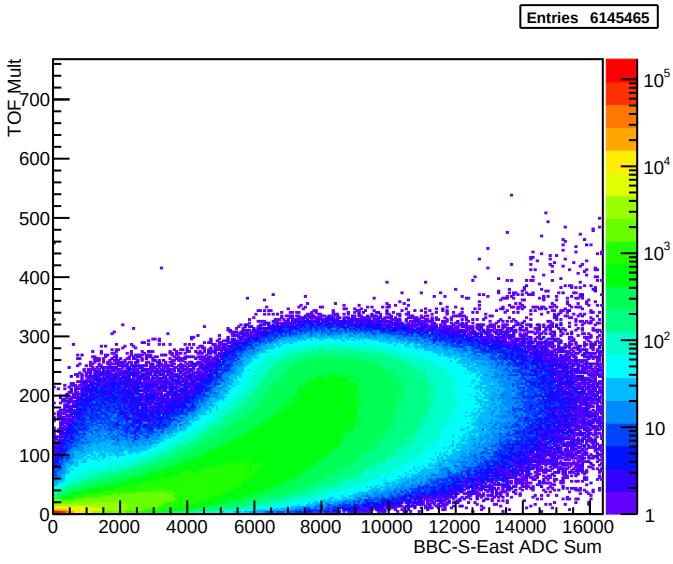

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

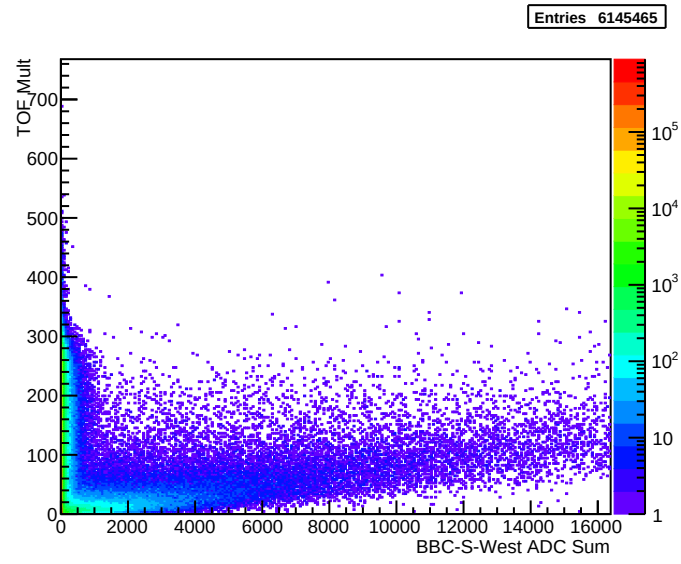

VT201 Input Ch4: VPD Tac Diff
Entries6145465
Tac

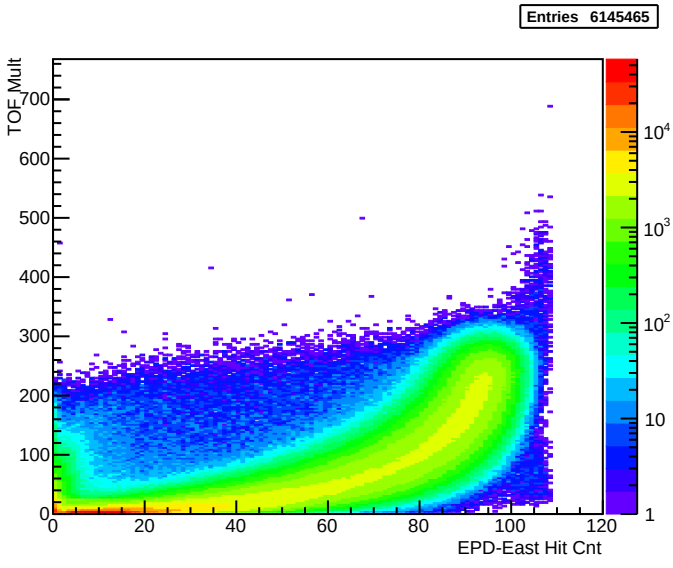

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

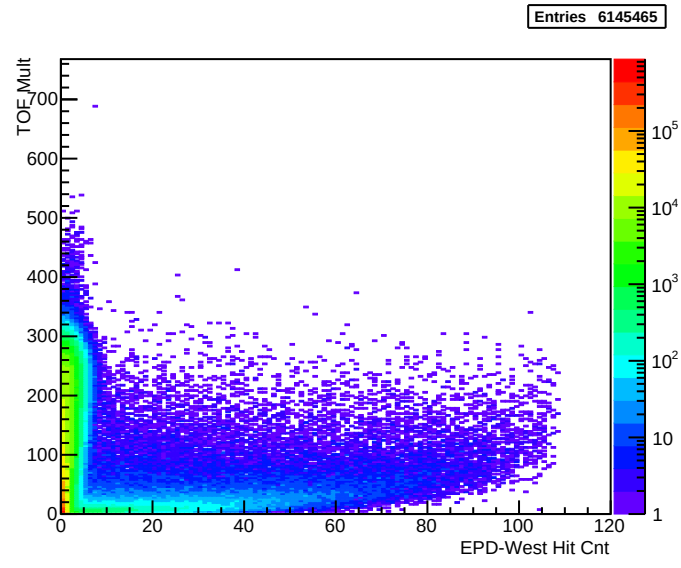

VT201 Input Ch4: VPD Adc Sum Th
Entries 1.229093e+07
5.43658e+06
54563
708883
6.0909e+06
East
West

