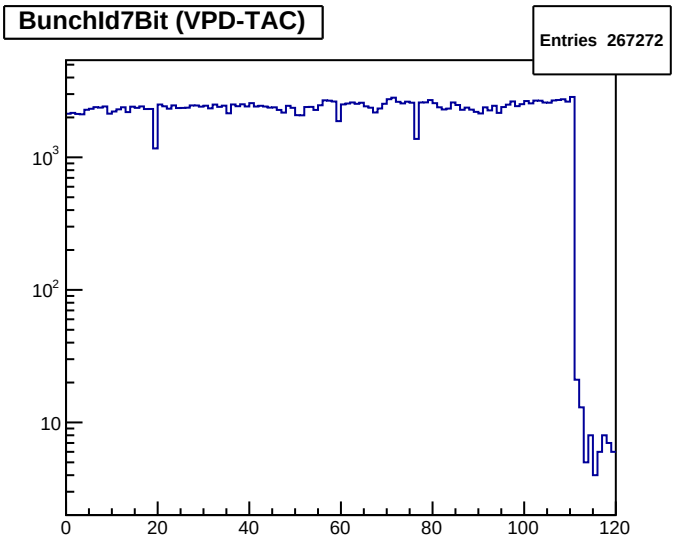
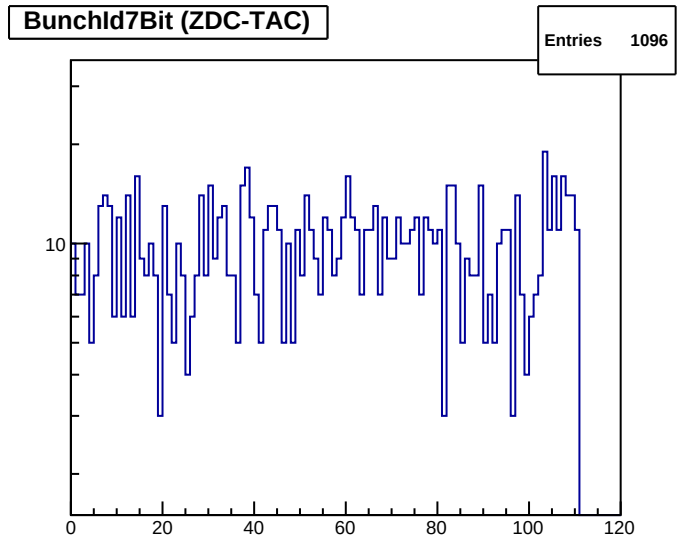
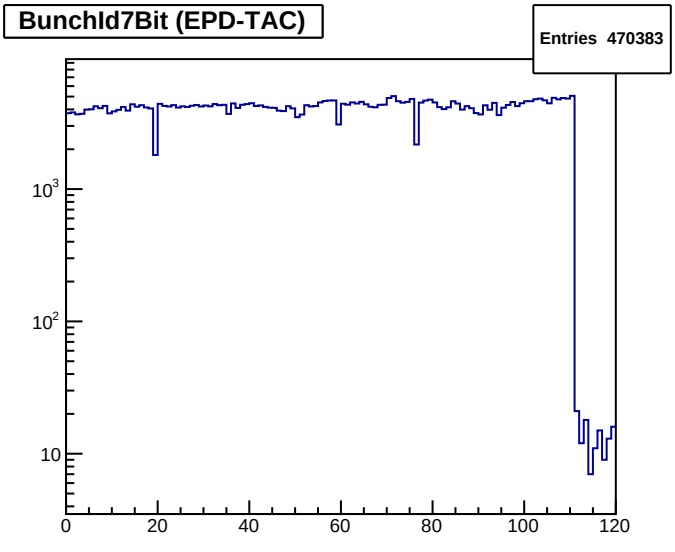
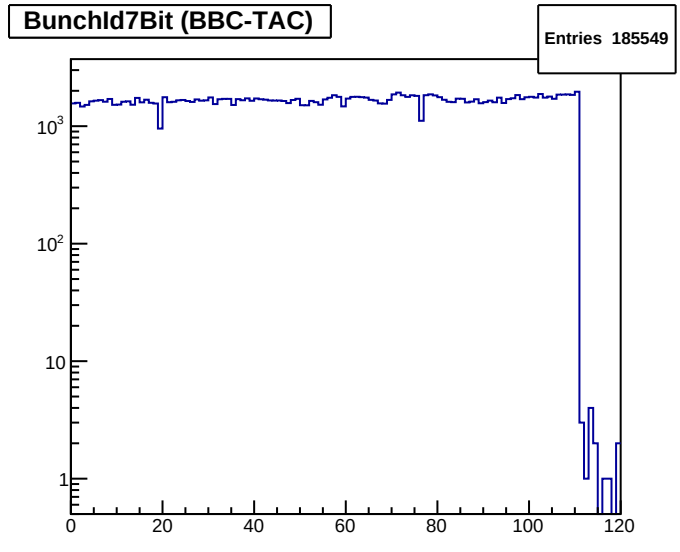
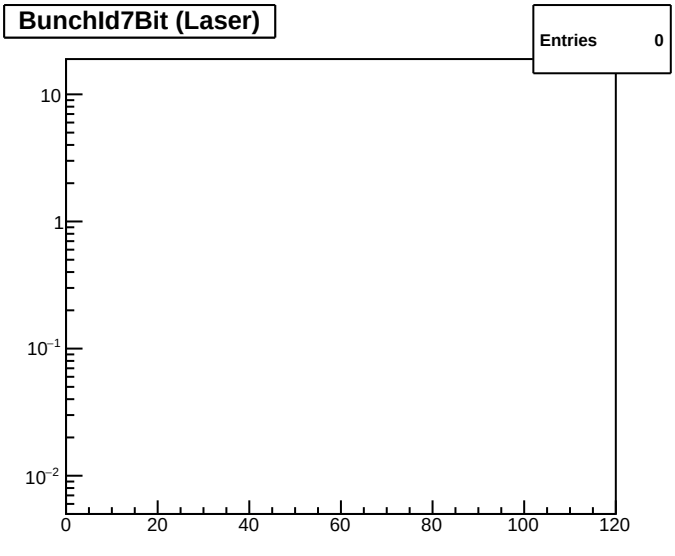
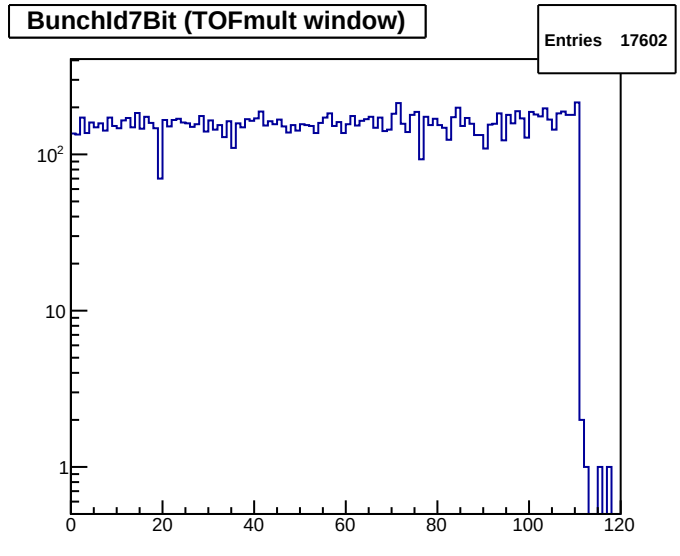

BunchId7Bit (VPD-TAC)
Entries 267272
10^3
10^2
10
0 20 40 60 80 100 120

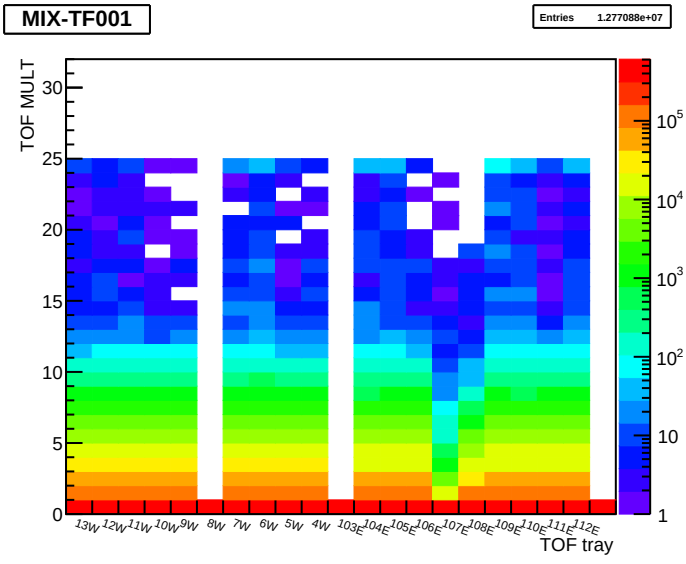

BunchId7Bit (ZDC-TAC)
Entries 1096
10
0 20 40 60 80 100 120

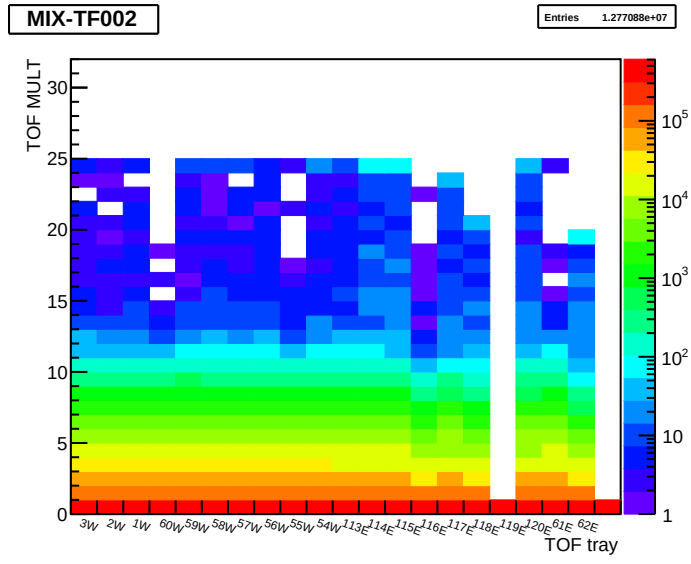

BunchId7Bit (EPD-TAC)
Entries 470383
10^3
10^2
10
0 20 40 60 80 100 120

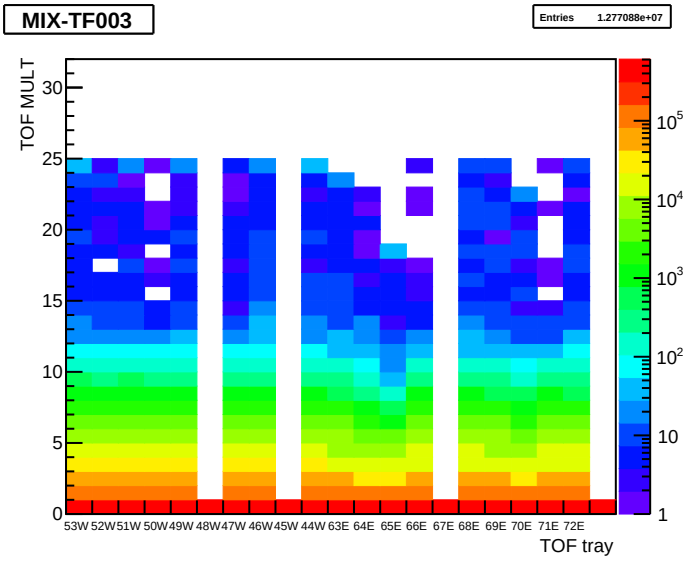

BunchId7Bit (BBC-TAC)
Entries 185549
10^3
10^2
10
1
0 20 40 60 80 100 120

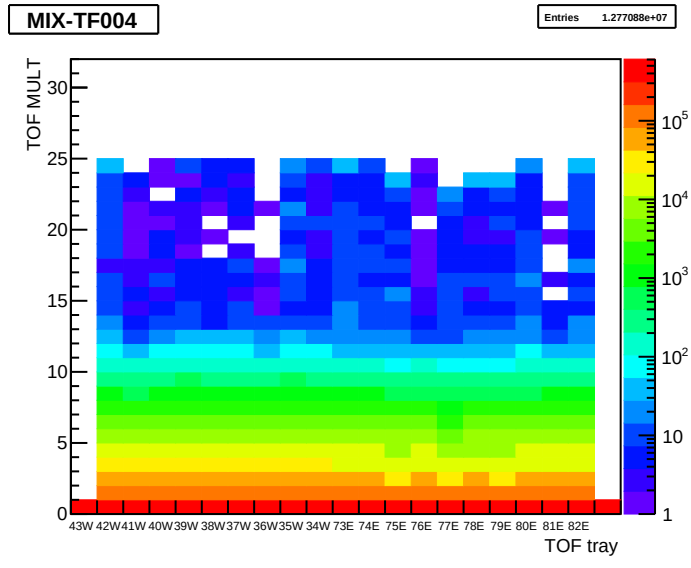

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

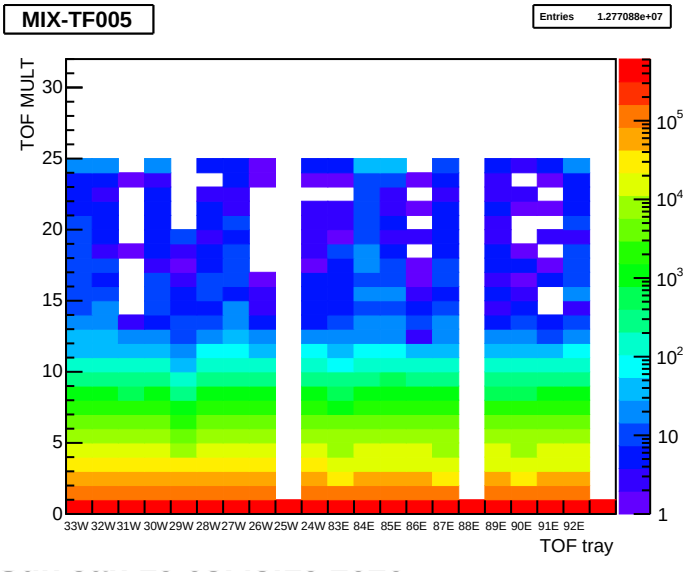

BunchId7Bit (TOFmult window)
Entries 17602
10^2
10
1
0 20 40 60 80 100 120

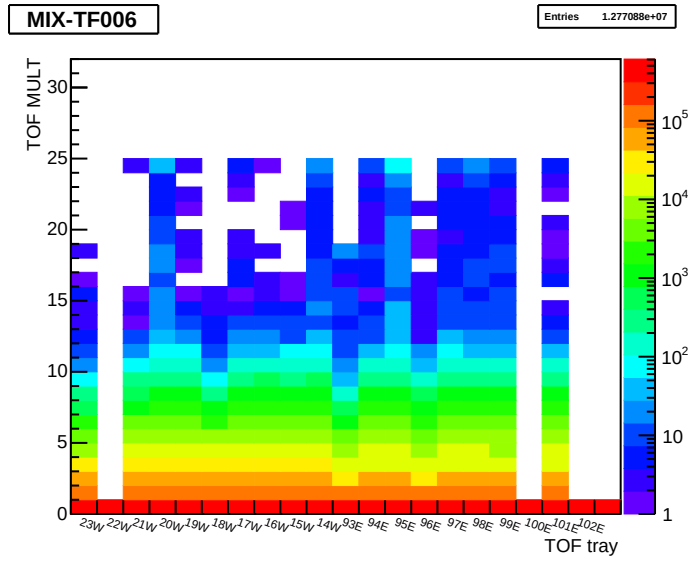

MIX-TF001
Entries 1.277088e+07
TOF MULT
TOF tray

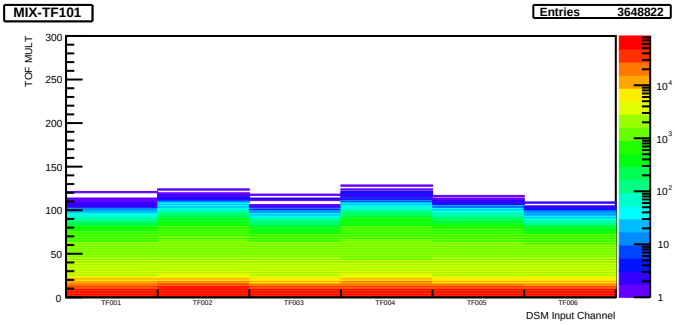

MIX-TF002
Entries 1.277088e+07
TOF MULT
TOF tray

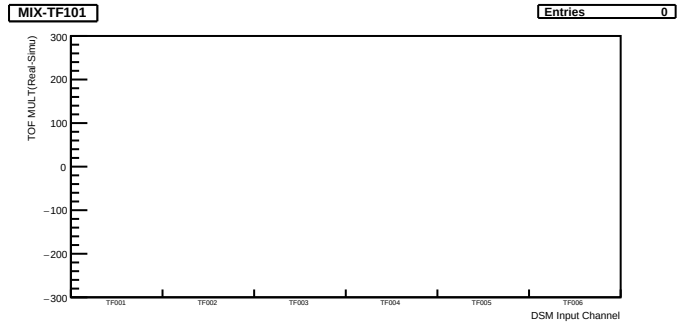

MIX-TF003
Entries 1.277088e+07
TOF MULT
TOF tray

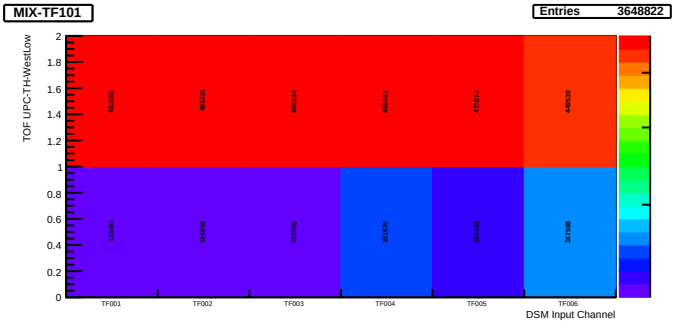

MIX-TF004
Entries 1.277088e+07
TOF MULT
TOF tray

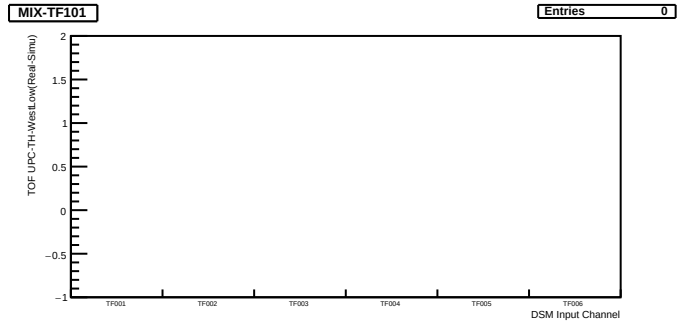

MIX-TF005
Entries 1.277088e+07
TOF MULT
TOF tray

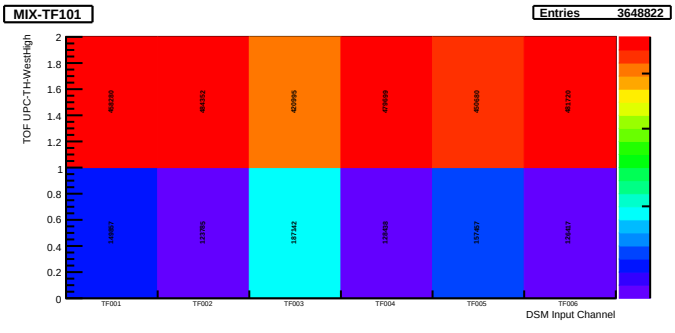

MIX-TF006
Entries 1.277088e+07
TOF MULT
TOF tray

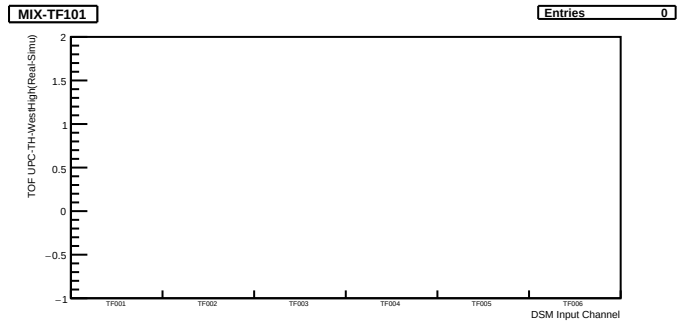

MIX-TF101
Entries 3648822
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

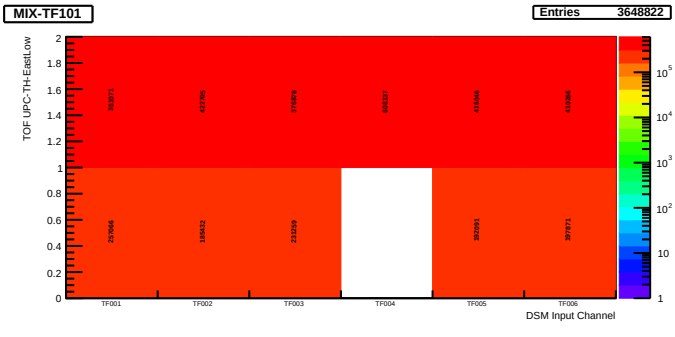

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

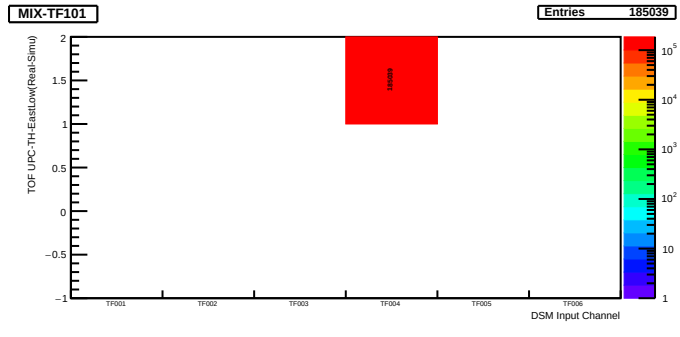

MIX-TF101
Entries 3648822
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

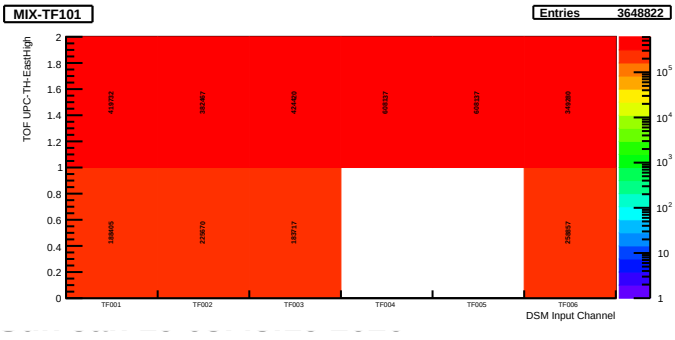

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

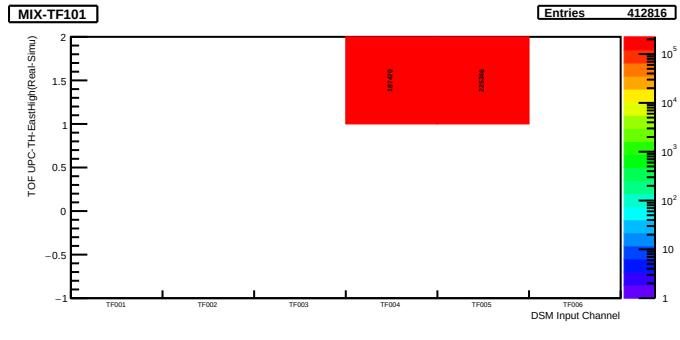

MIX-TF101
Entries 3648822
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

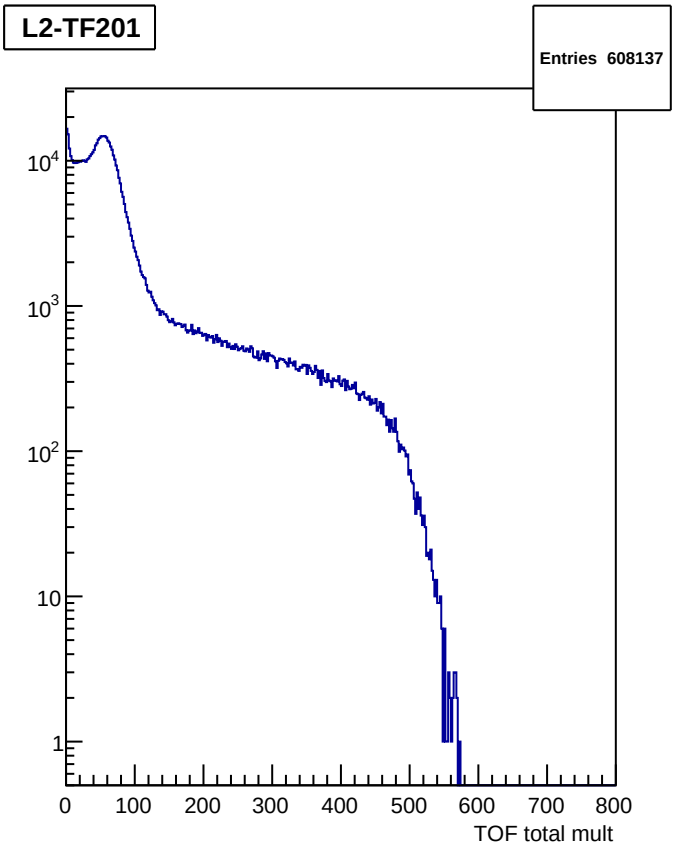

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

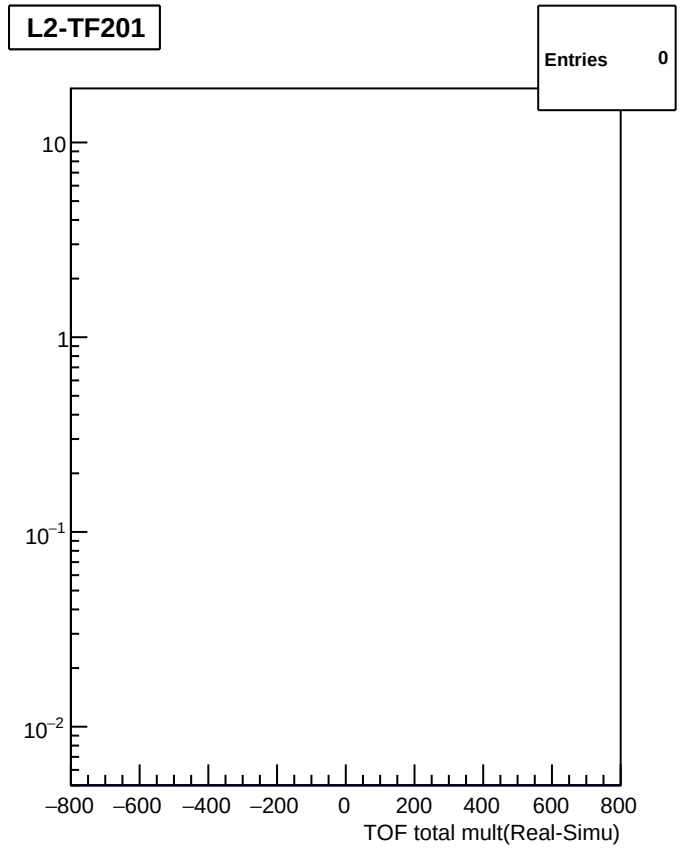

MIX-TF101
Entries 3648822
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

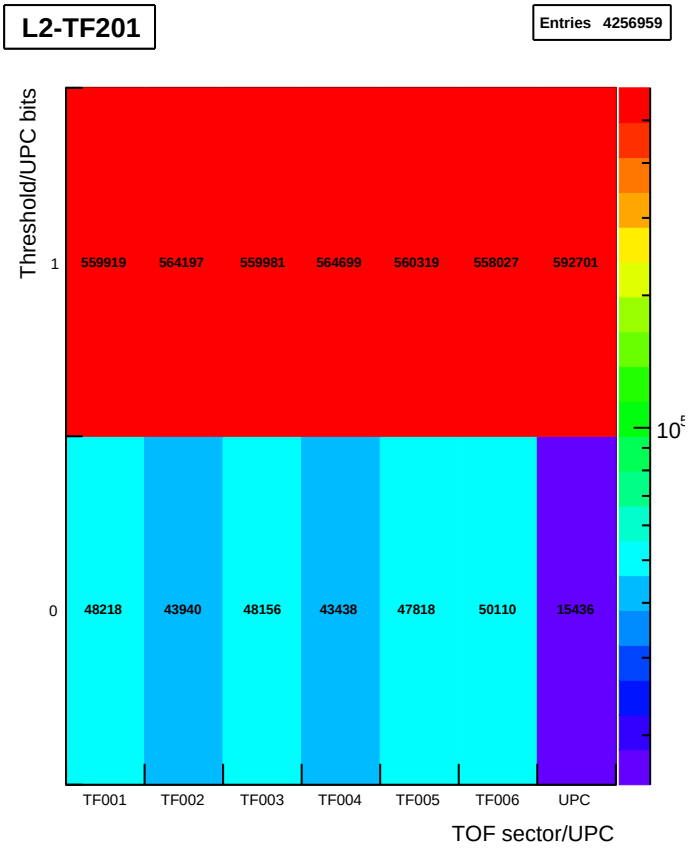

MIX-TF101
Entries 185039
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

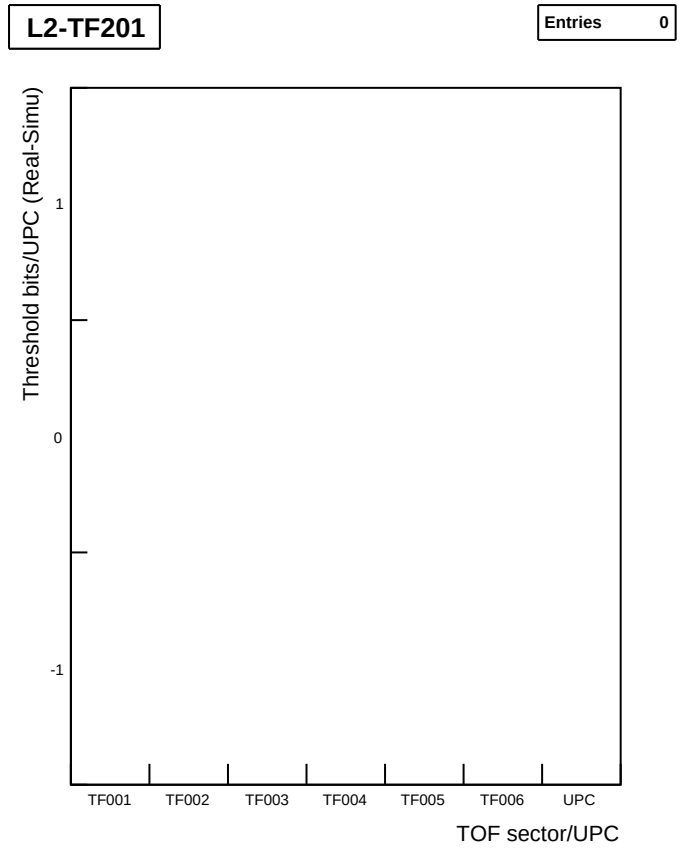

MIX-TF101
Entries 3648822
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

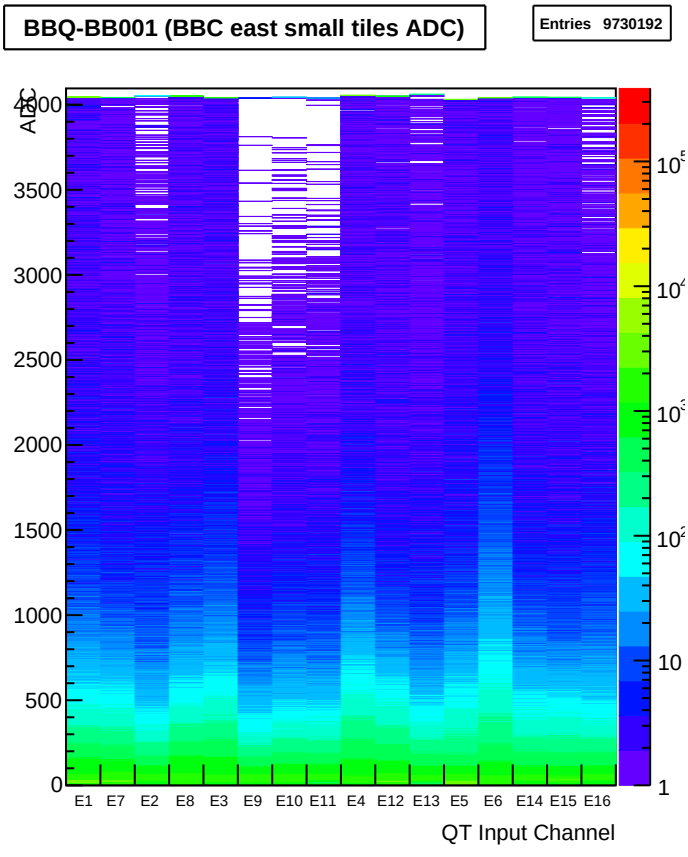

MIX-TF101
Entries 412816
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

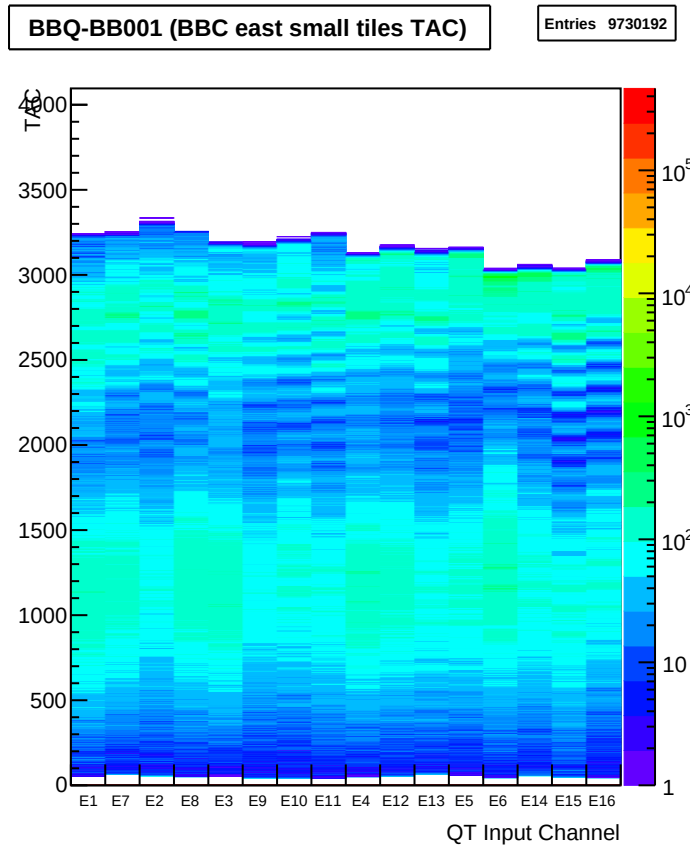

L2-TF201
Entries 608137
TOF total mult

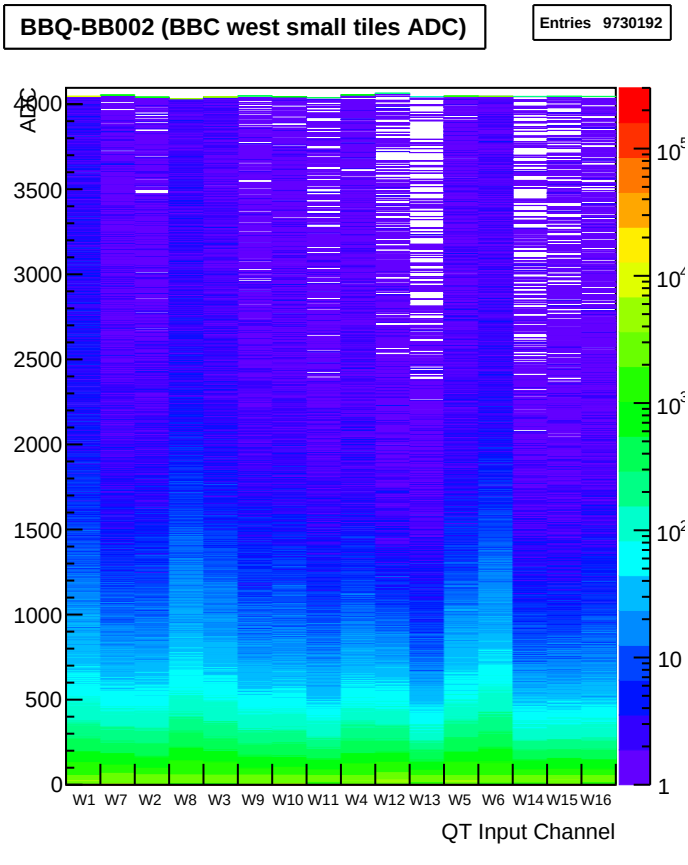

L2-TF201
Entries 0
TOF total mult(Real-Simu)

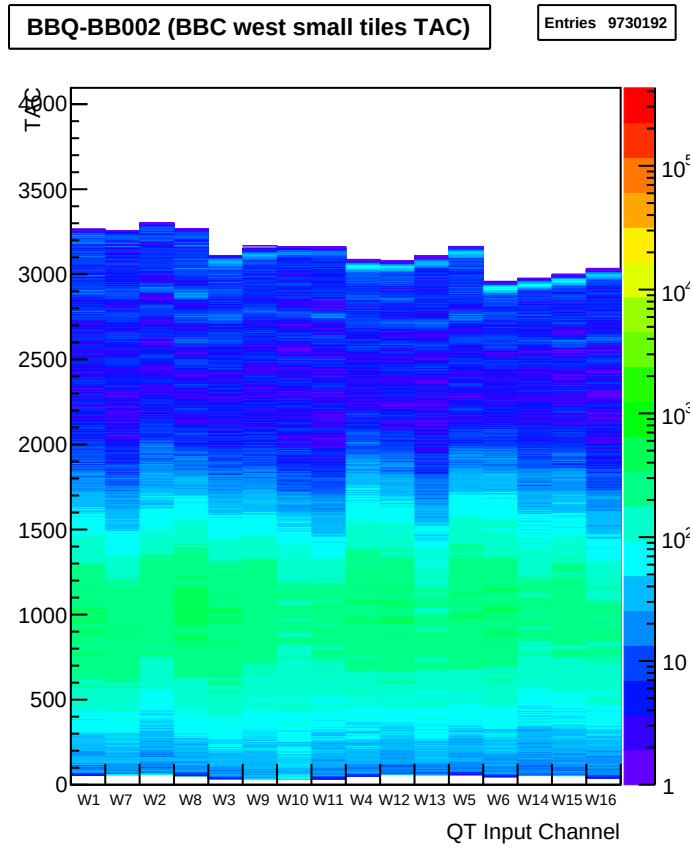

L2-TF201
Entries 4256959
Threshold/UPC bits
559919
564197
559981
564699
560319
558027
592701
48218
43940
48156
43438
47818
50110
15436
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

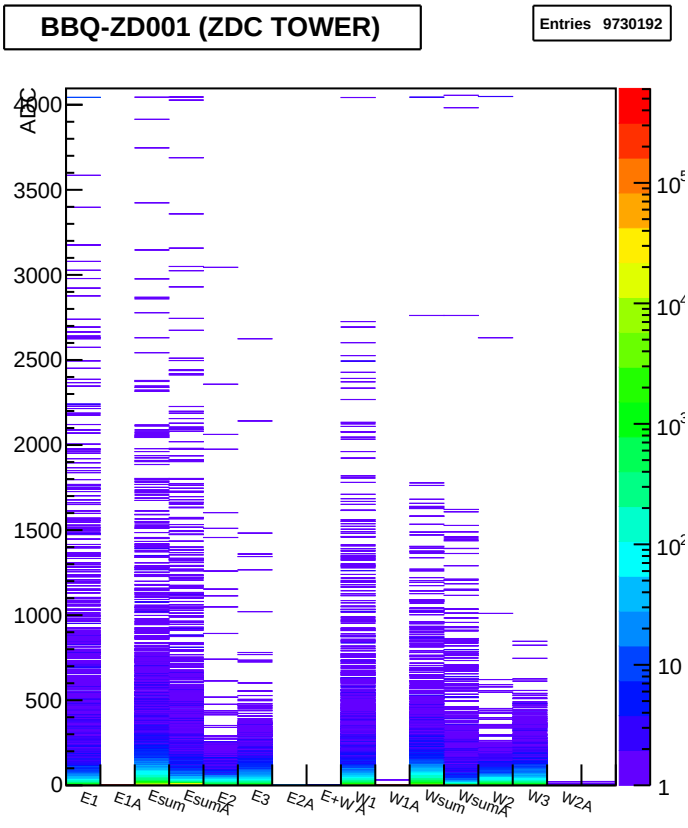

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

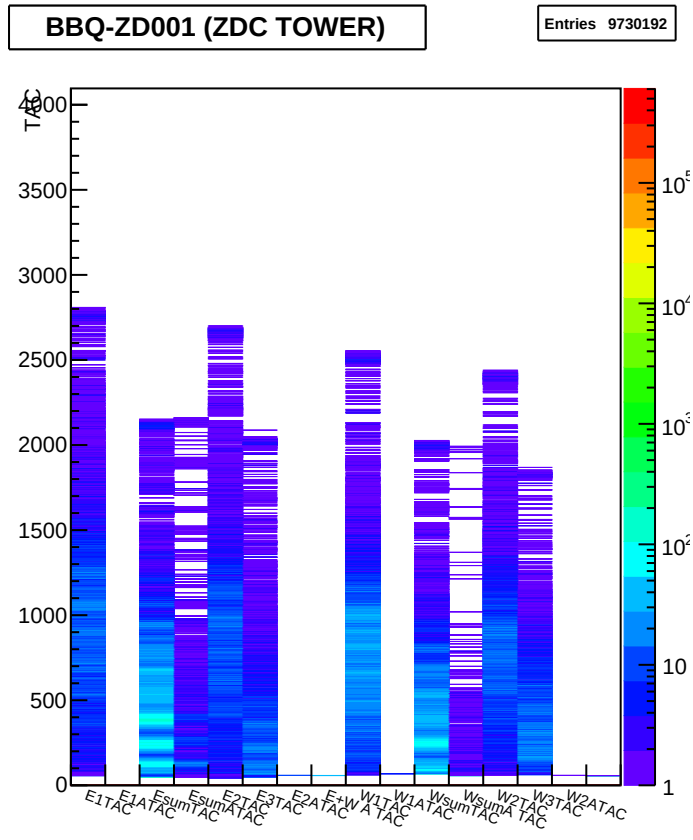

BBQ-BB001 (BBC east small tiles ADC)
Entries 9730192
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

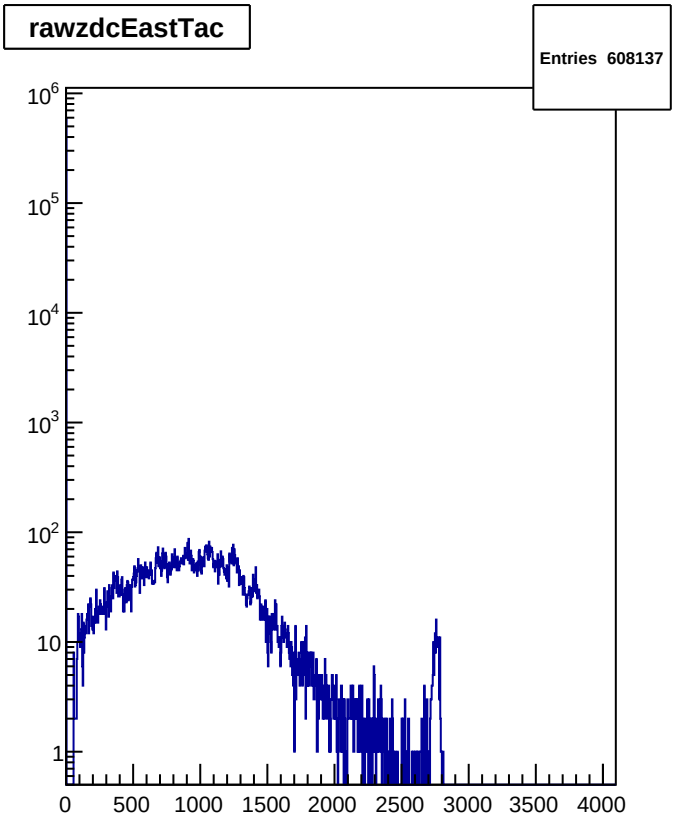

BBQ-BB001 (BBC east small tiles TAC)
Entries 9730192
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