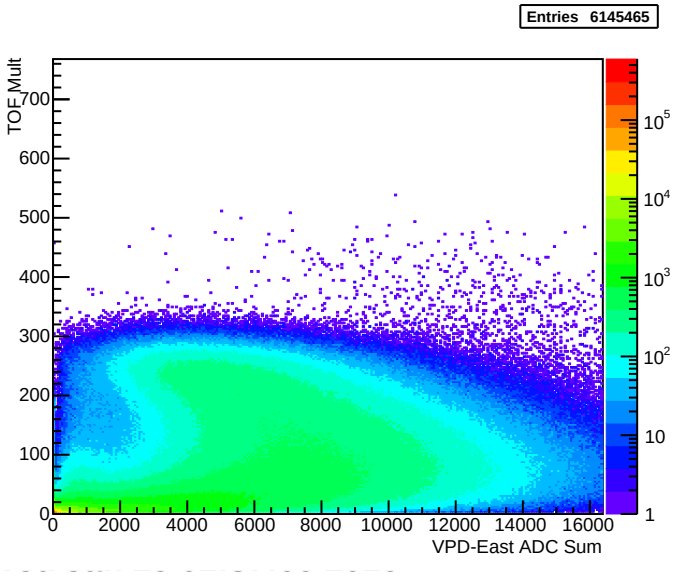

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

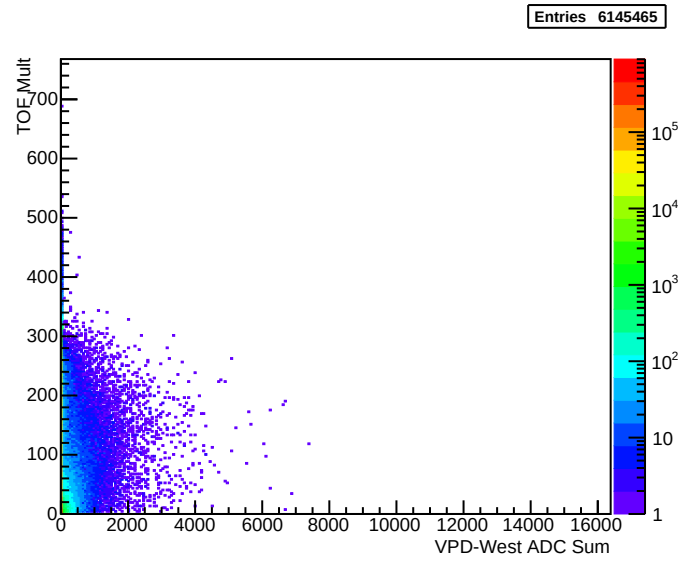

Entries 6145465
TOF_Mult
BBC-S-East ADC Sum

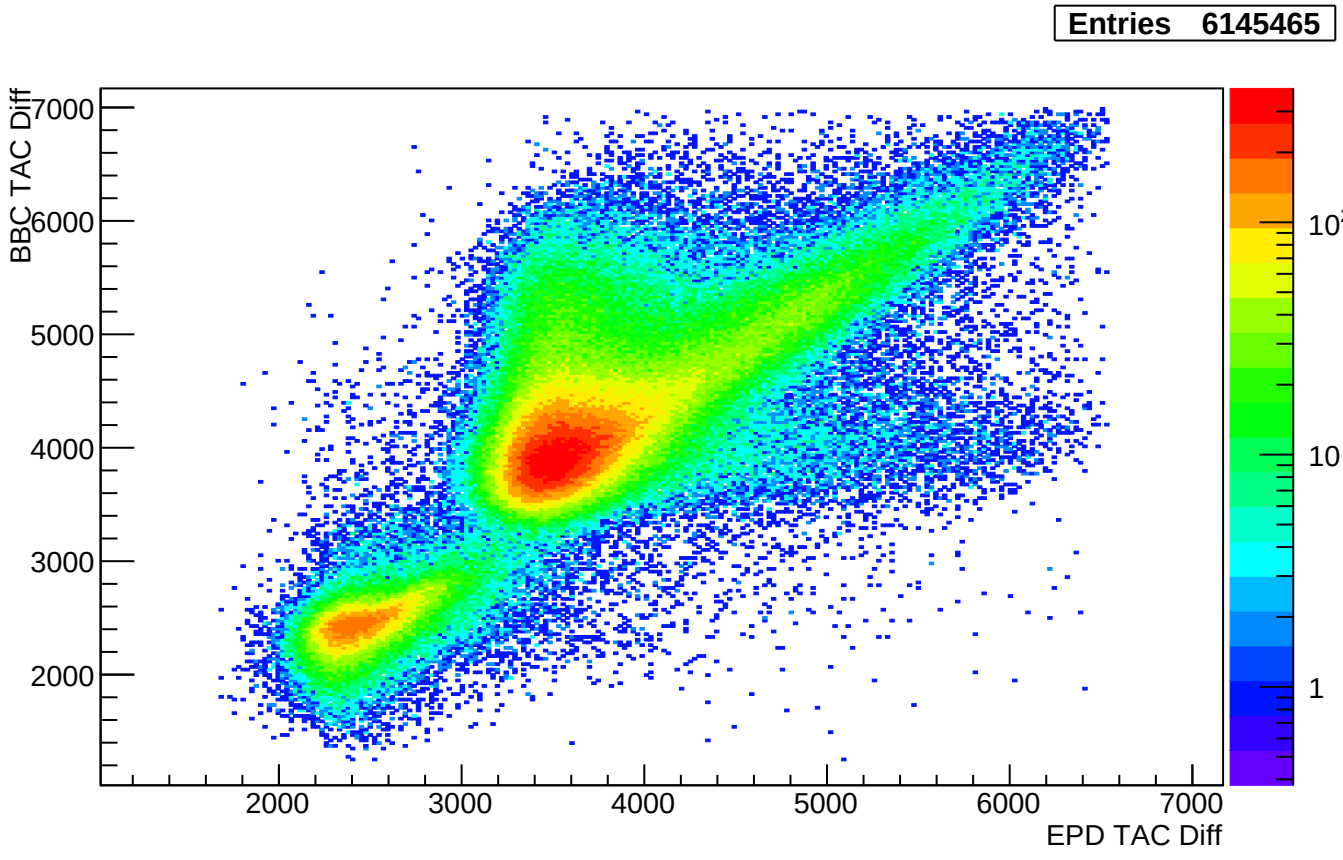

Entries 6145465
TOF_Mult
BBC-S-West ADC Sum

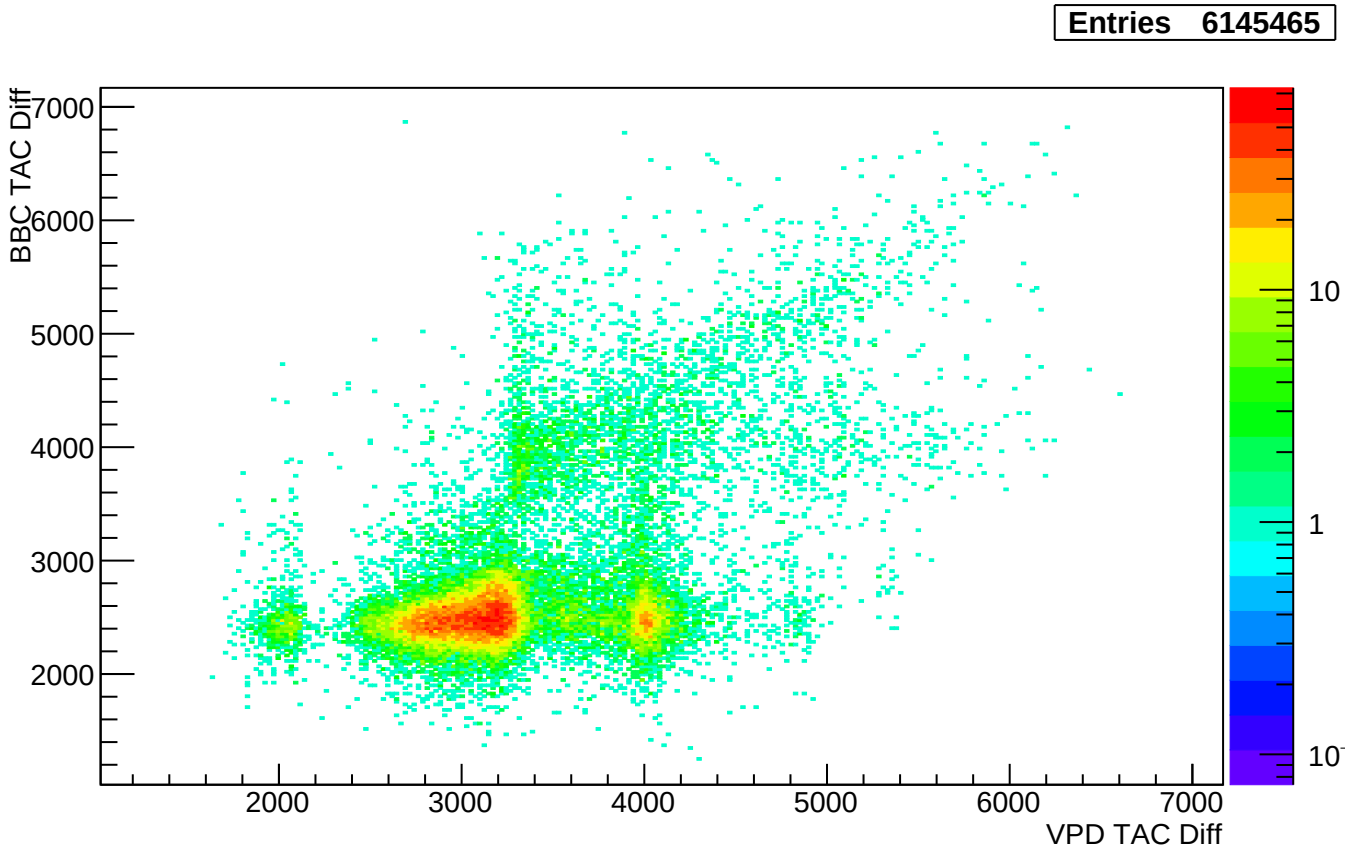