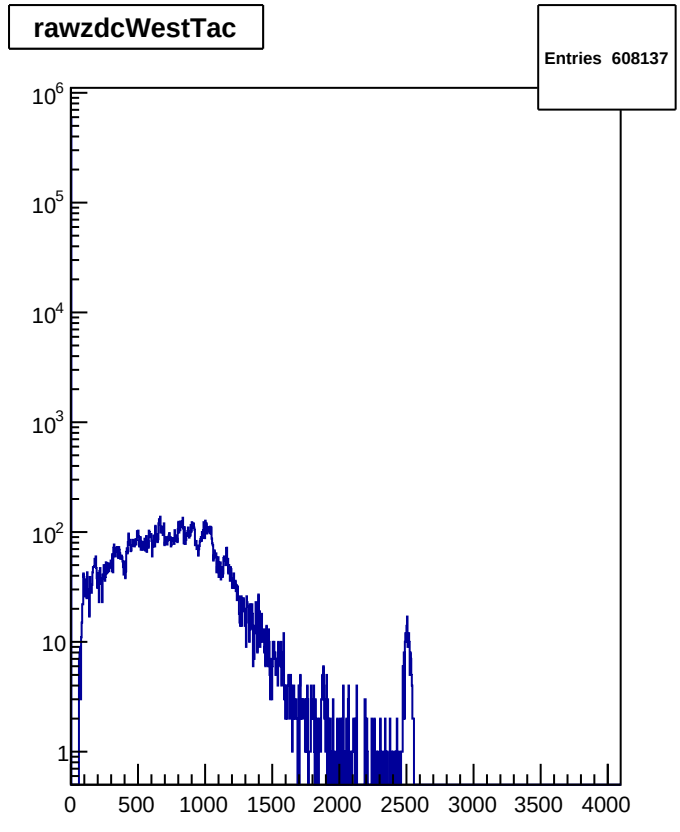

BBQ-BB002 (BBC west small tiles ADC)
Entries 9730192
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

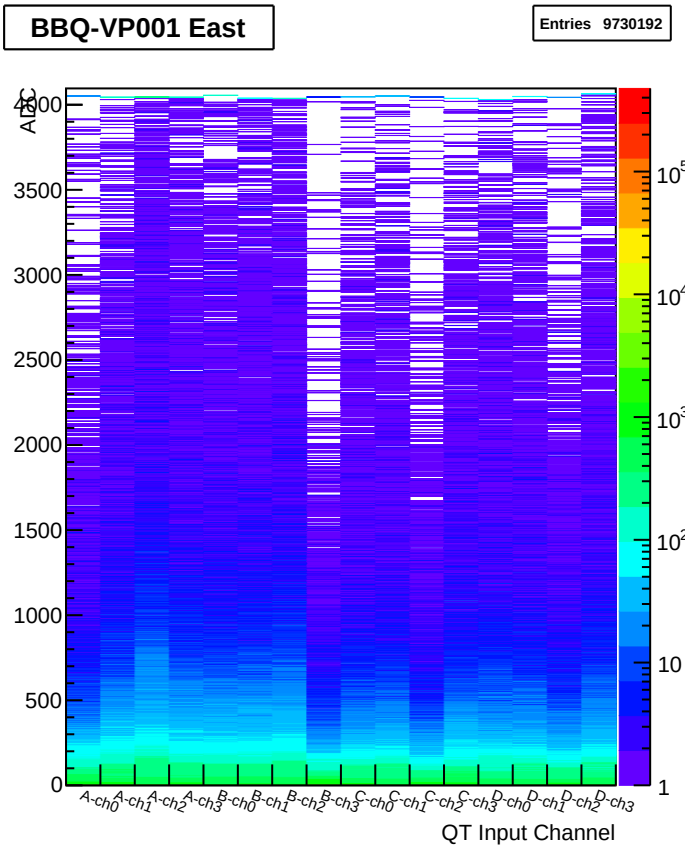

BBQ-BB002 (BBC west small tiles TAC)
Entries 9730192
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

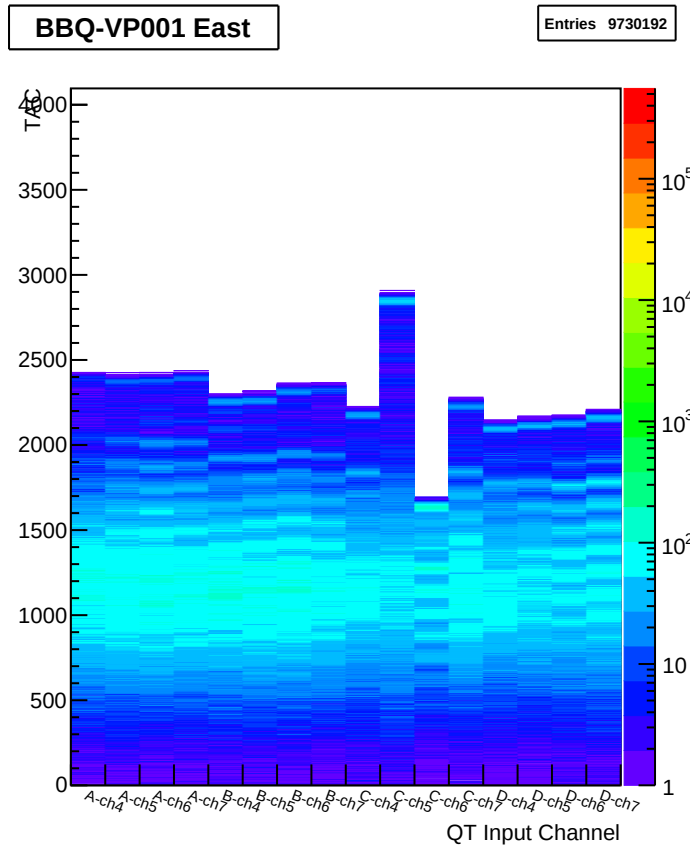

BBQ-ZD001 (ZDC TOWER)
Entries 9730192
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

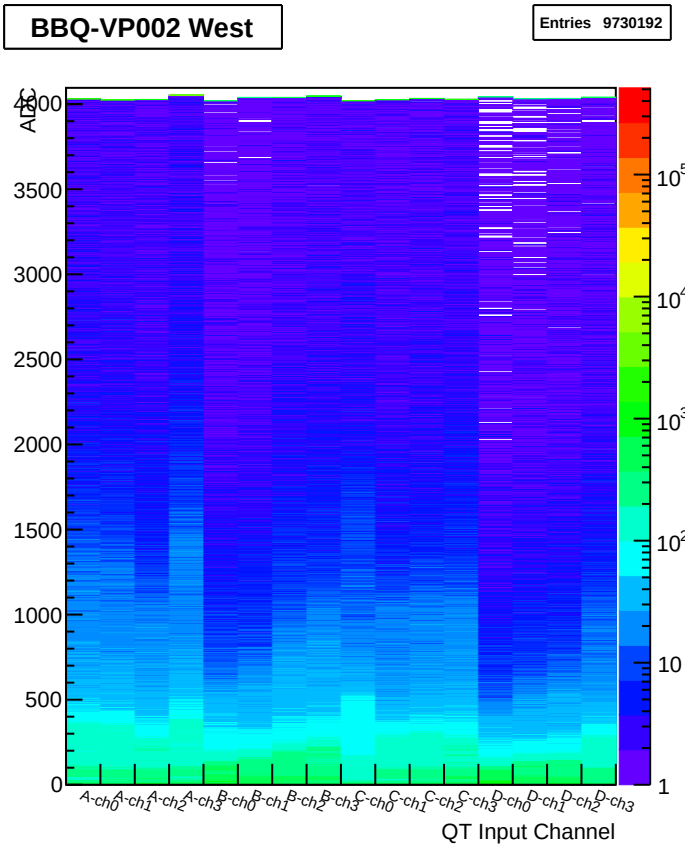

BBQ-ZD001 (ZDC TOWER)
Entries 9730192
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

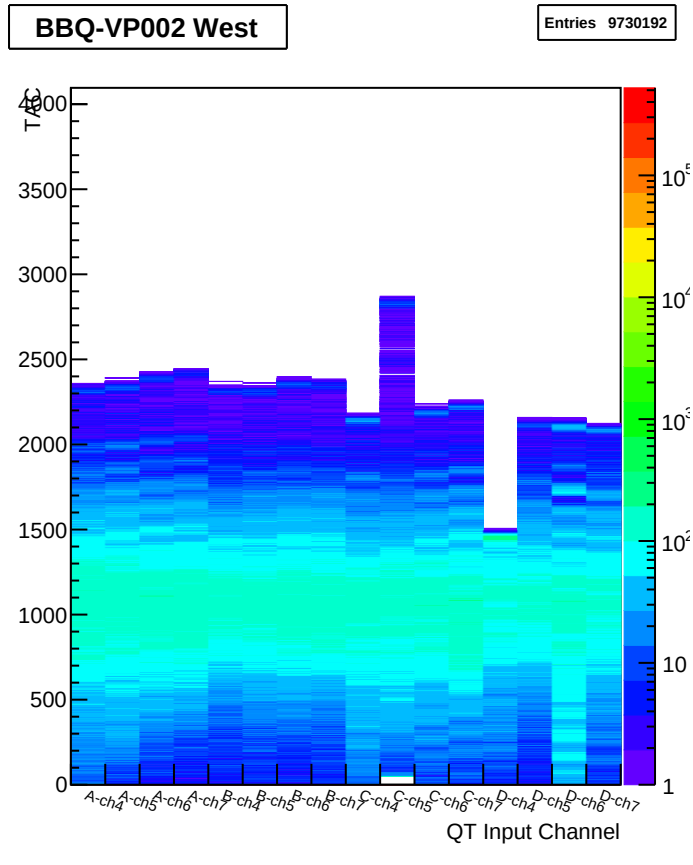

rawzdcEastTac
Entries 608137

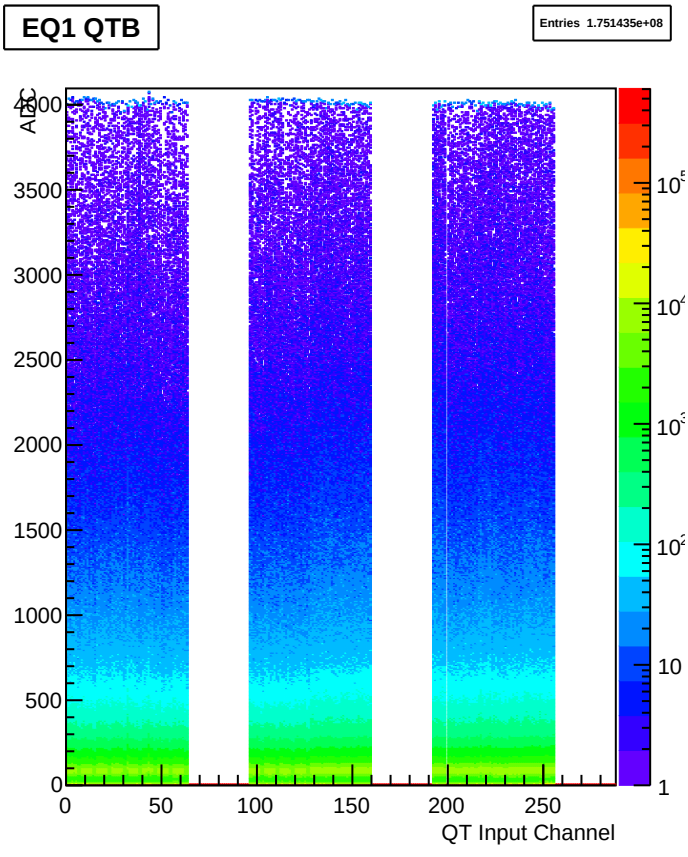

rawzdcWestTac
Entries 608137

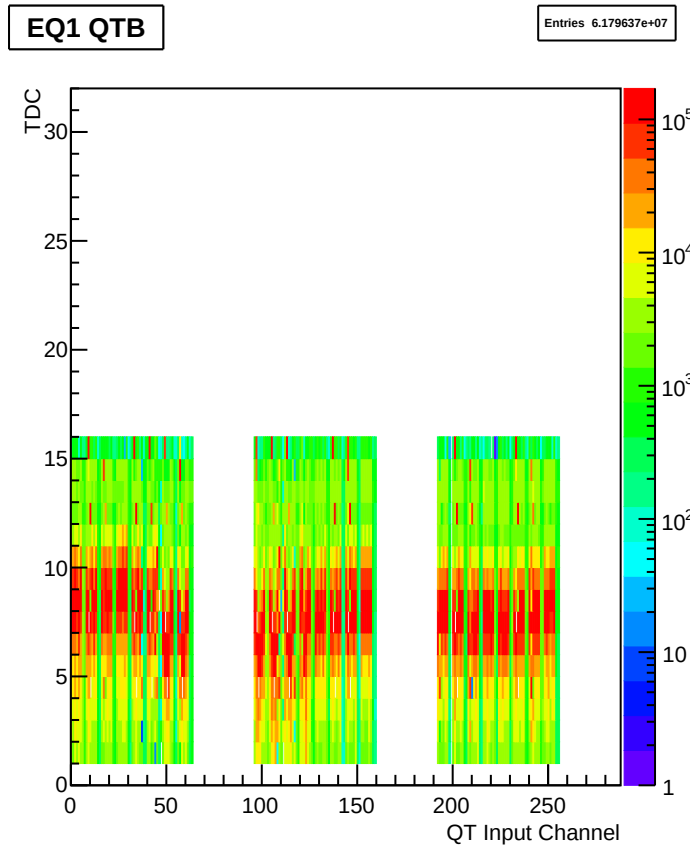

BBQ-VP001 East
Entries 9730192
ADC
QT Input Channel

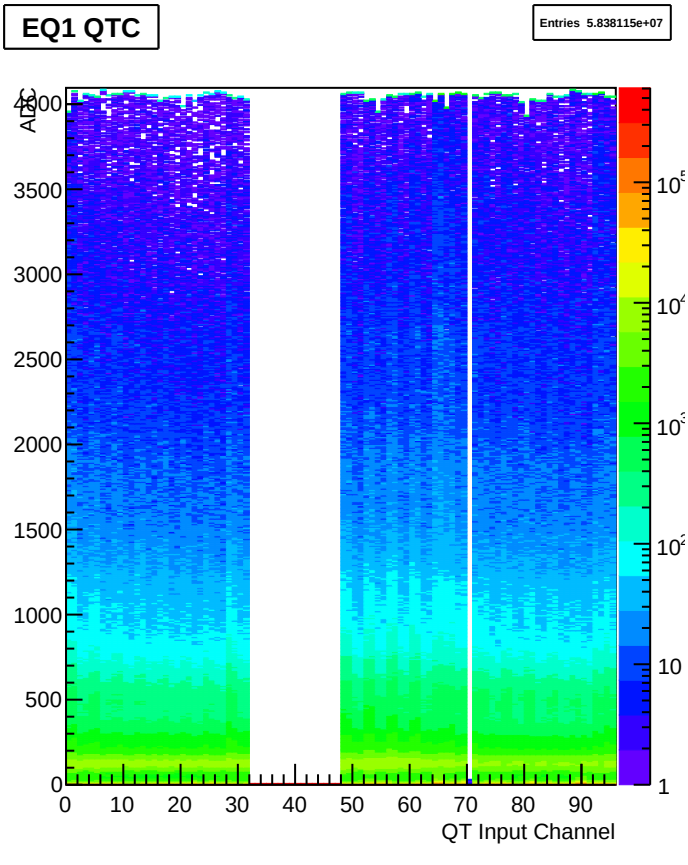

BBQ-VP001 East
Entries 9730192
ADC
QT Input Channel

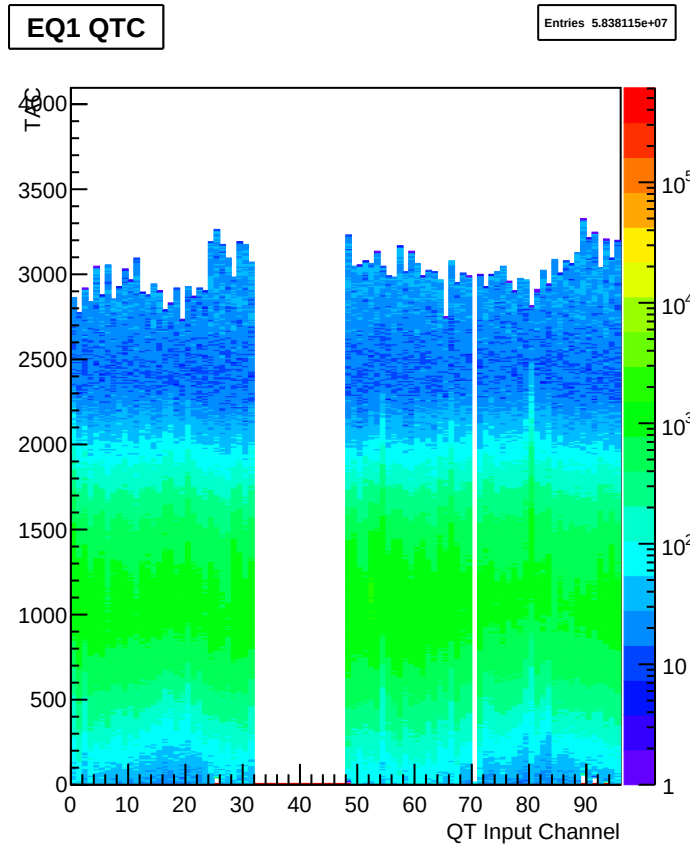

BBQ-VP002 West
Entries 9730192
ADC
QT Input Channel

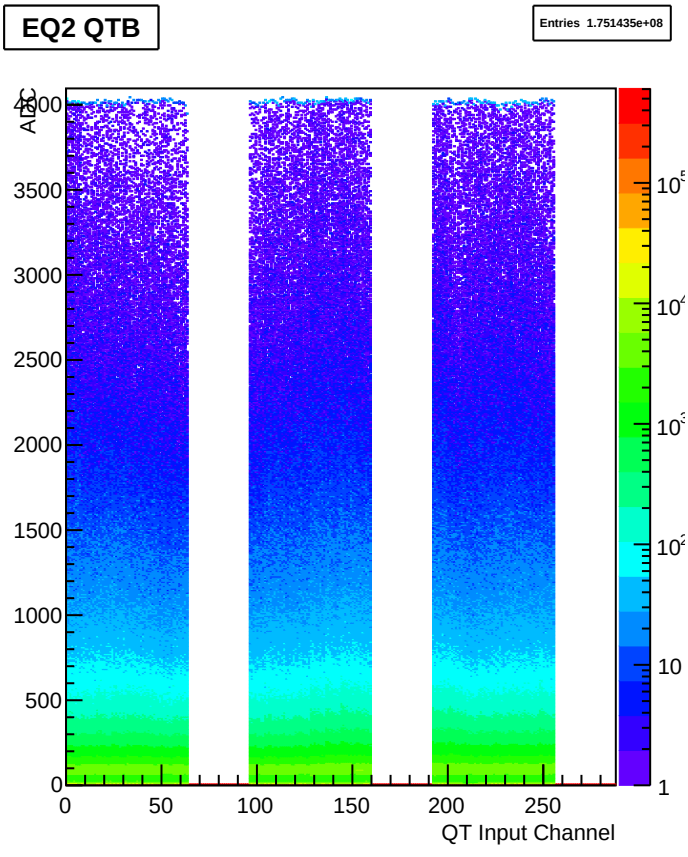

BBQ-VP002 West
Entries 9730192
ADC
QT Input Channel

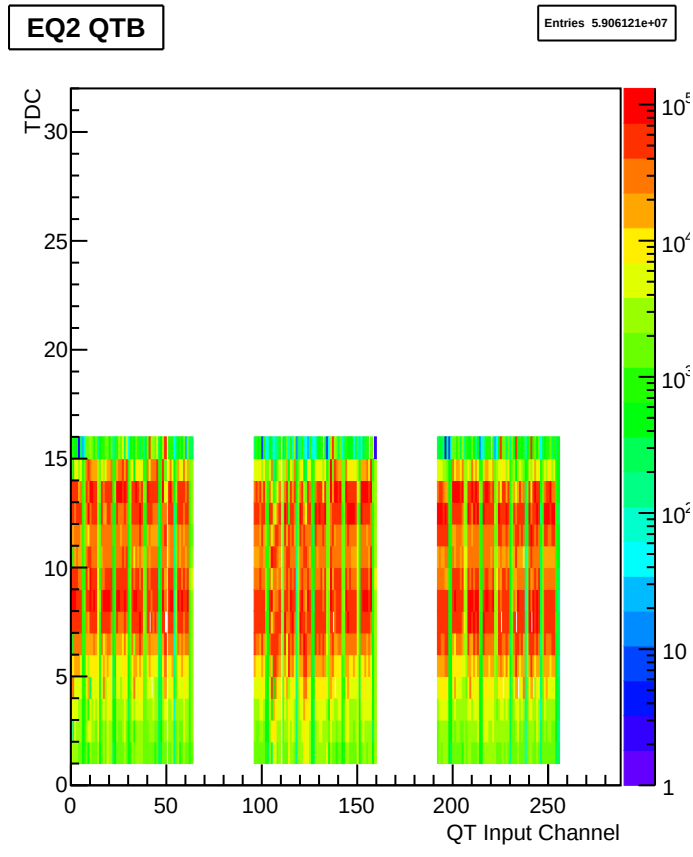

EQ1 QTB
Entries 1.751435e+08
ADC
QT Input Channel

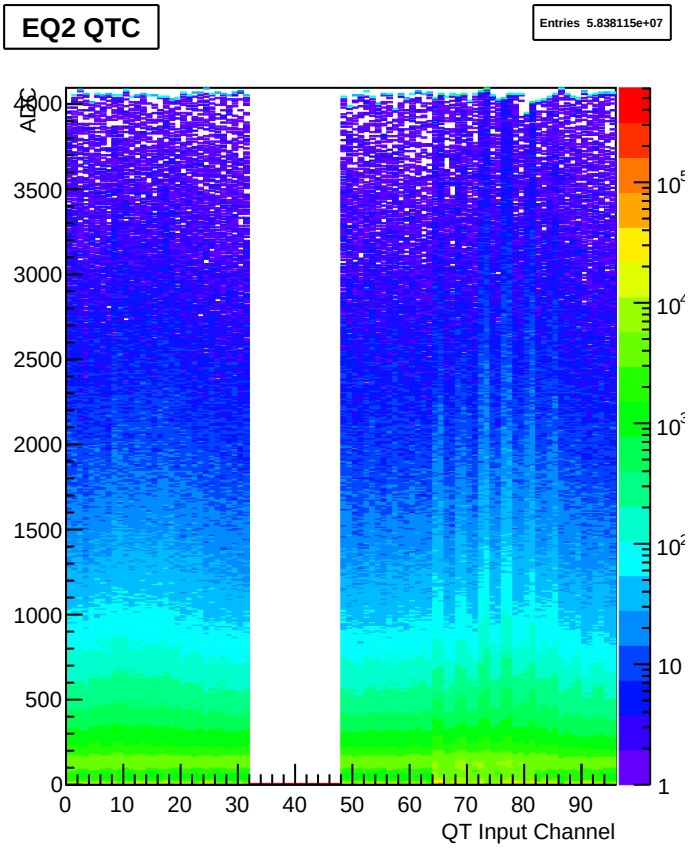

EQ1 QTB
Entries 6.179637e+07
TDC
QT Input Channel

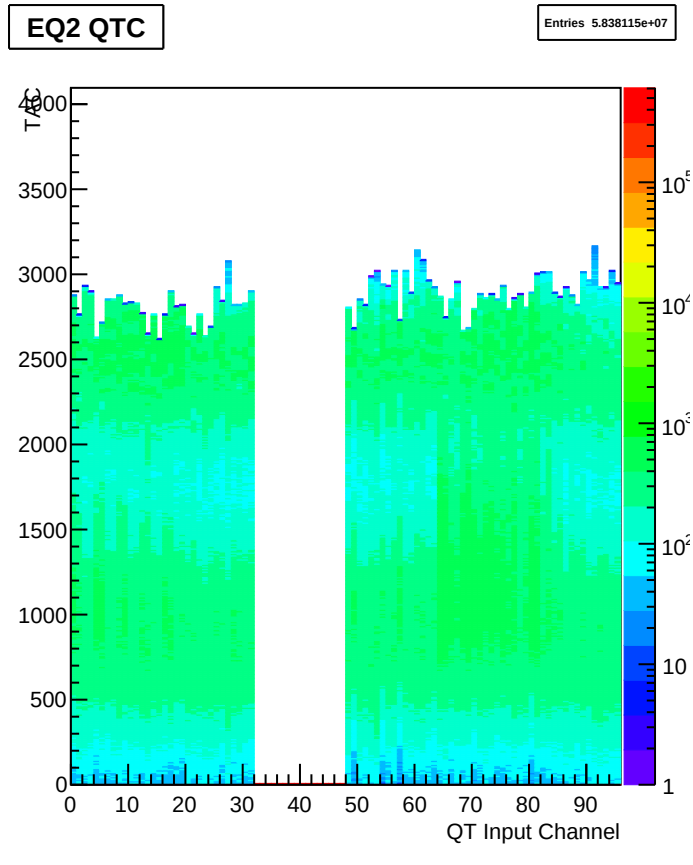

EQ1 QTC
Entries 5.838115e+07
ADC
QT Input Channel

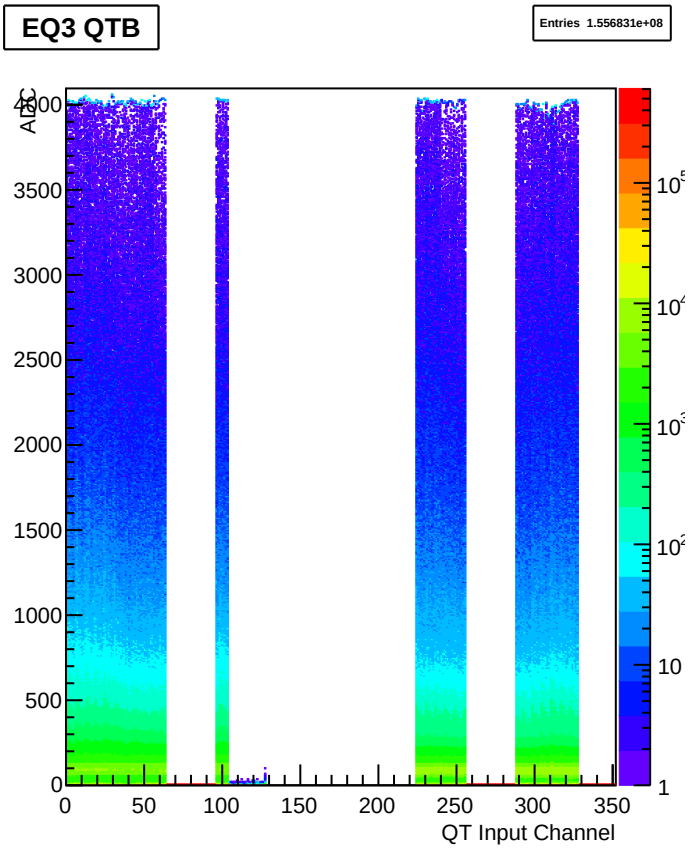

EQ1 QTC
Entries 5.838115e+07
TADC
QT Input Channel

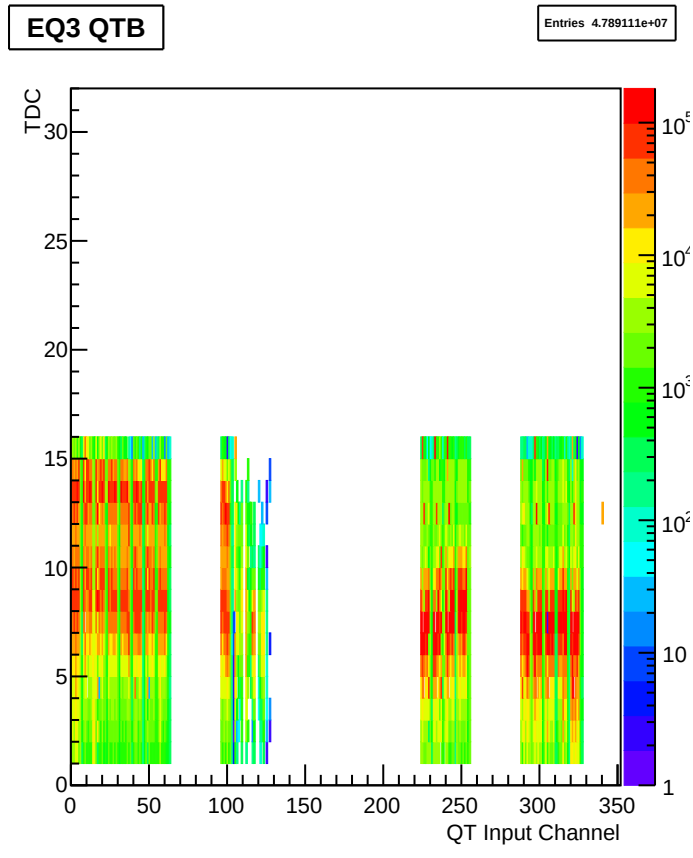

EQ2 QTB
Entries 1.751435e+08
ADC
QT Input Channel


EQ2 QTB
Entries 5.906121e+07
TDC
QT Input Channel


EQ2 QTC
Entries 5.838115e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.838115e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.556831e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.789111e+07
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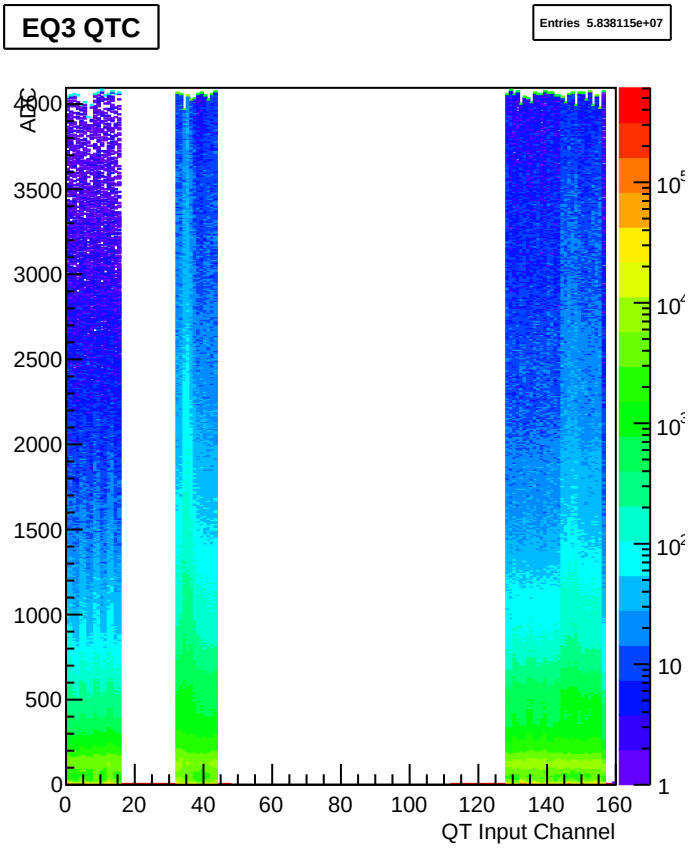
QT Input Channel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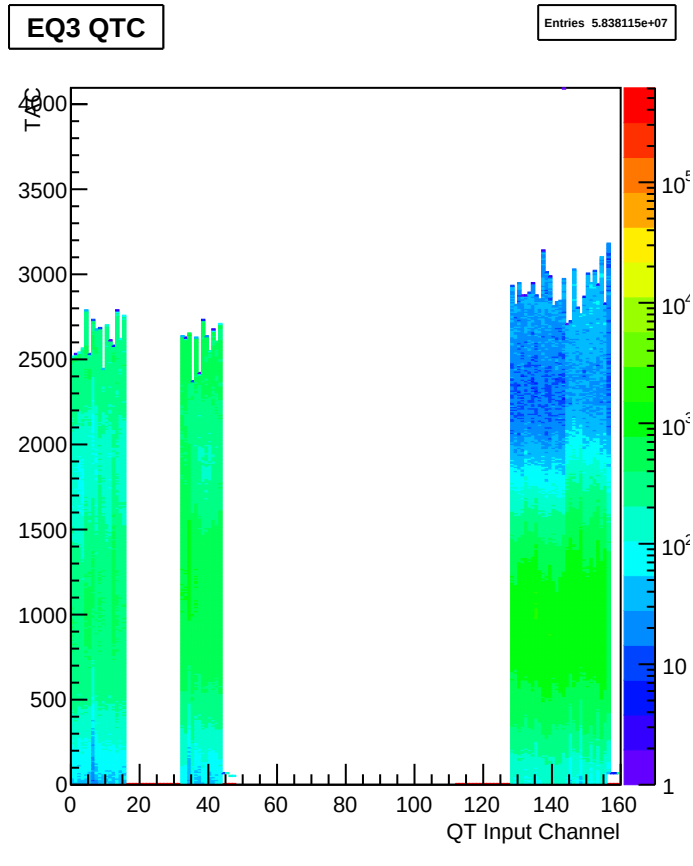
Entries 5.838115e+07
ADC
QT Input Channel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Entries 5.838115e+07
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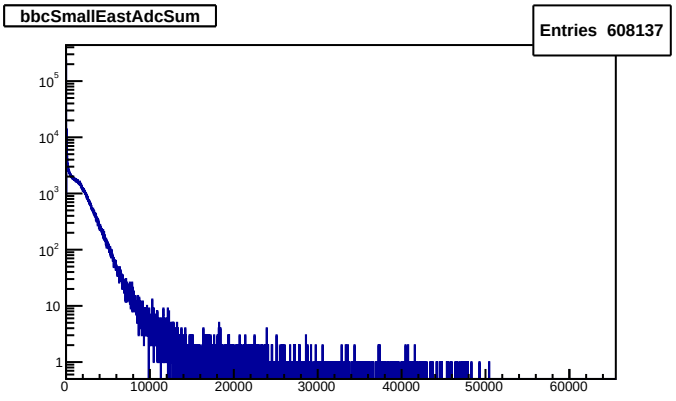
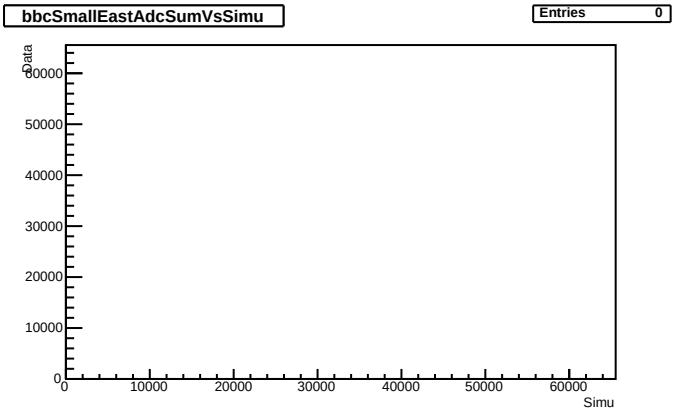
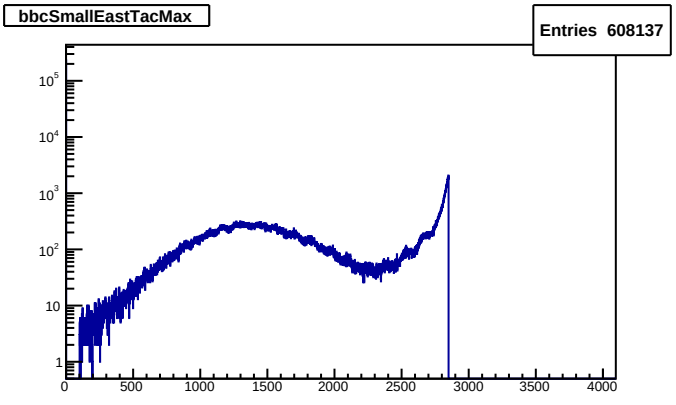
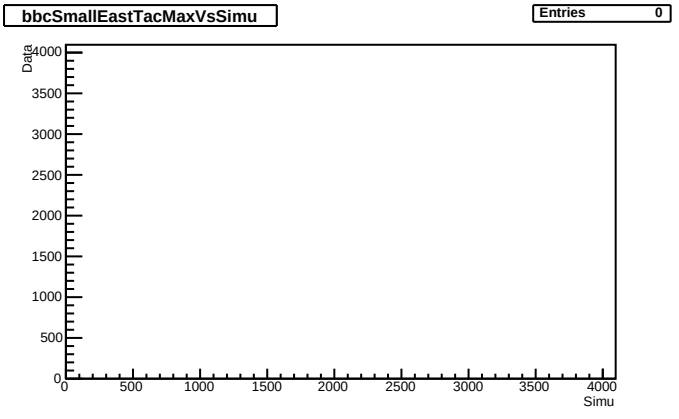
QT Input Channel


bbcSmallEastAdcSum
Entries 608137


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 608137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Entries 0
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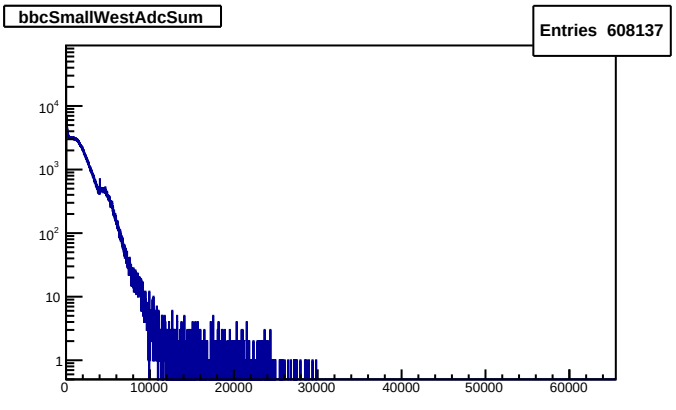
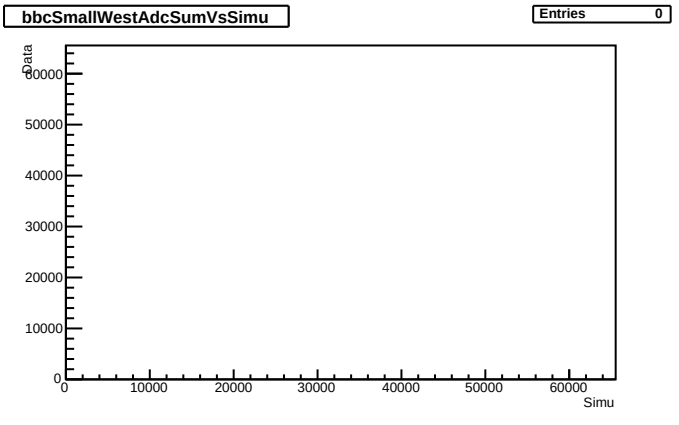

bbcSmallWestAdcSum
Entries 608137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Entries 0
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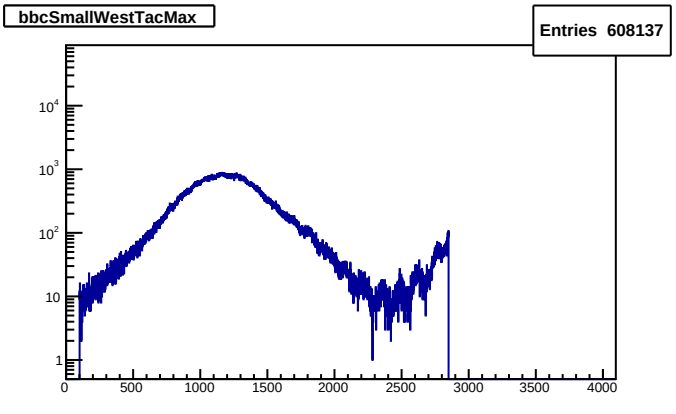
Simu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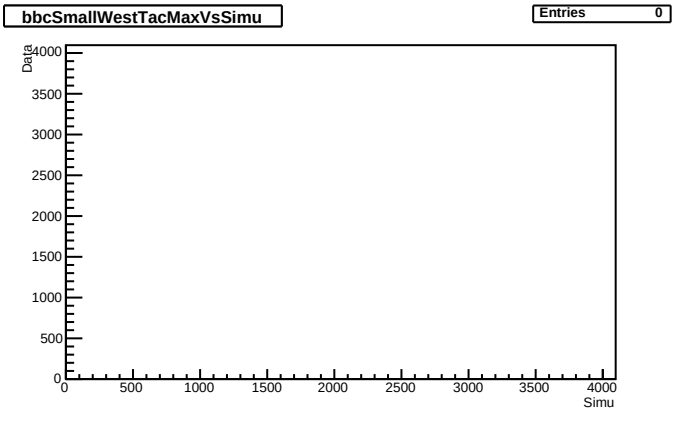
Entries 608137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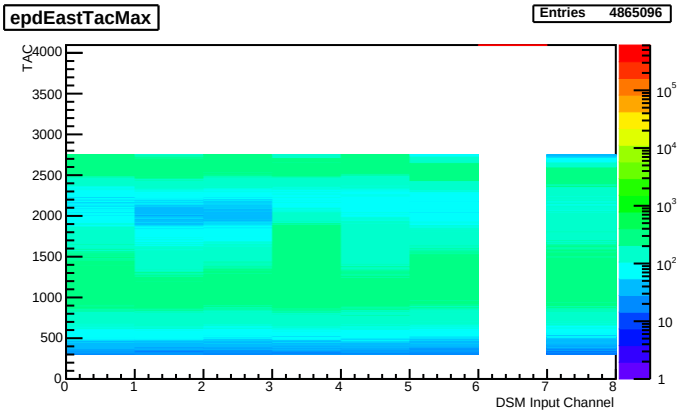
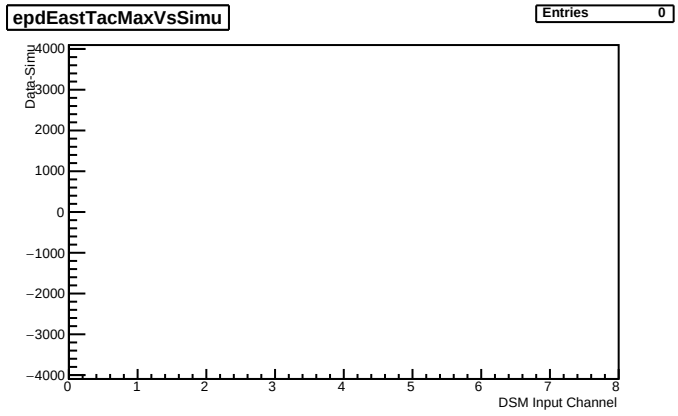
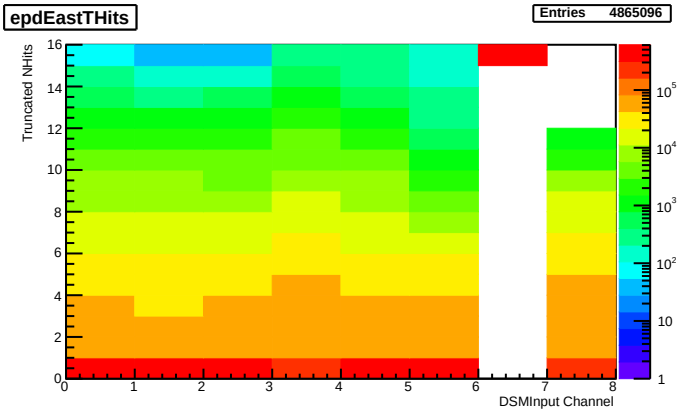
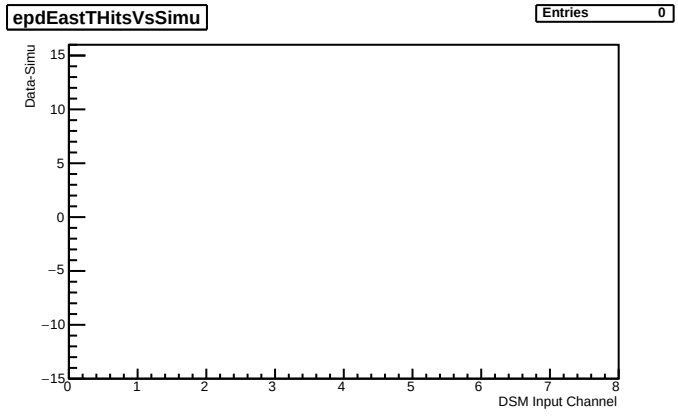
Entries 0
Data
Simu