Entries 6145465
TOF_Mult
EPD-East Hit Cnt

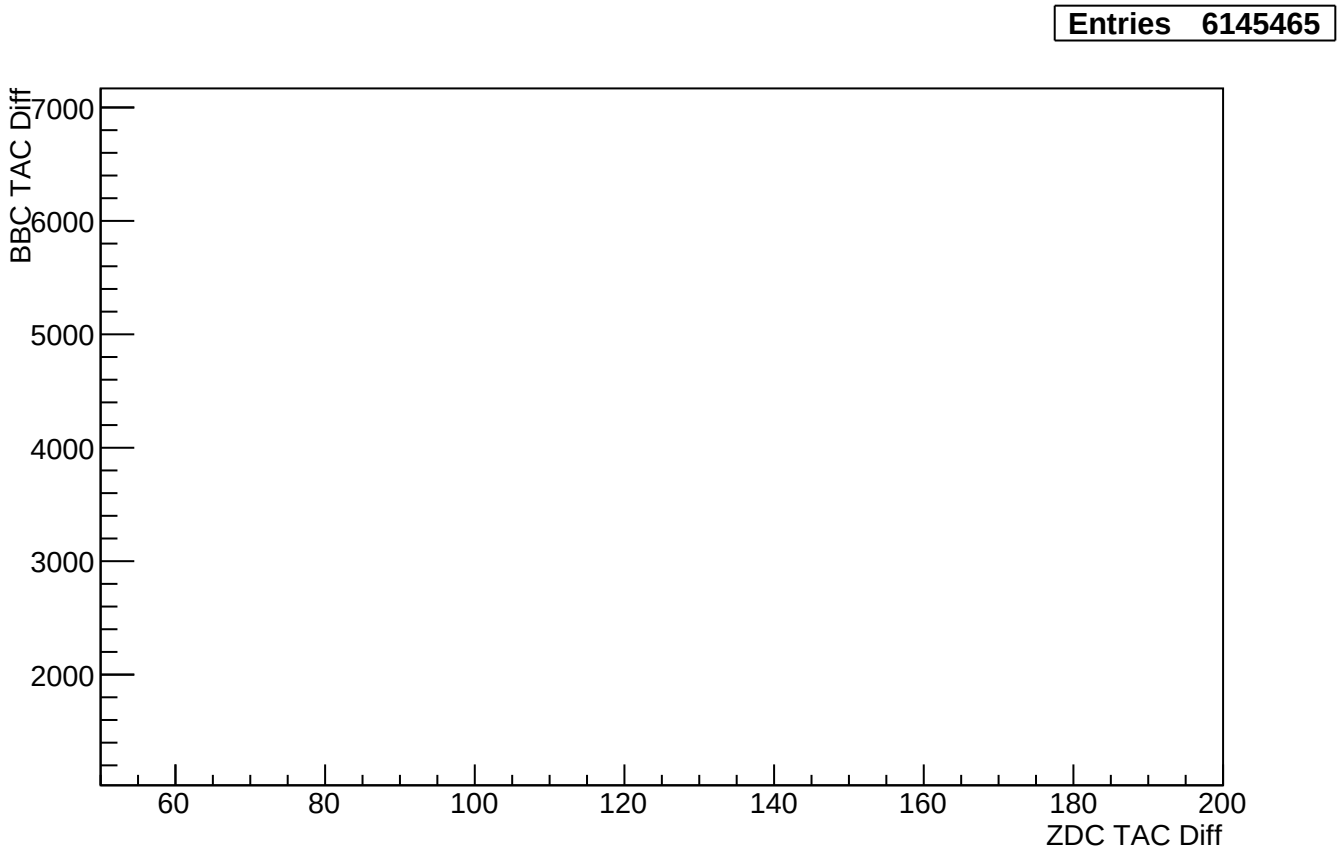

Entries 6145465
TOF_Mult
EPD-West Hit Cnt

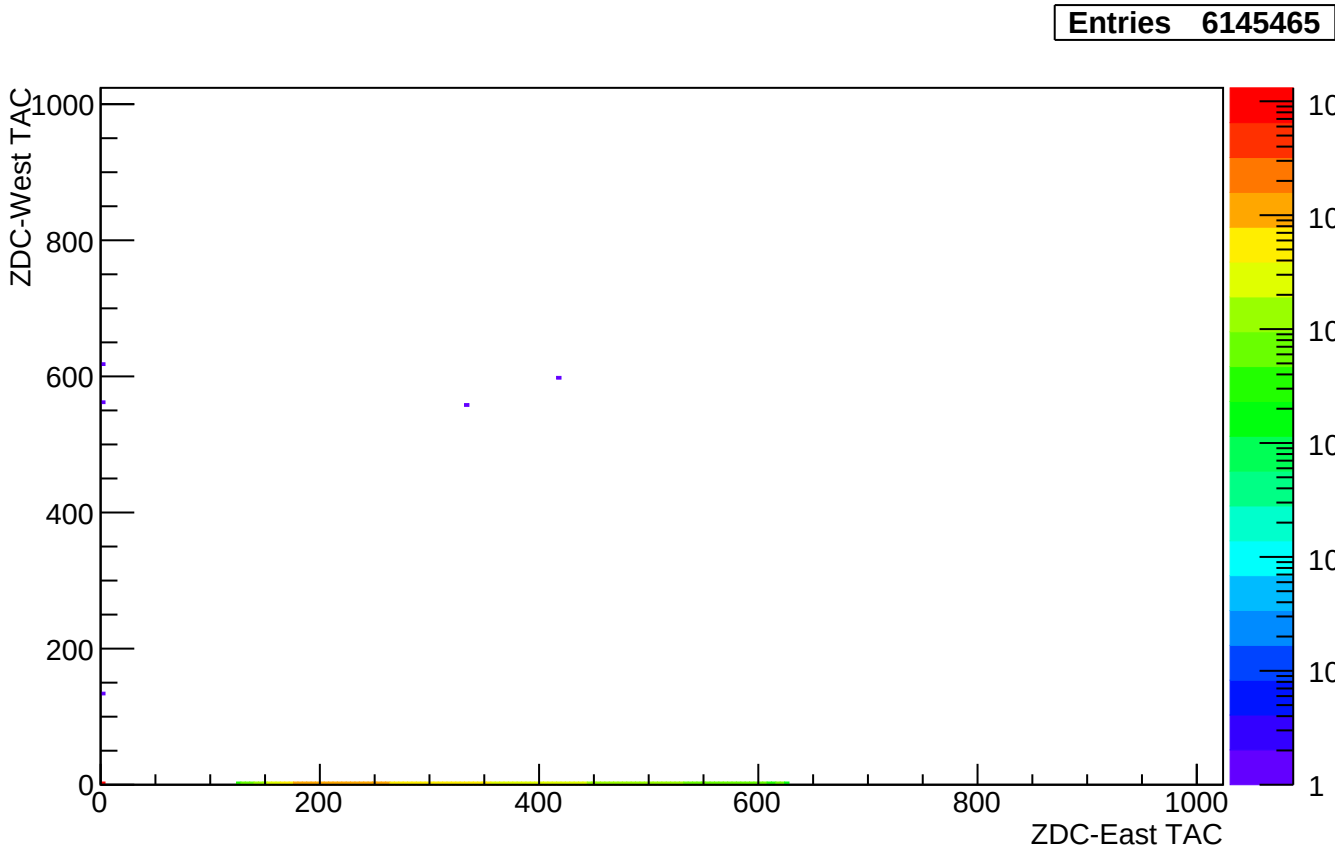

Entries 6145465
TOF_Mult
VPD-East ADC Sum

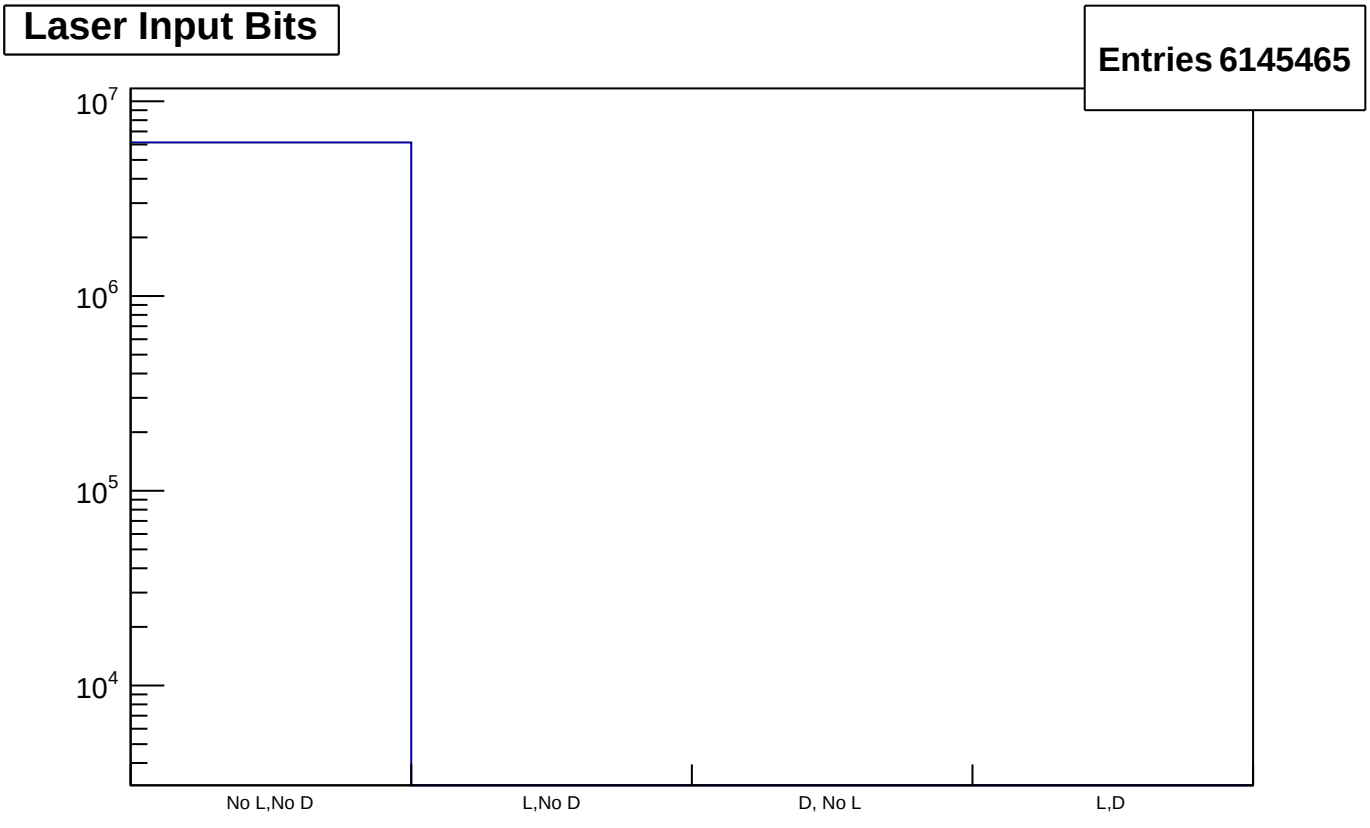

Entries 6145465
TOF_Mult
VPD-West ADC Sum