epdEastTacMax
Entries 4865096
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4865096
Truncated NHits
DSMInput Channel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Entries 0
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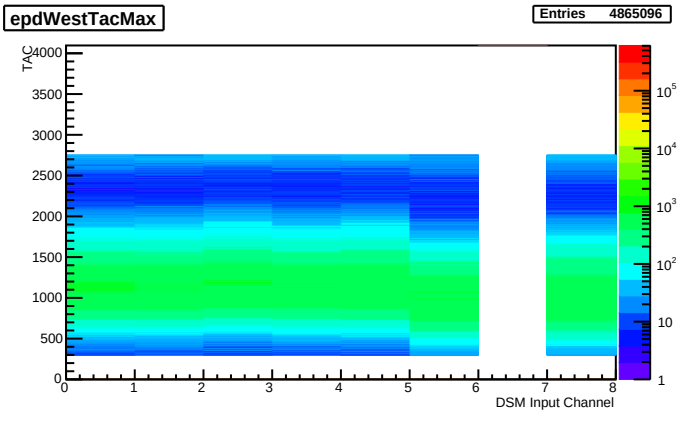
DSM Input Channel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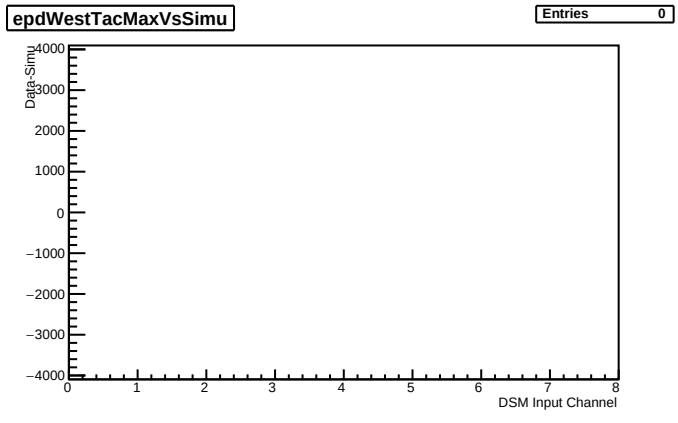
TAC
DSM Input Channel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Entries 0
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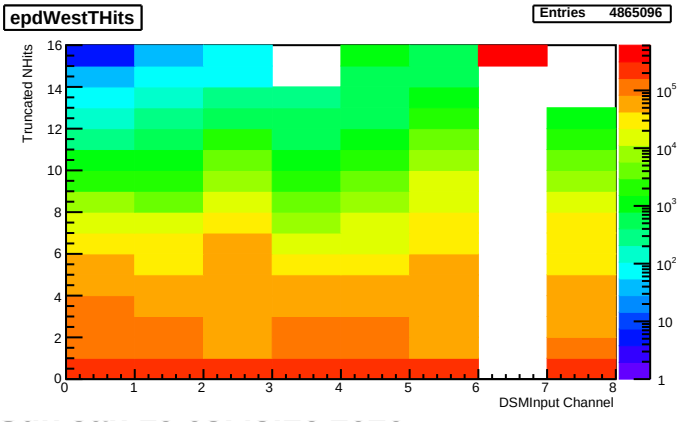
DSM Input Channel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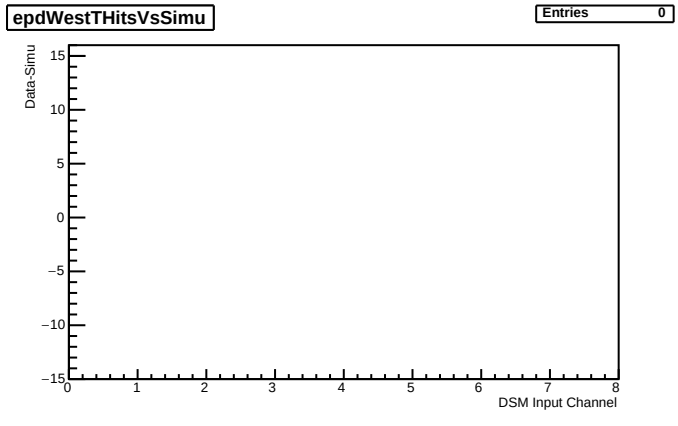
Entries 4865096
Truncated NHits
DSMInput Channel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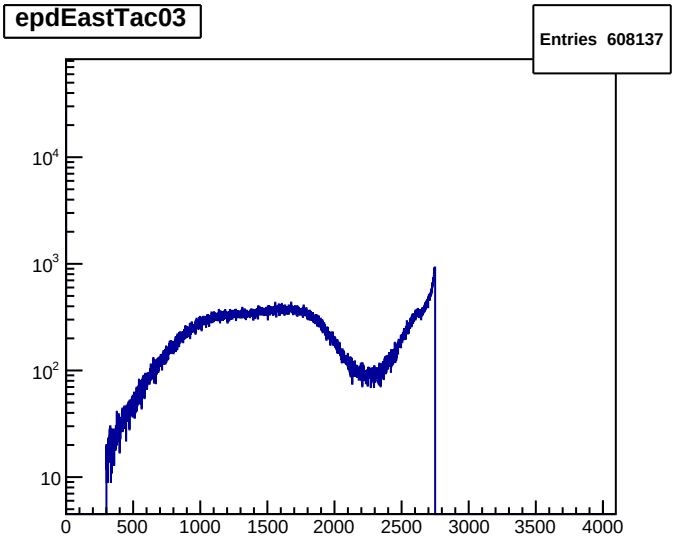
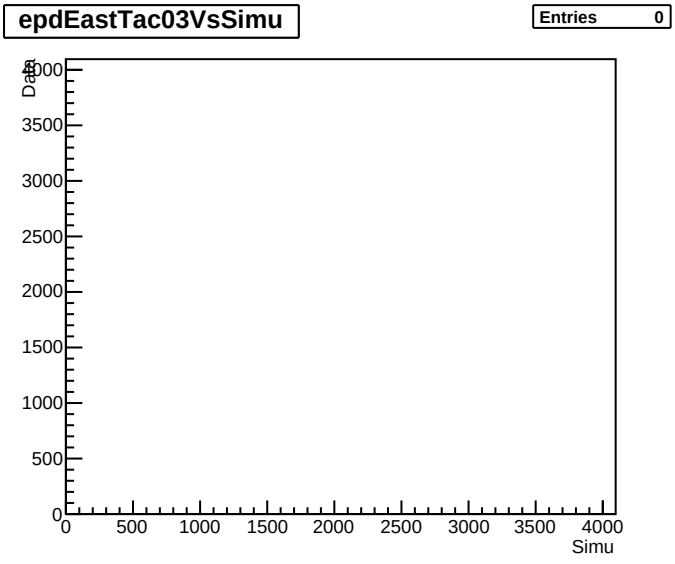
Data-Simu
DSM Input Channel


epdEastTac03
Entries 608137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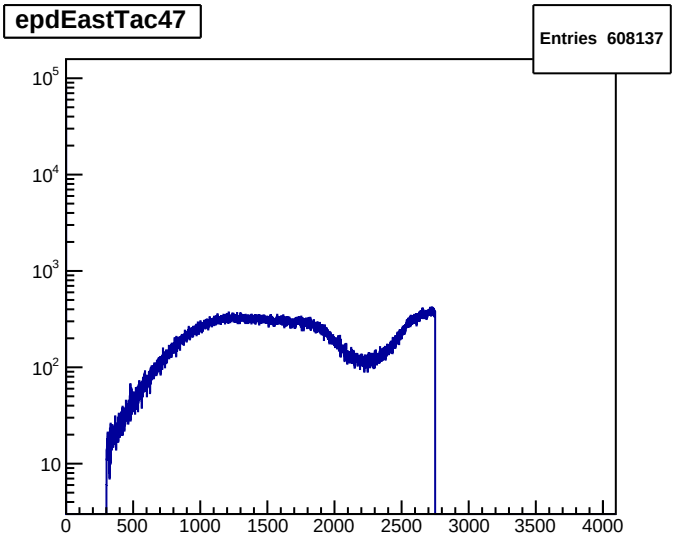
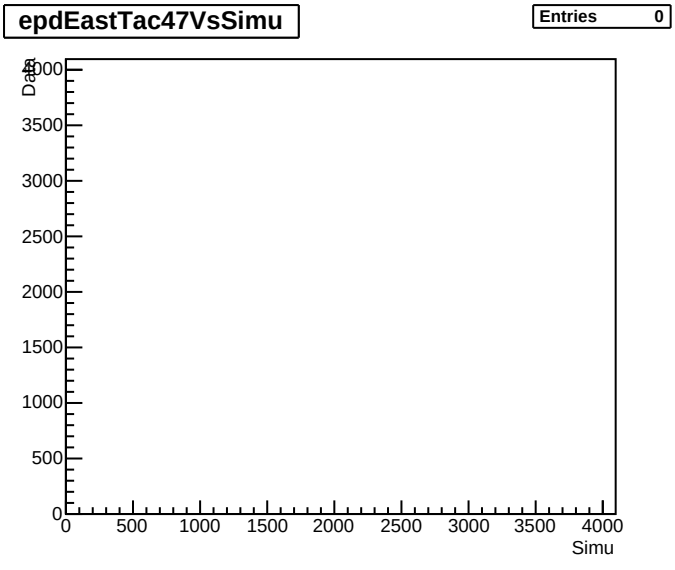
Entries 0
Data
Simu


epdEastTac47
Entries 608137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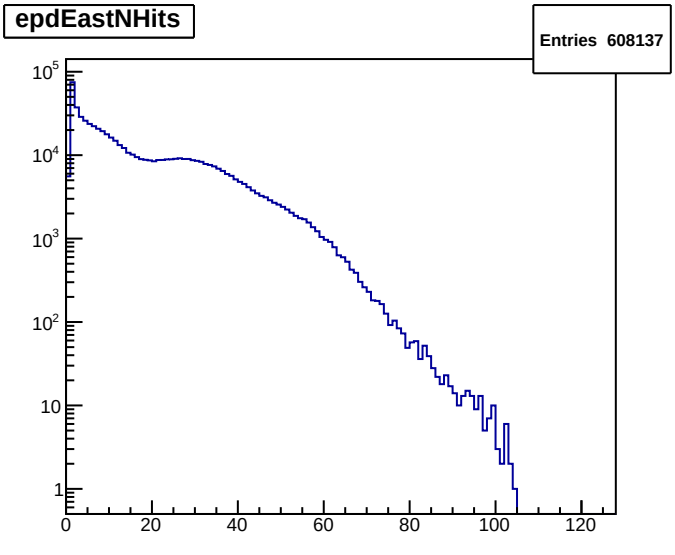
Entries 0
Data
Simu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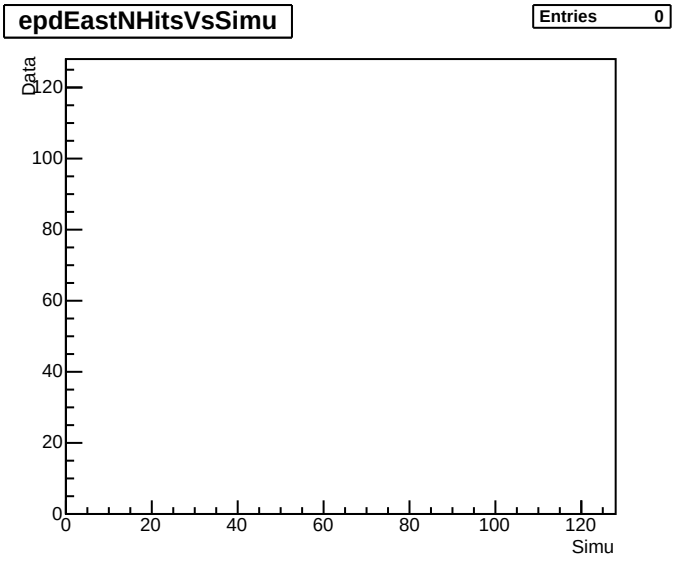
Entries 608137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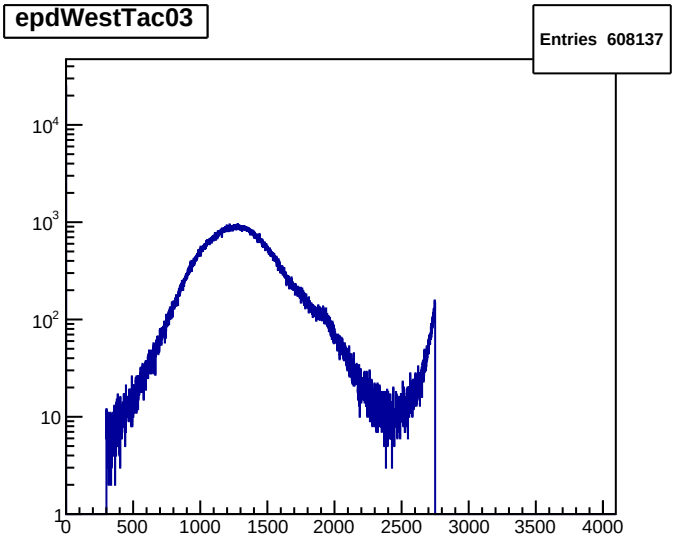
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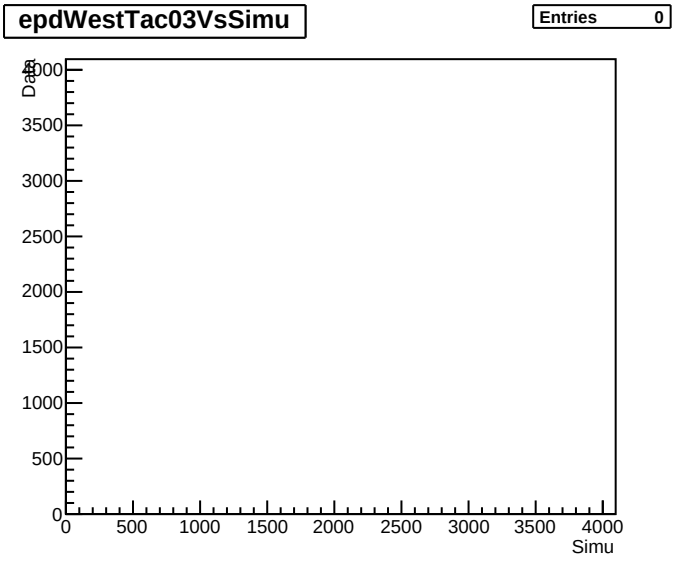
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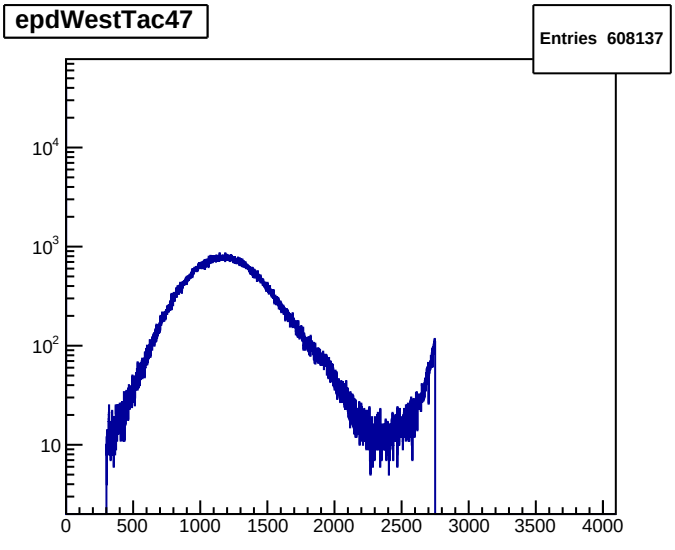
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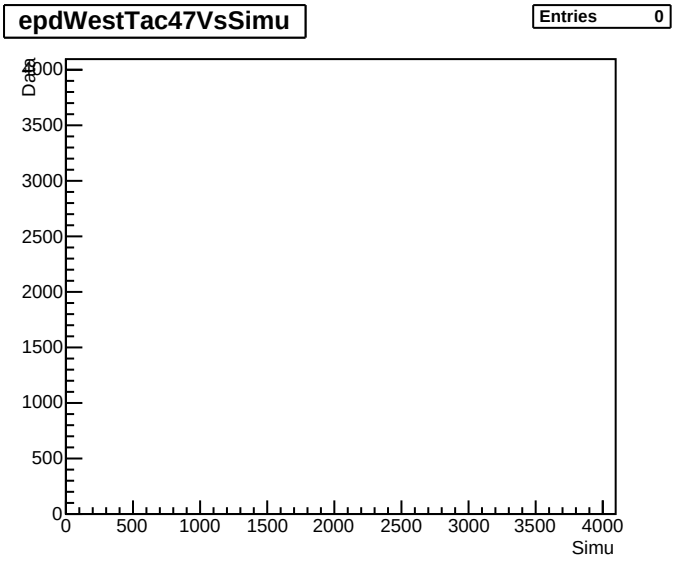
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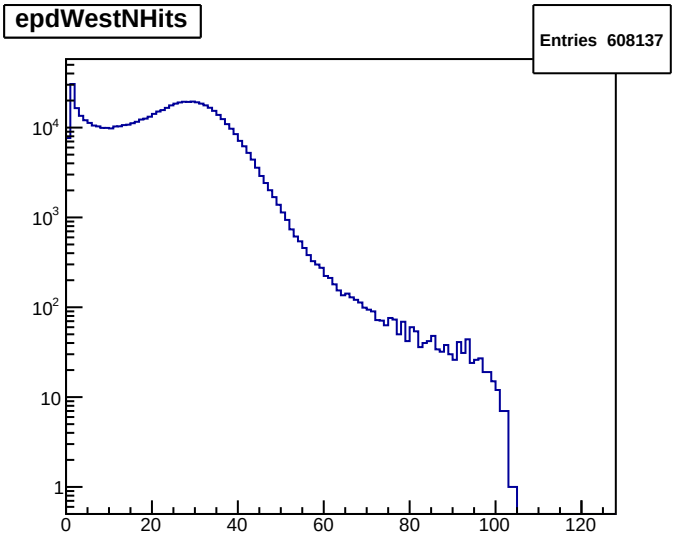
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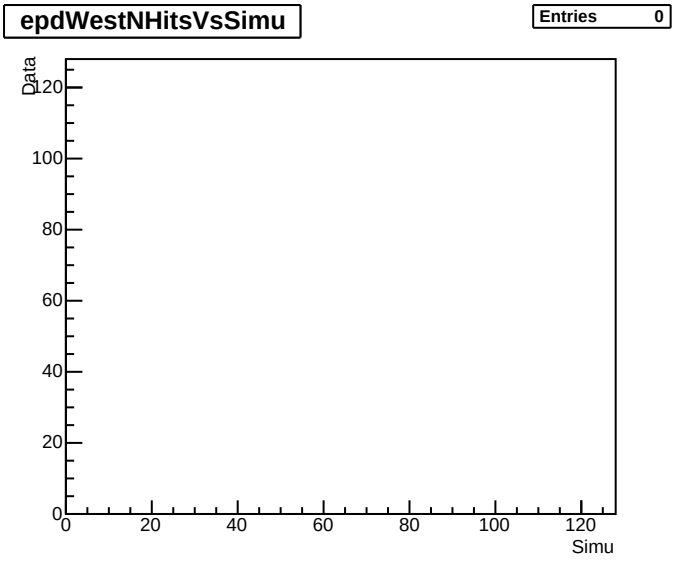
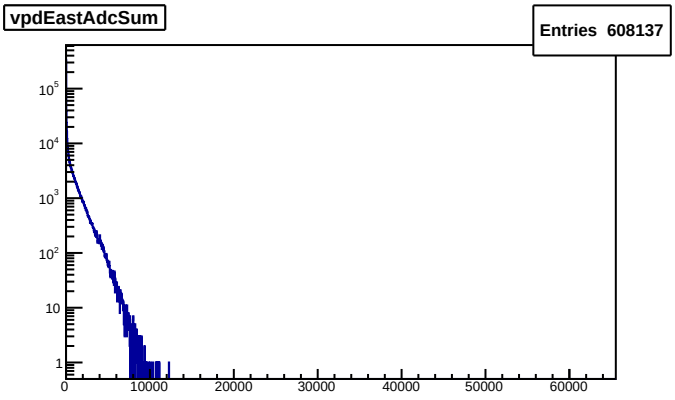
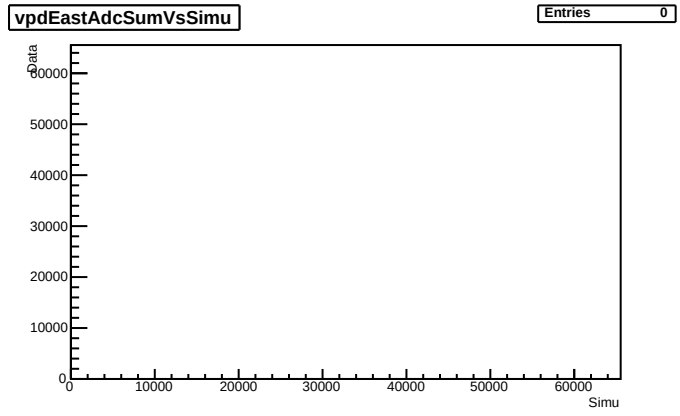
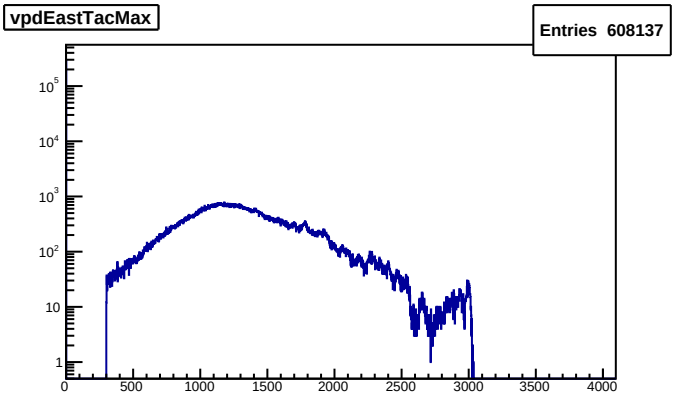
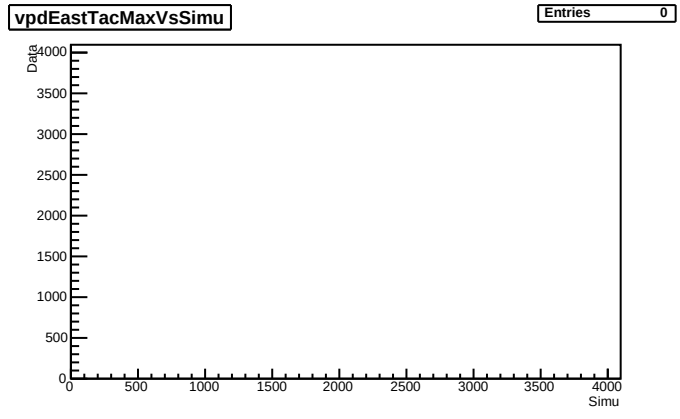
Entries 608137

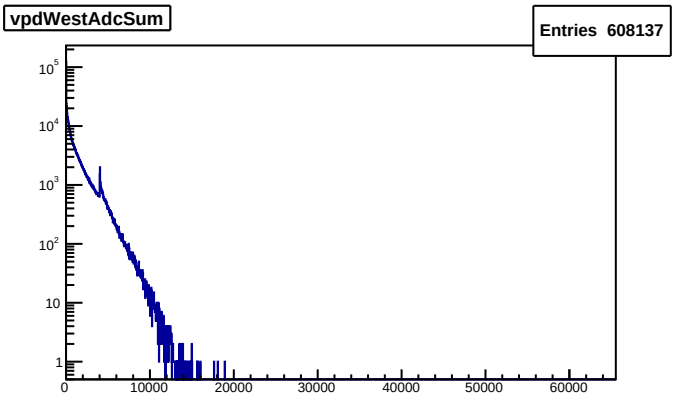

epdWestNHitsVsSimu
Entries 0
Data
Simu

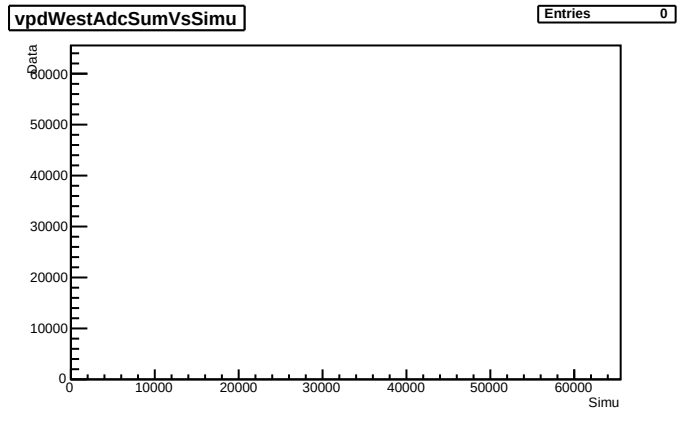

vpdEastAdcSum
Entries 608137


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 608137


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 608137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Entries 0
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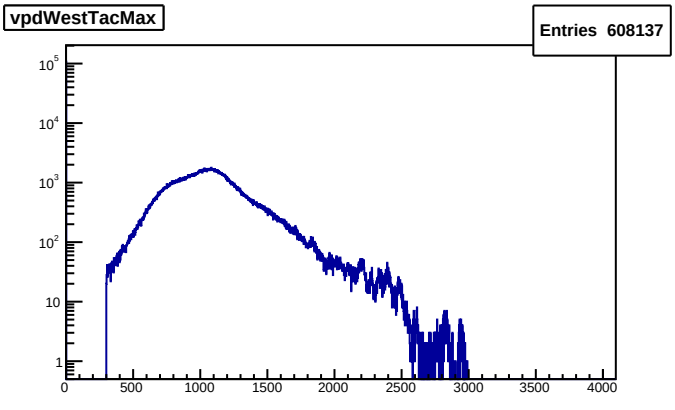
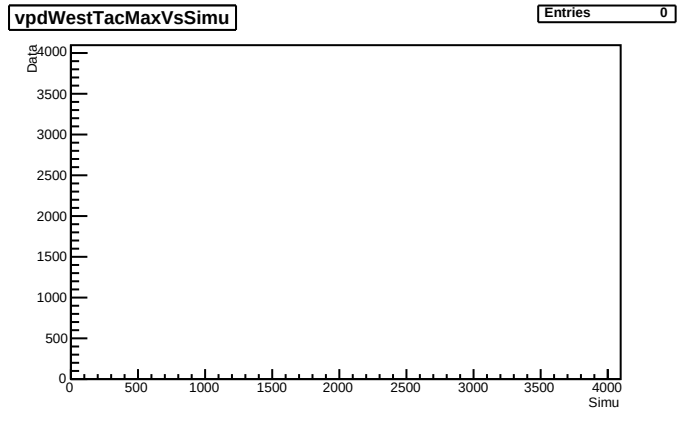
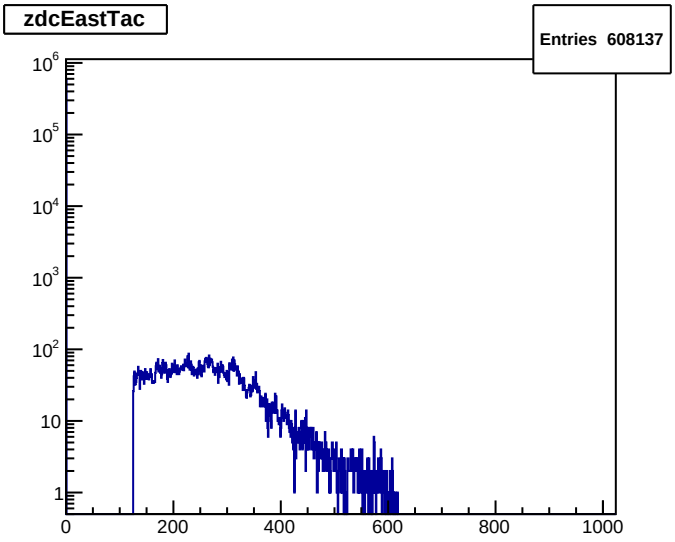
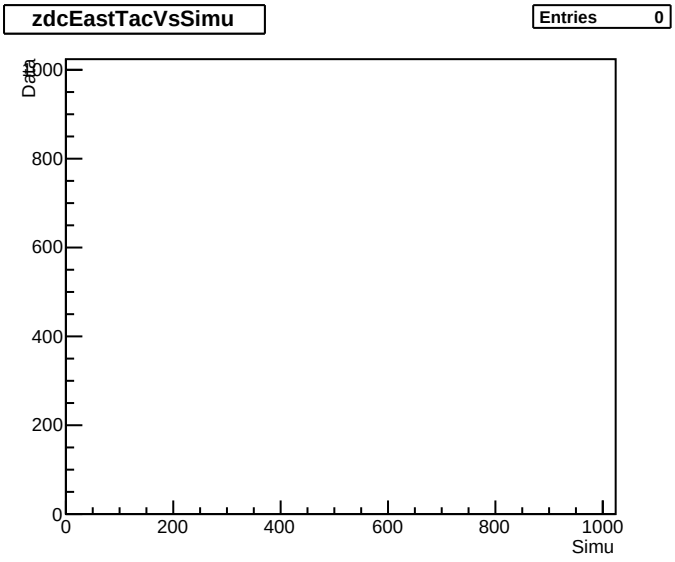
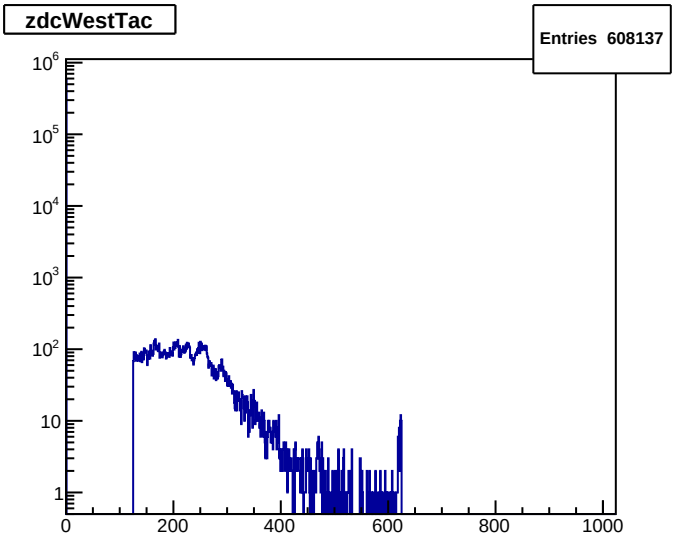
Simu

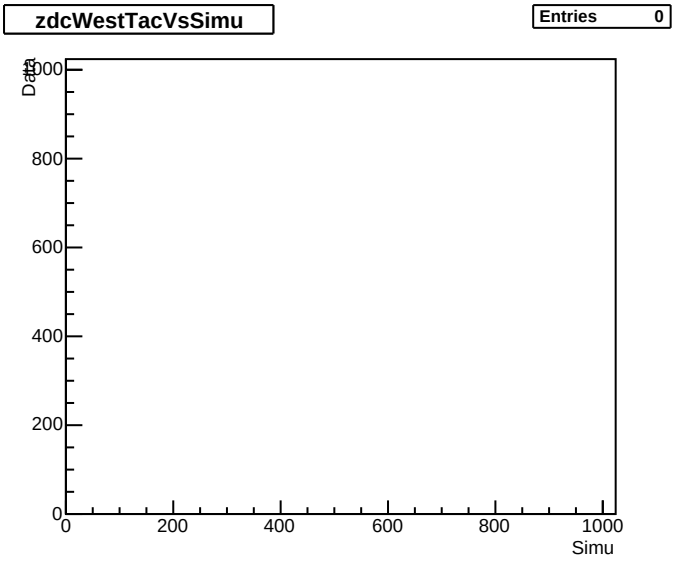

vpdWestTacMax
Entries 608137

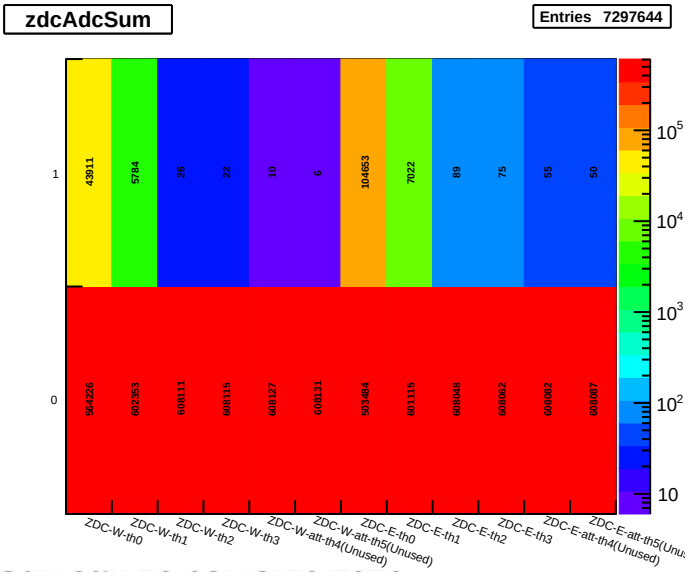

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 608137


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 608137


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 7297644
43911
5784
26
22
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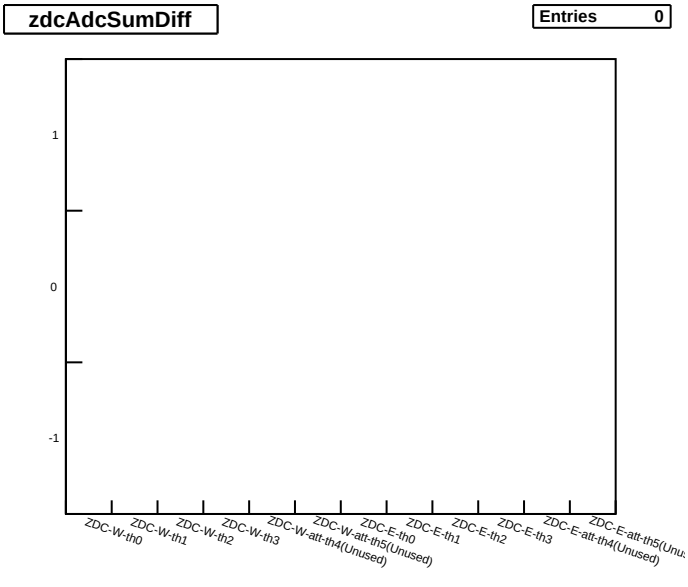
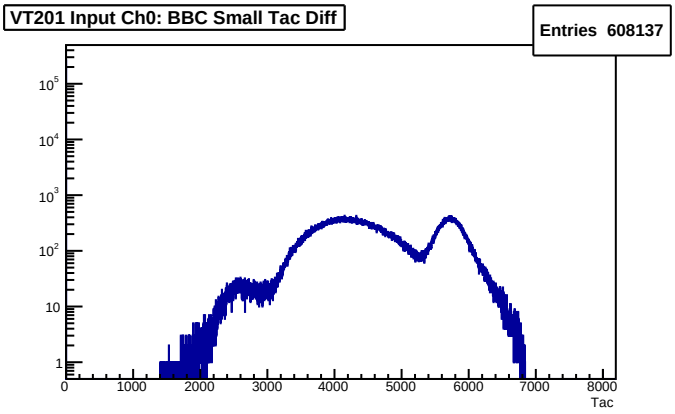
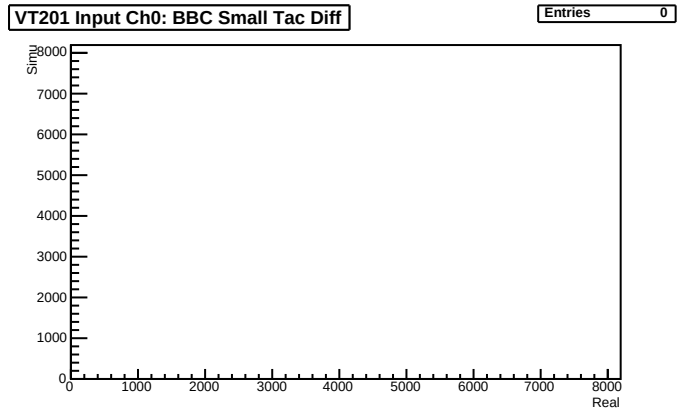
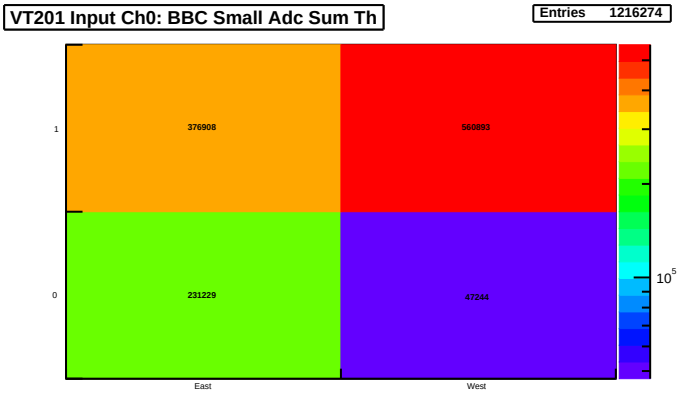
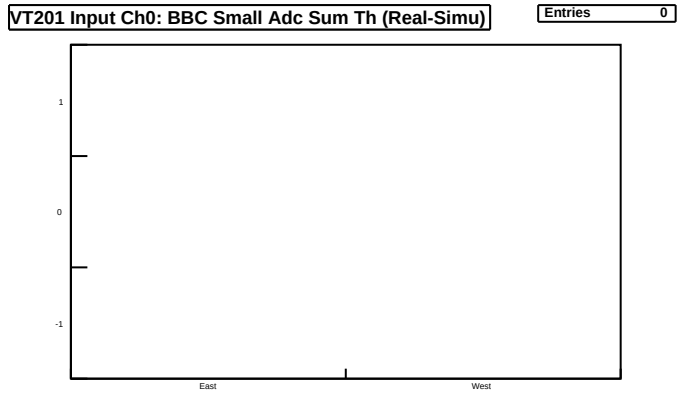
6
104653
7022
89
75
55
50
564226
602353
608111
608115
608127
608131
503484
601115
608049
608062
608082
608087
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

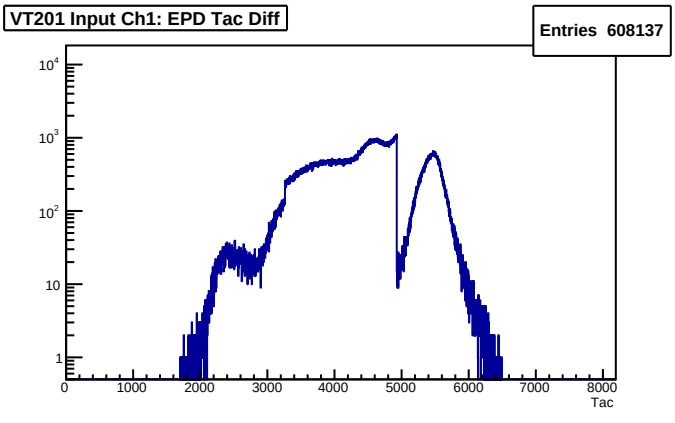

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

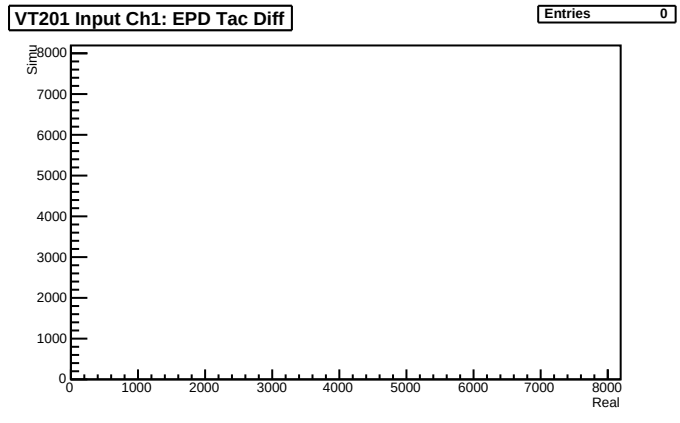

VT201 Input Ch0: BBC Small Tac Diff
Entries 608137
Tac

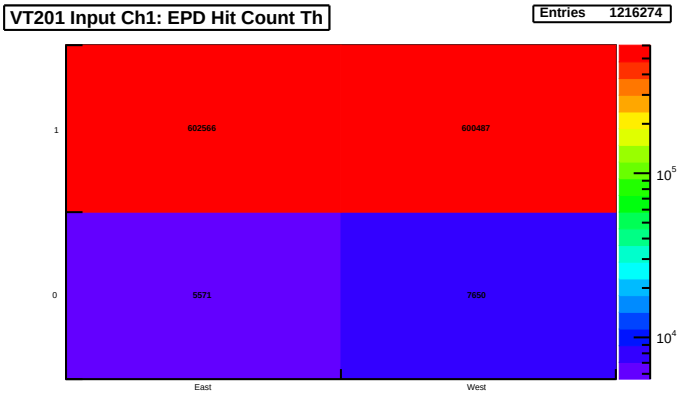

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

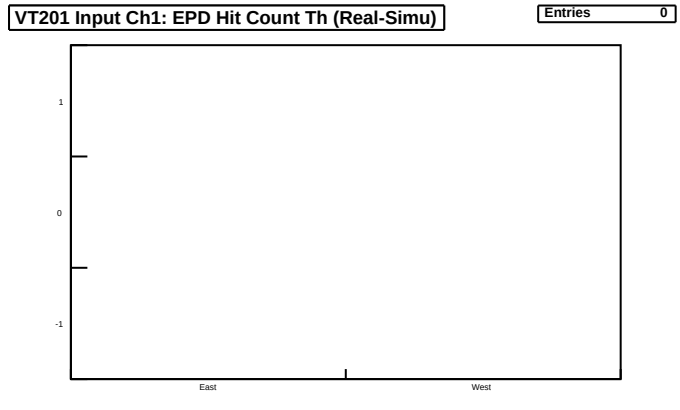

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1216274
376908
560893
231229
47244
East
West