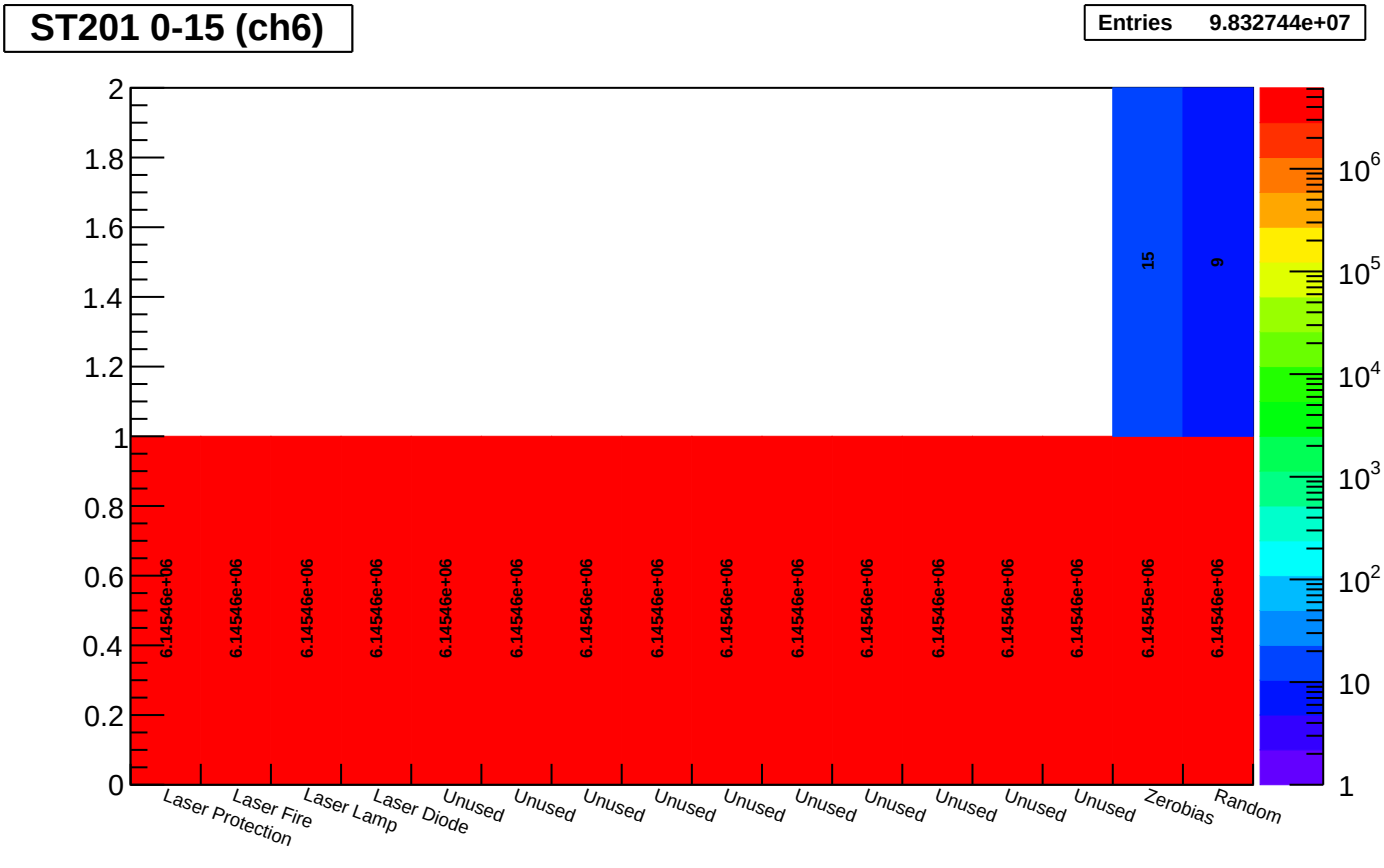

Entries 6145465
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

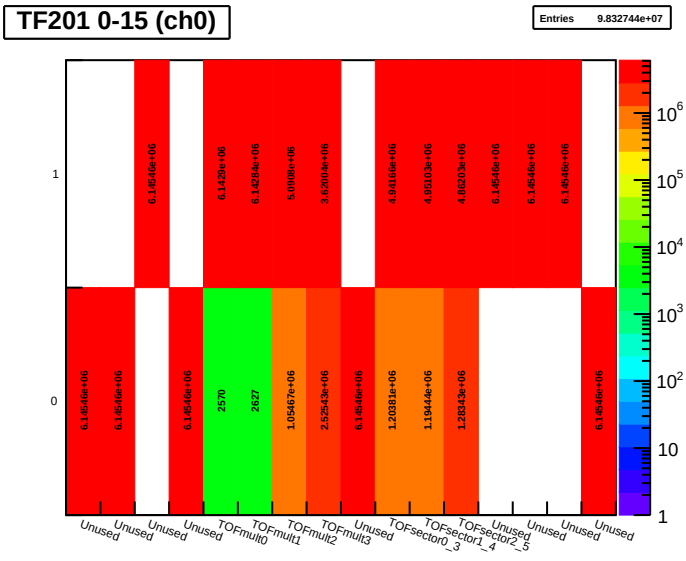

Entries 6145465
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

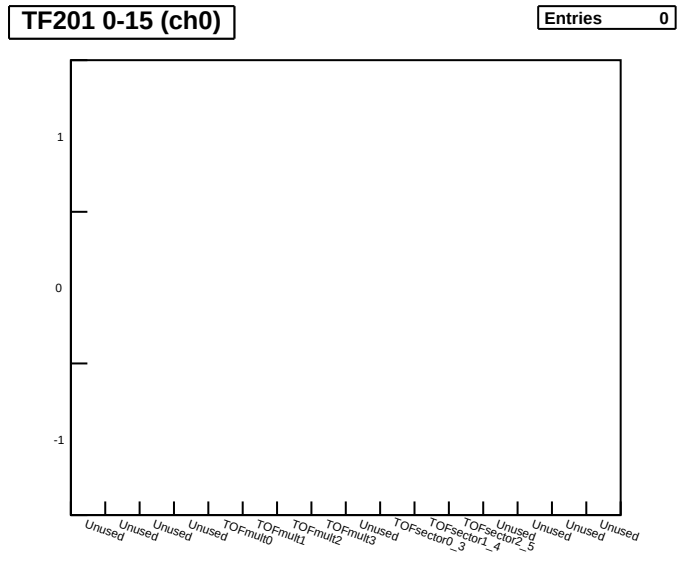

Entries 6145465
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