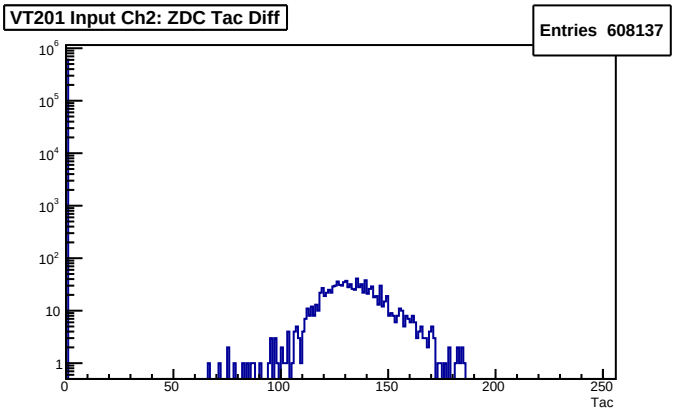

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

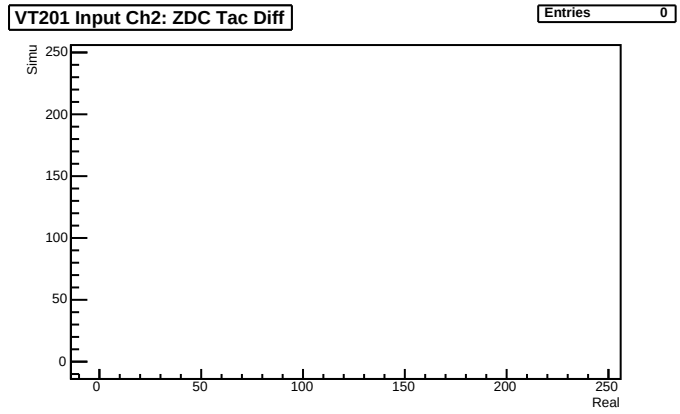

VT201 Input Ch1: EPD Tac Diff
Entries 608137
Tac

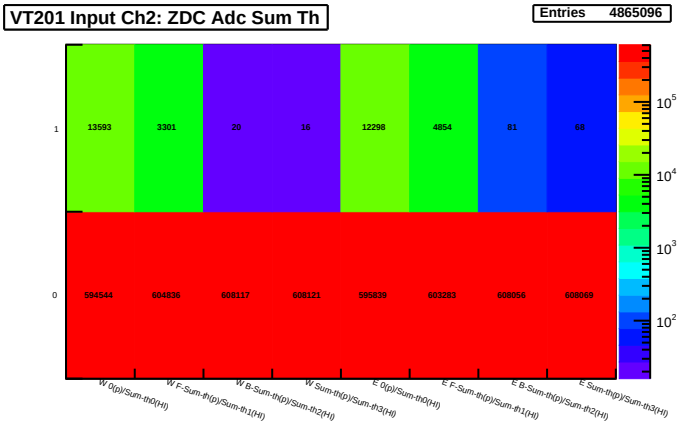

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

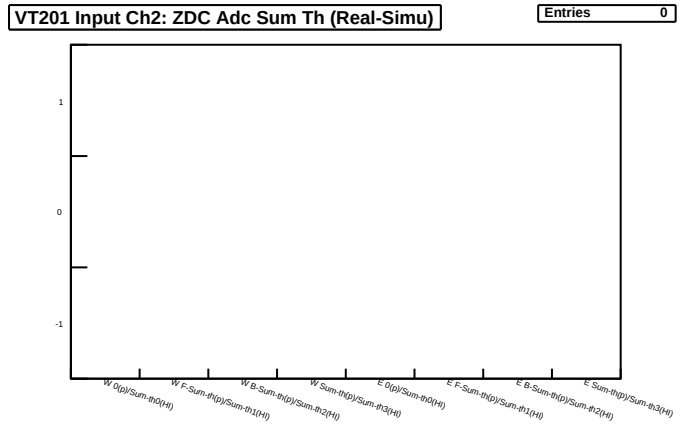

VT201 Input Ch1: EPD Hit Count Th
Entries 1216274
602566
600487
5571
7650
East
West

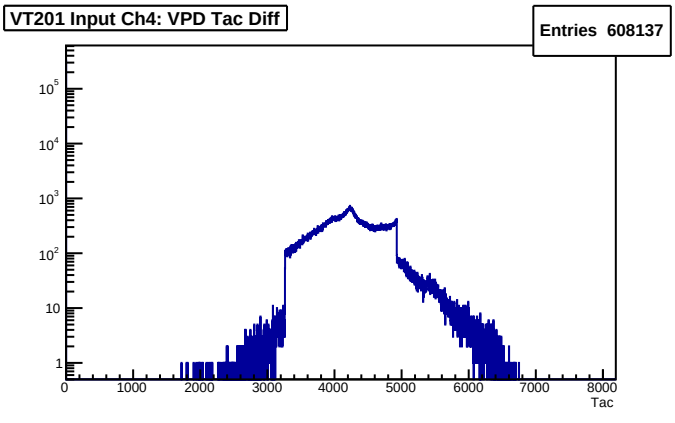

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

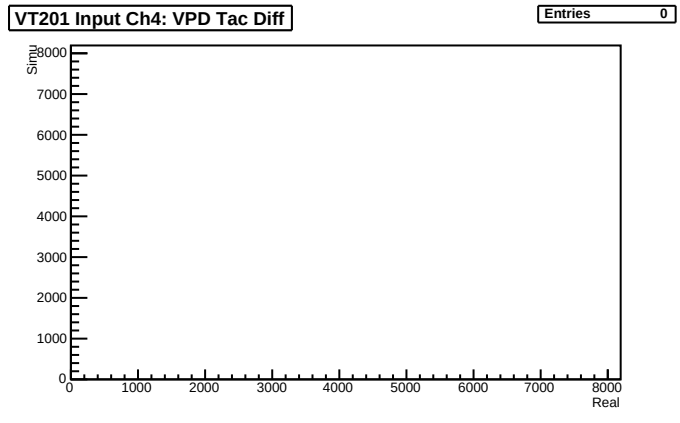

VT201 Input Ch2: ZDC Tac Diff
Entries 608137
Tac

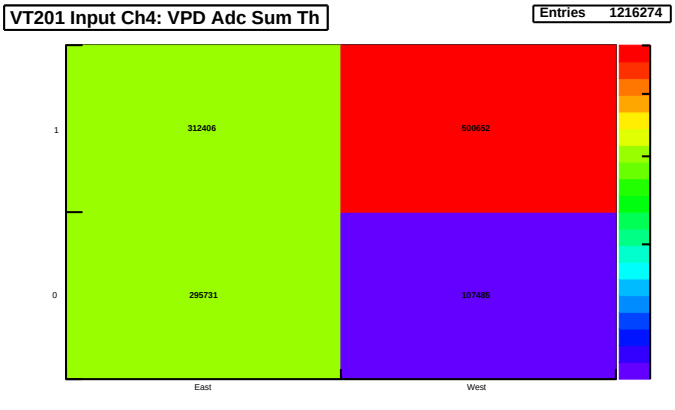

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

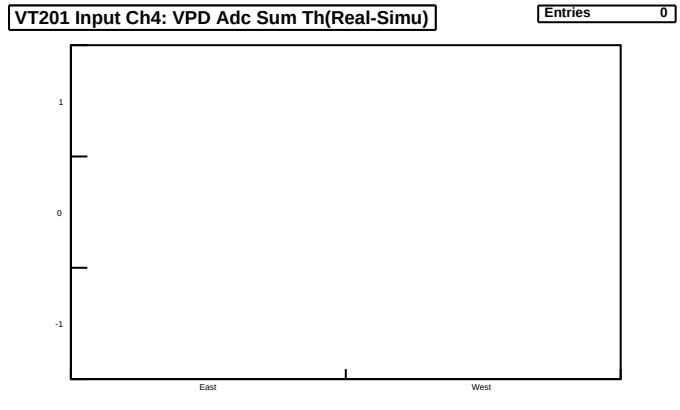

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4865096
13593
3301
20
16
12298
4854
81
68
594544
604836
608117
608121
595839
603283
608056
608069
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

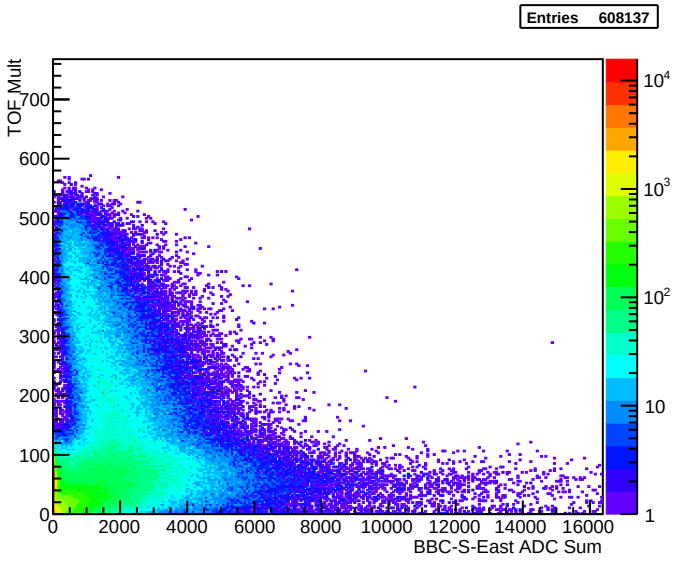

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

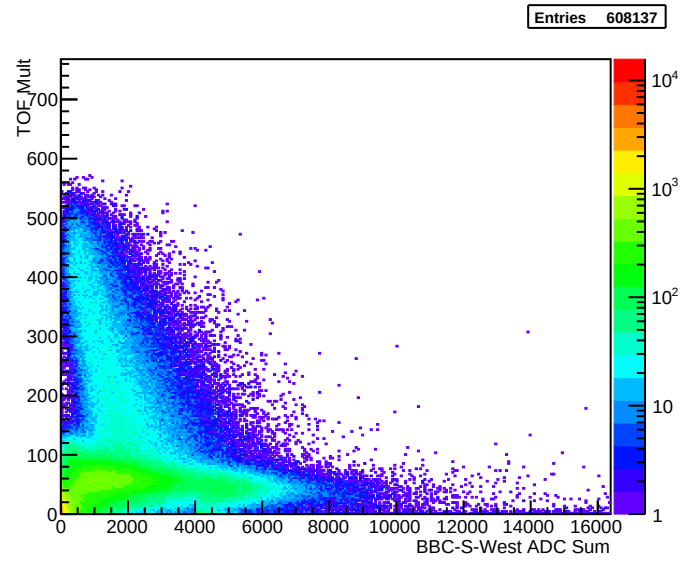

VT201 Input Ch4: VPD Tac Diff
Entries 608137
Tac

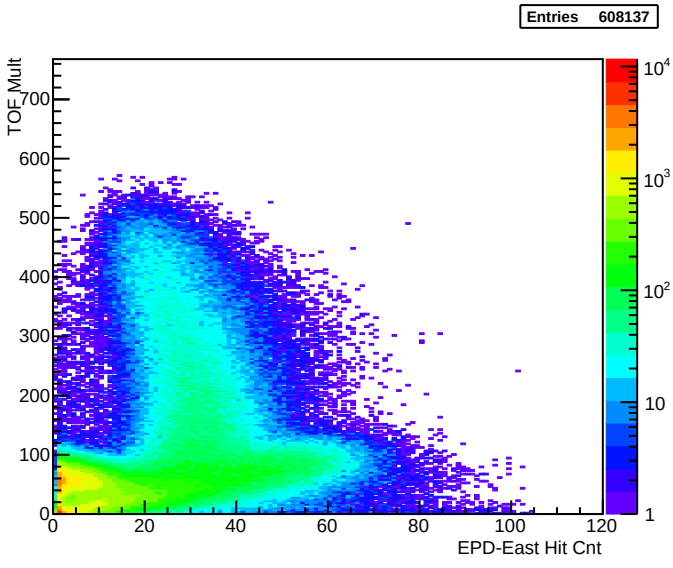

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

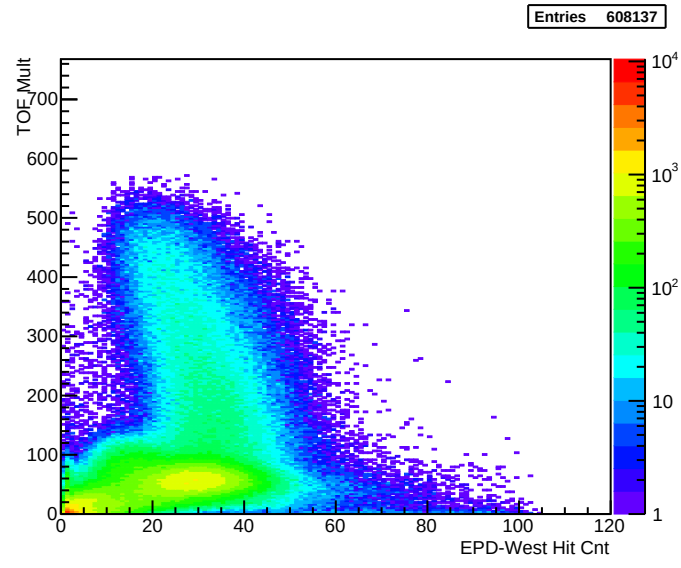

VT201 Input Ch4: VPD Adc Sum Th
Entries 1216274
312406
500652
295731
107485
East
West