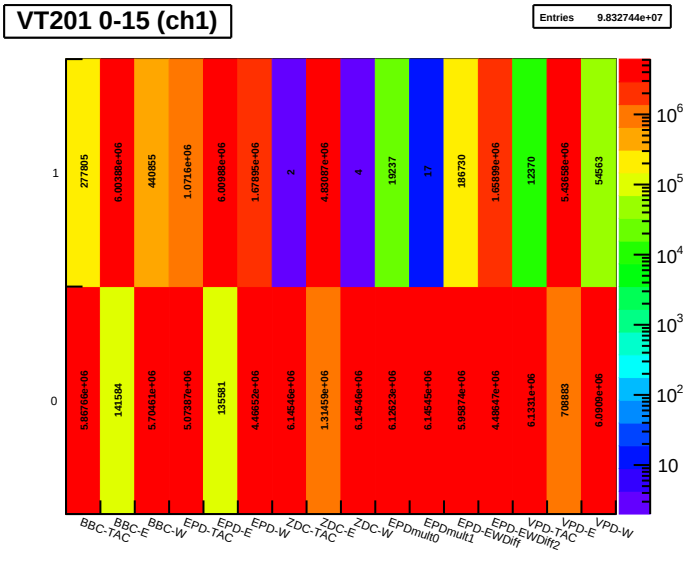

Entries 6145465
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

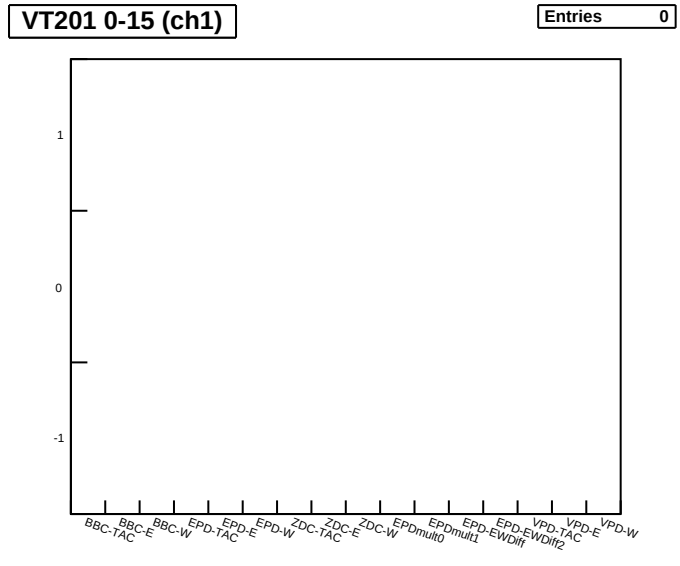

Laser Input Bits
Entries 6145465
10^7
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

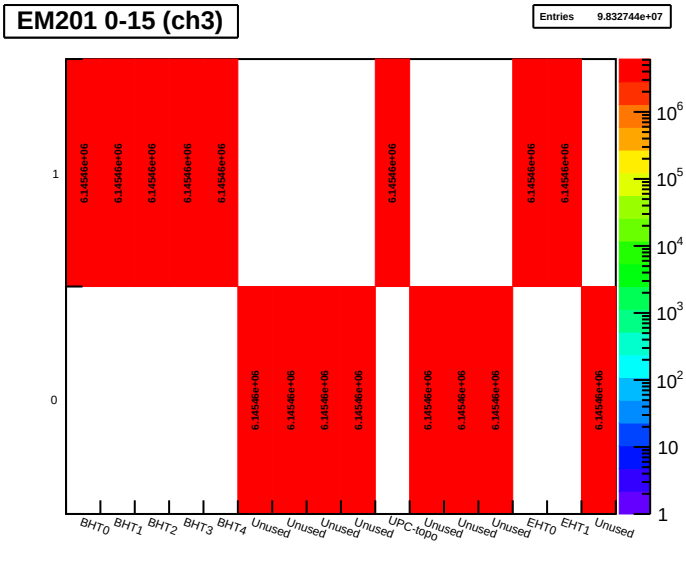

ST201 0-15 (ch6)
Entries 9.832744e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
15
9
6.14546e+06
6.14545e+06
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

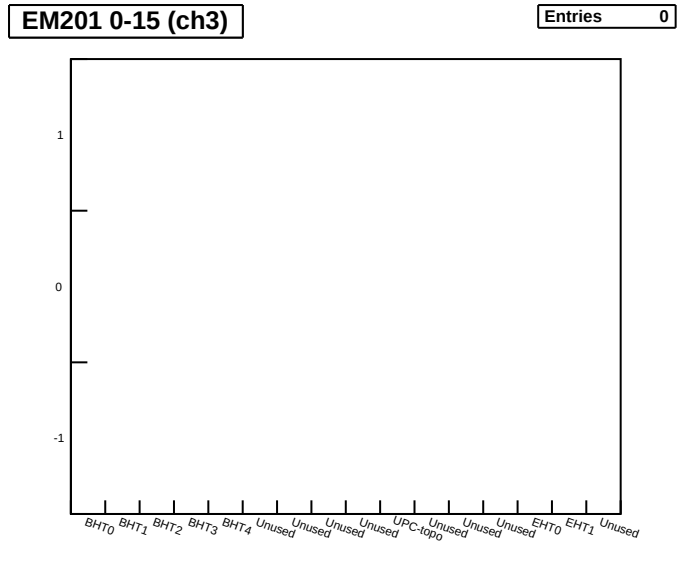

TF201 0-15 (ch0)
Entries 9.832744e+07
1
0
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
2570
2627
1.05467e+06
2.52543e+06
1.20381e+06
1.19444e+06
1.28343e+06
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 9.832744e+07
1
0
277805
6.00388e+06
440855
1.0716e+06
6.00388e+06
1.67895e+06
2
4.83087e+06
4
19237
17
186730
1.65899e+06
12370
5.43658e+06
54563
5.86766e+06
141584
5.70461e+06
5.07387e+06
135581
4.46652e+06
6.14546e+06
1.31459e+06
6.14546e+06
6.12623e+06
6.14545e+06
5.95874e+06
4.48647e+06
6.1331e+06
708883
6.0908e+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 9.832744e+07
1
0
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+06
6.14546e+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