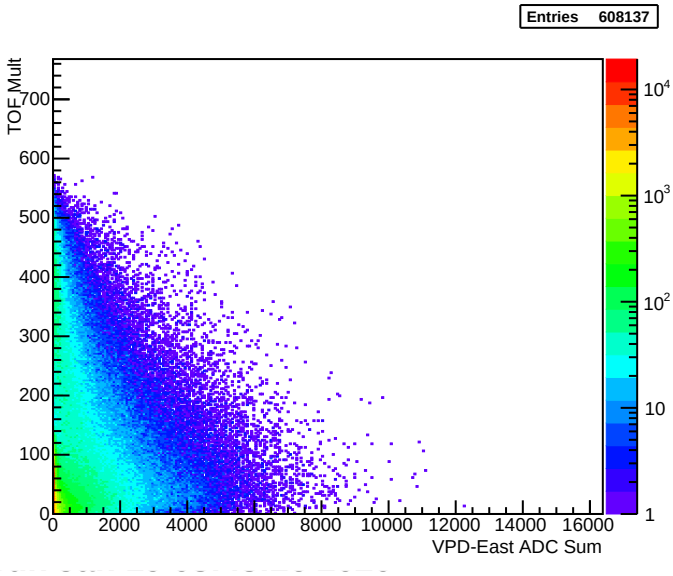

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

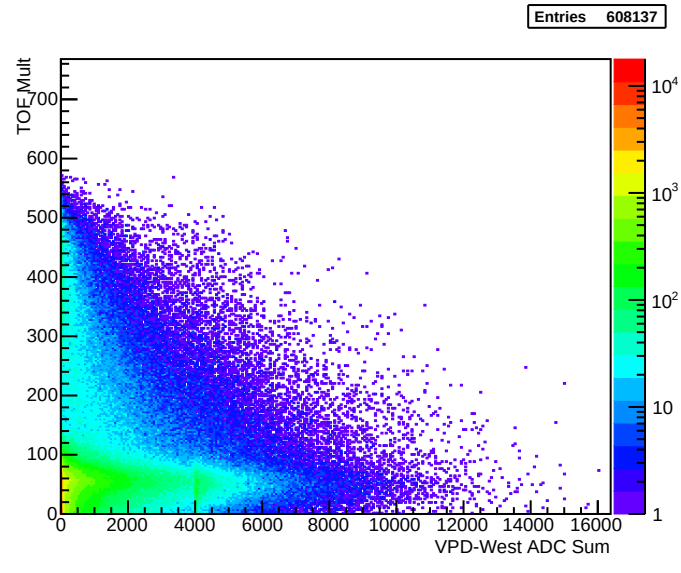

Entries 608137
TOF_Mult
BBC-S-East ADC Sum

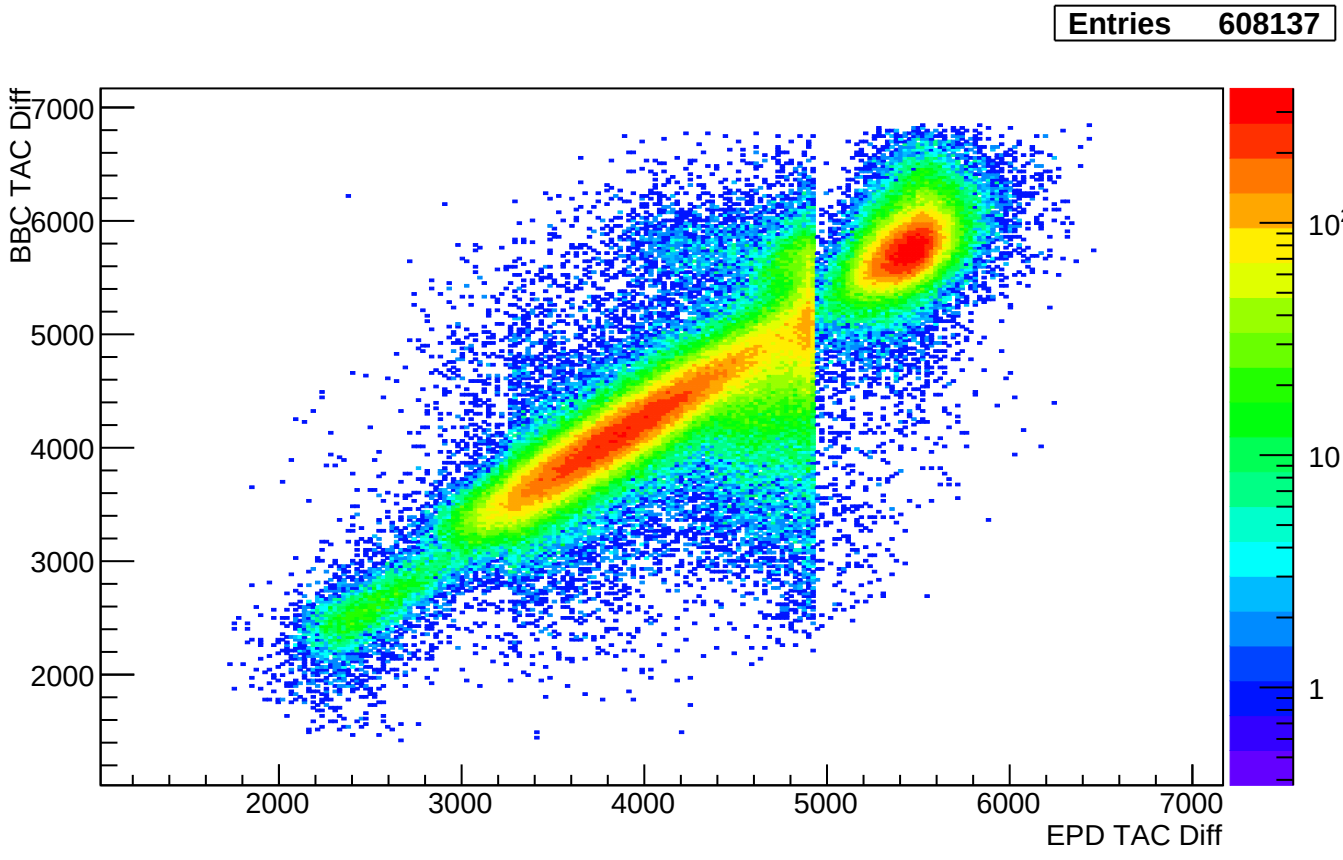

Entries 608137
TOF_Mult
BBC-S-West ADC Sum

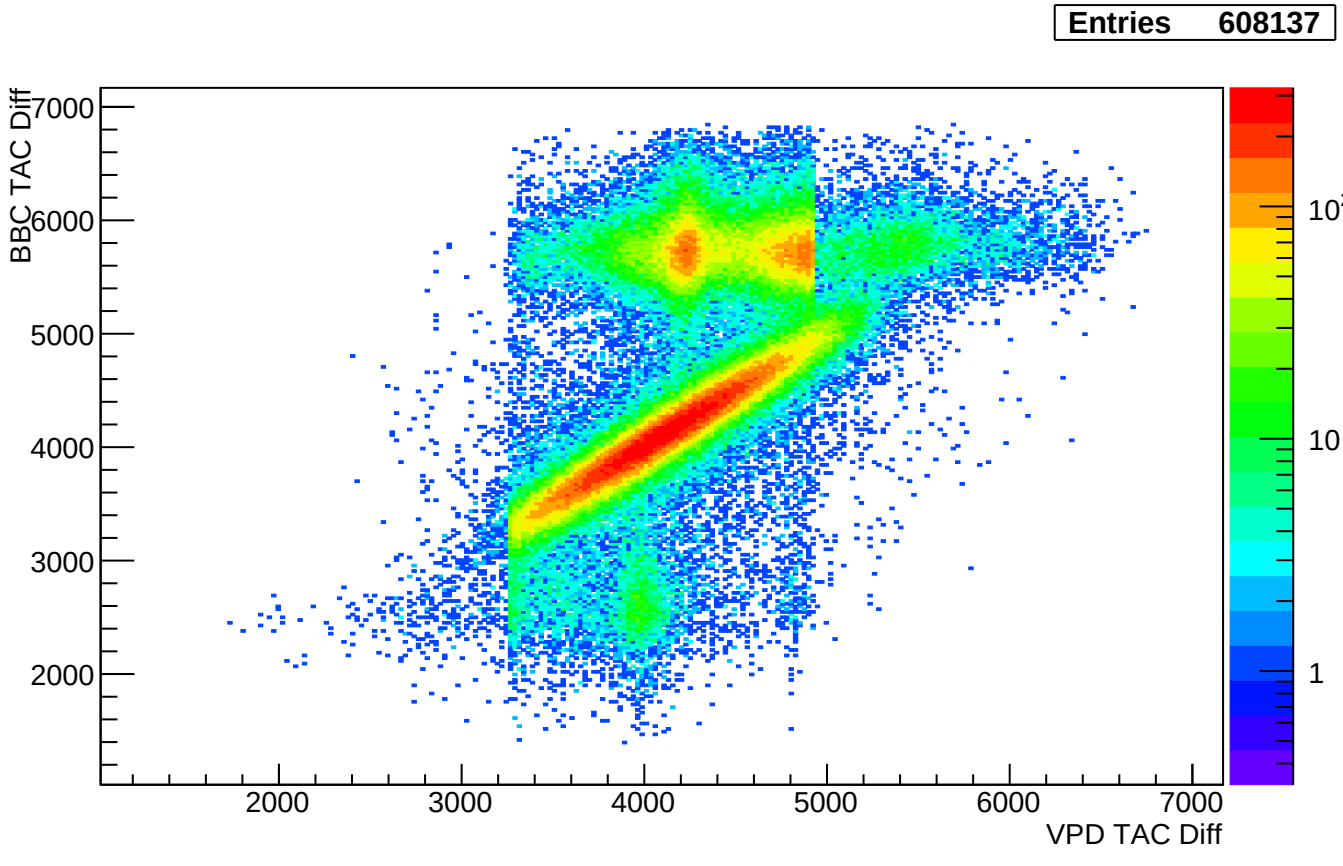

Entries 608137
TOF_Mult
EPD-East Hit Cnt

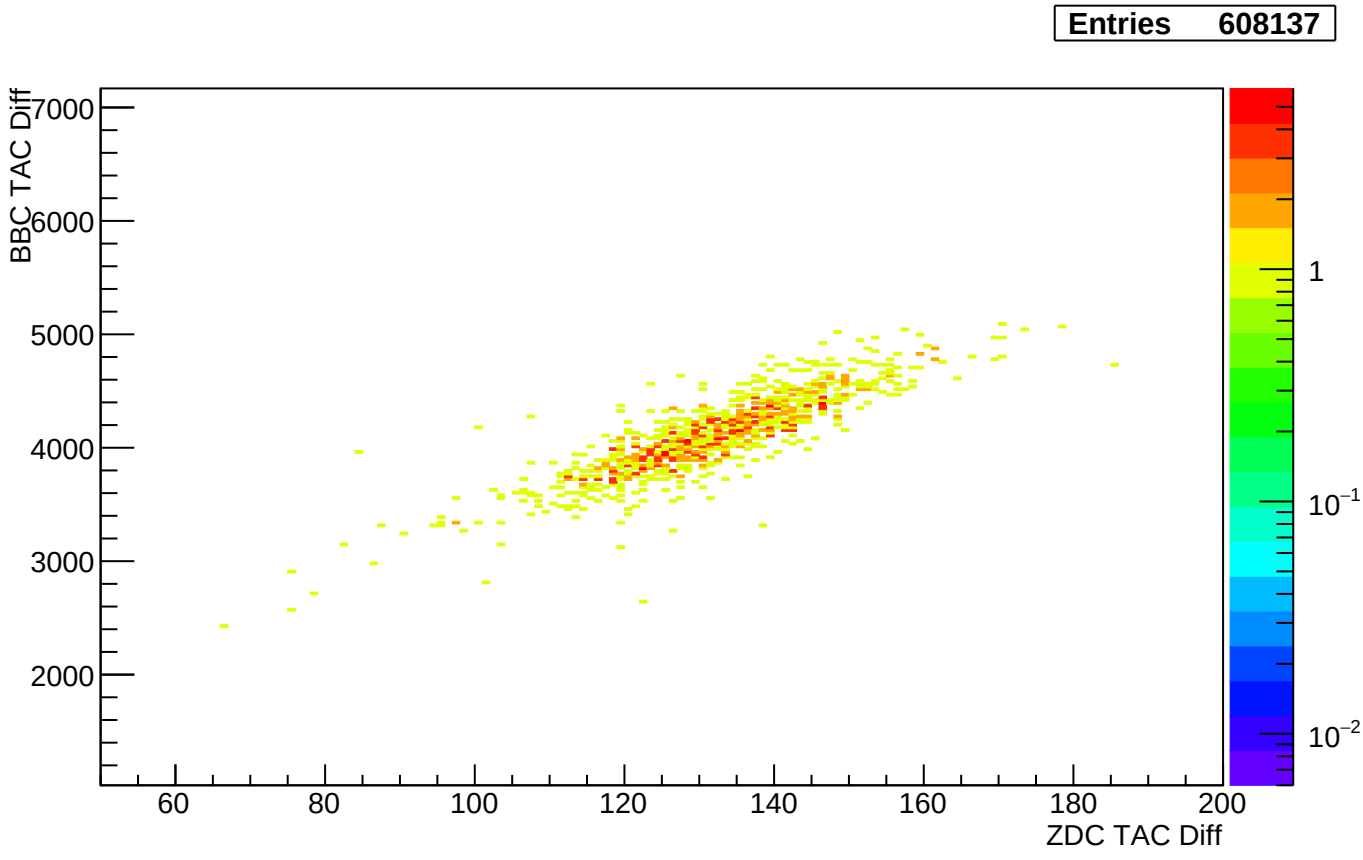

Entries 608137
TOF_Mult
EPD-West Hit Cnt

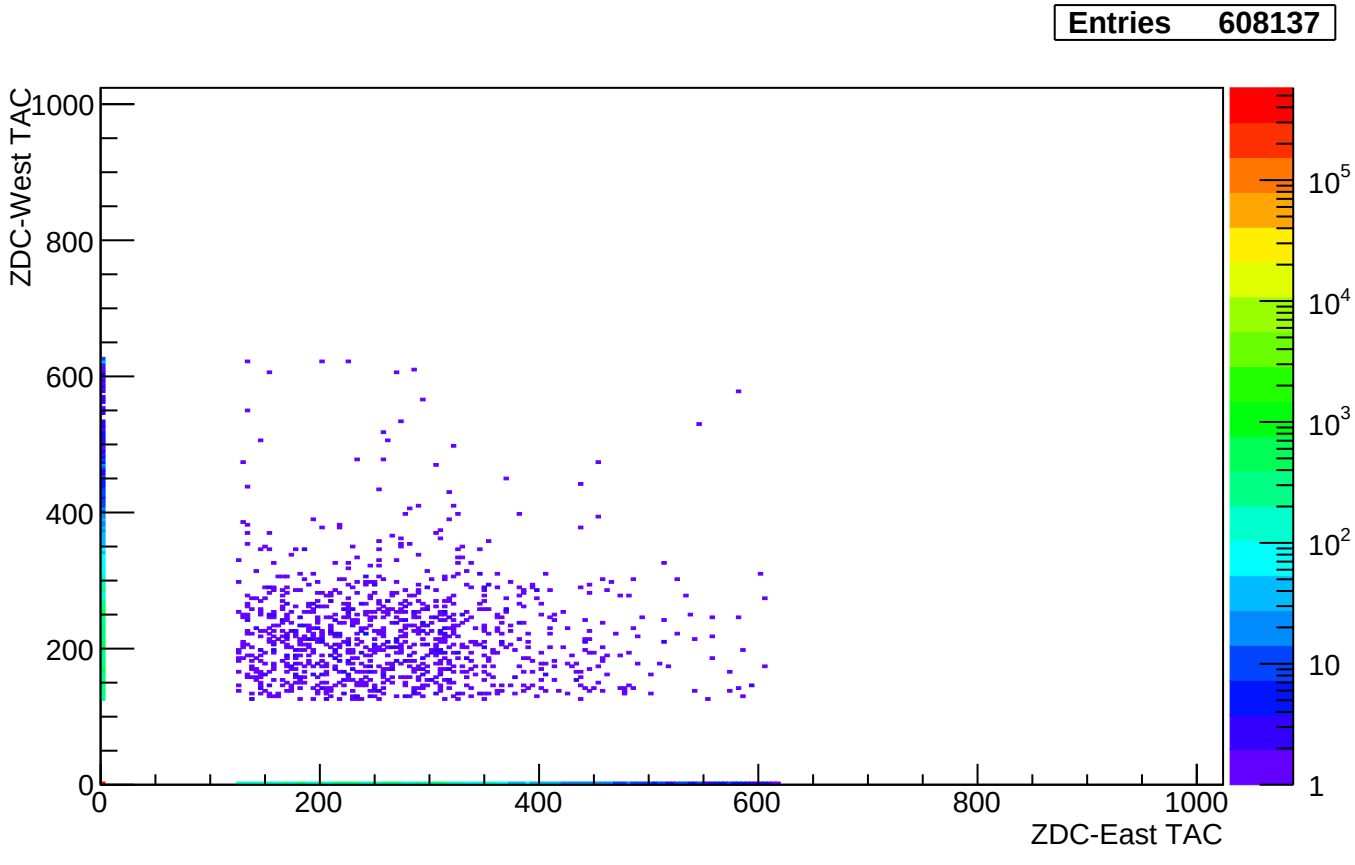

Entries 608137
TOF_Mult
VPD-East ADC Sum

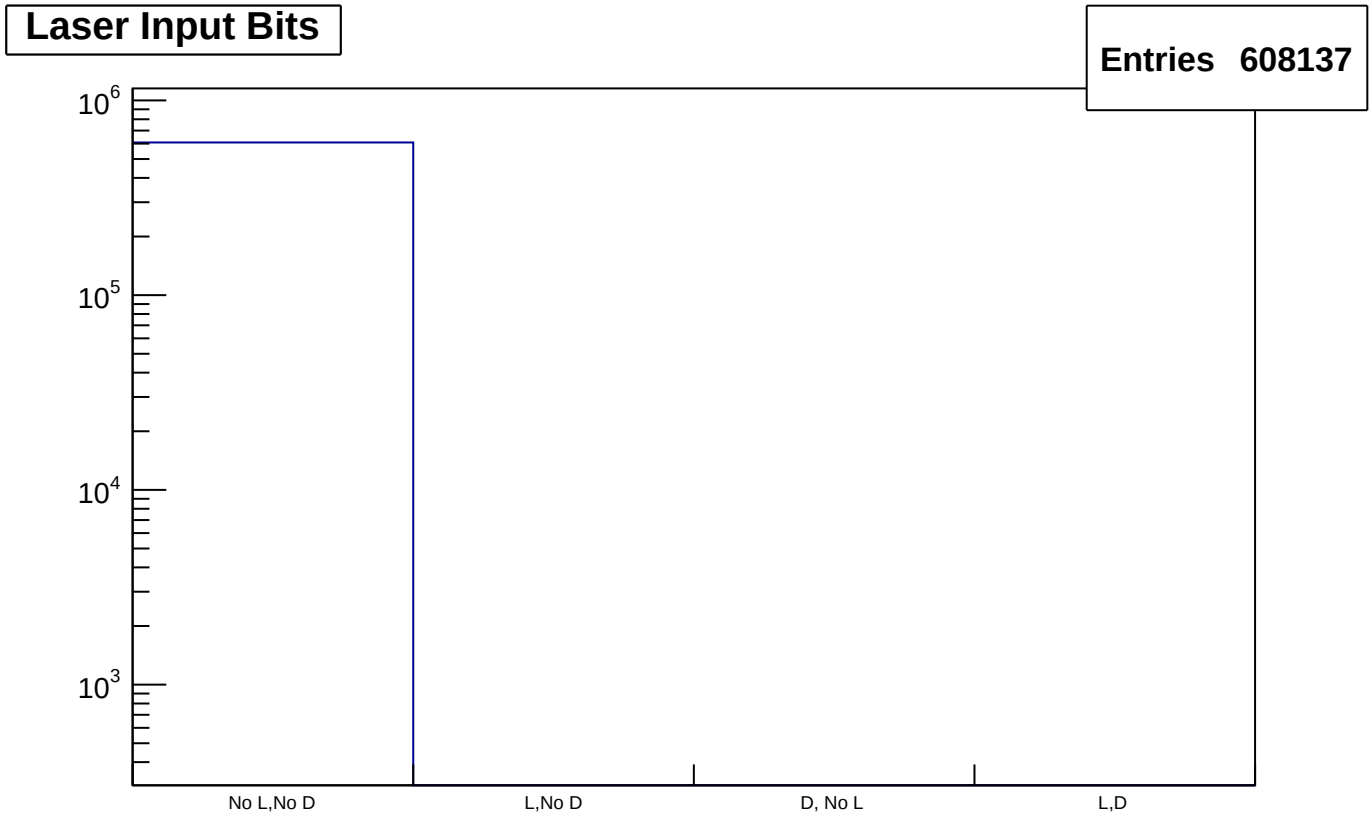

Entries 608137
TOF_Mult
VPD-West ADC Sum

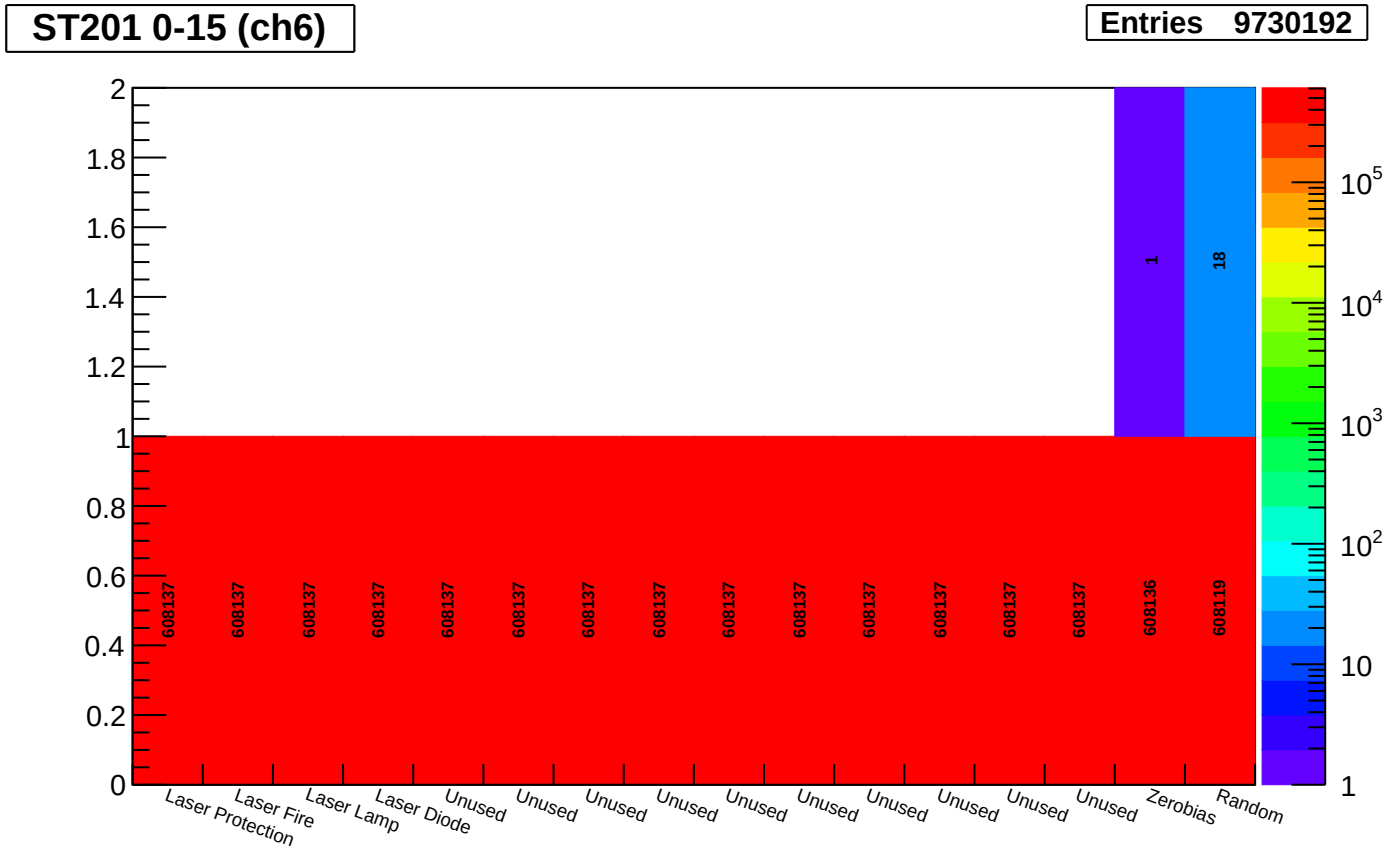

Entries 608137
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

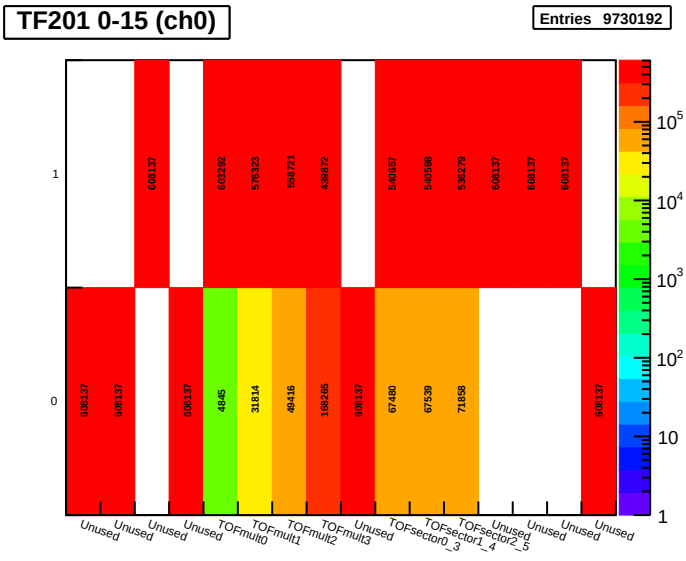

Entries 608137
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

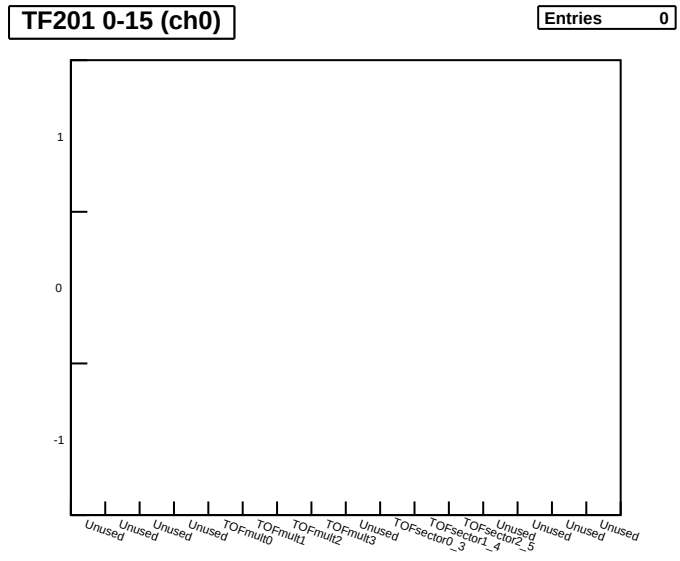

Entries 608137
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

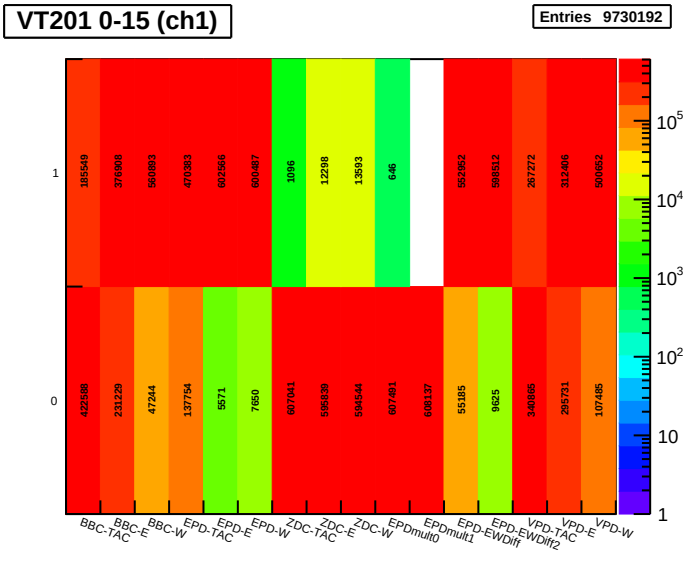

Entries 608137
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

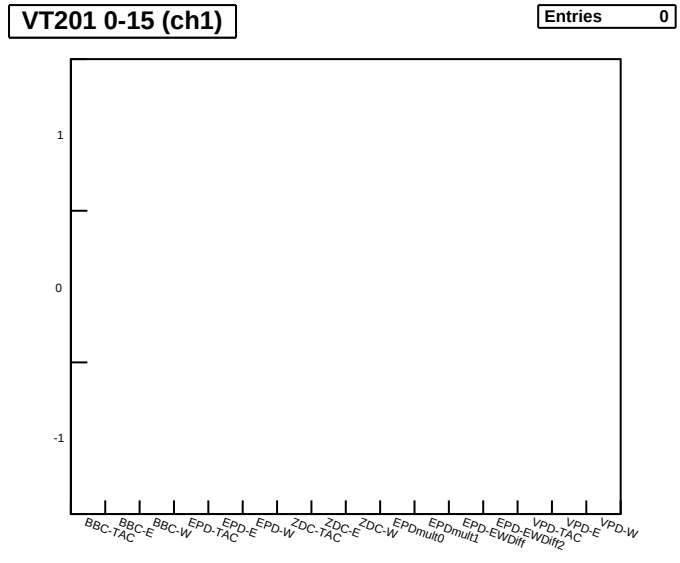

Laser Input Bits
Entries 608137
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

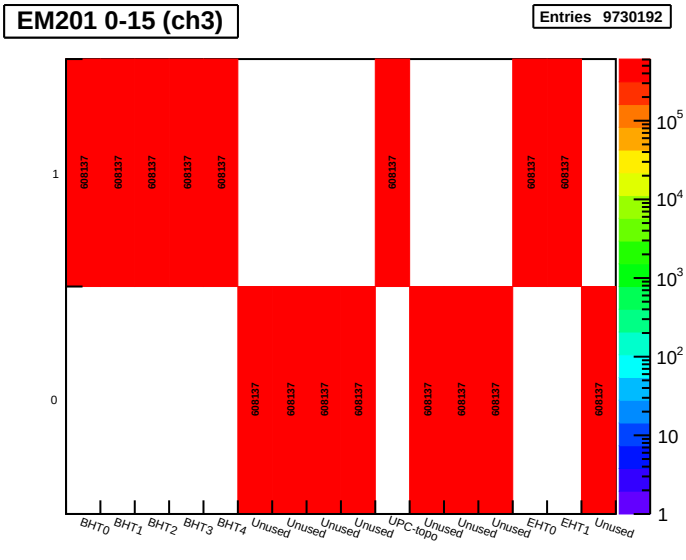

ST201 0-15 (ch6)
Entries 9730192
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608136
608119
1
18
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

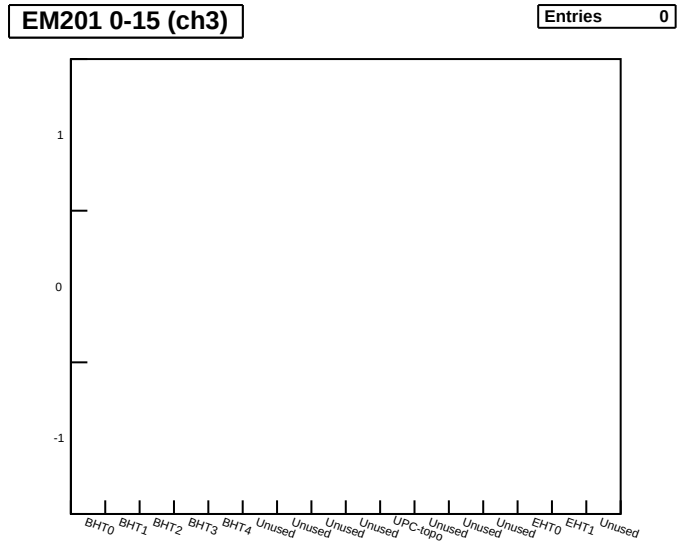

TF201 0-15 (ch0)
Entries 9730192
1
0
608137
603292
576323
558721
439872
540657
540598
536279
608137
608137
608137
608137
608137
608137
608137
608137
608137
4845
31814
49416
168265
608137
67480
67539
71858
608137
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 9730192
1
0
185549
376898
560893
470383
602566
600487
1096
12298
13593
646
552952
598512
267272
312406
500652
422588
231229
47244
137754
5571
7650
607041
599839
594544
607491
608137
55185
9625
340865
295731
107485
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^5
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 9730192
1
0
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
608137
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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