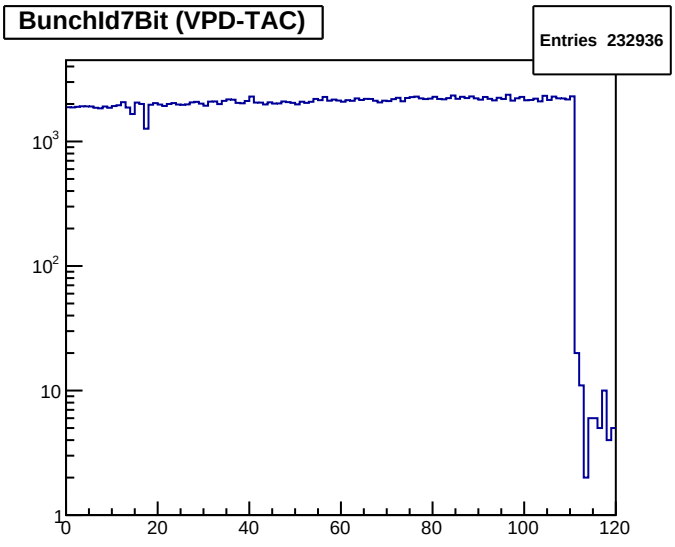
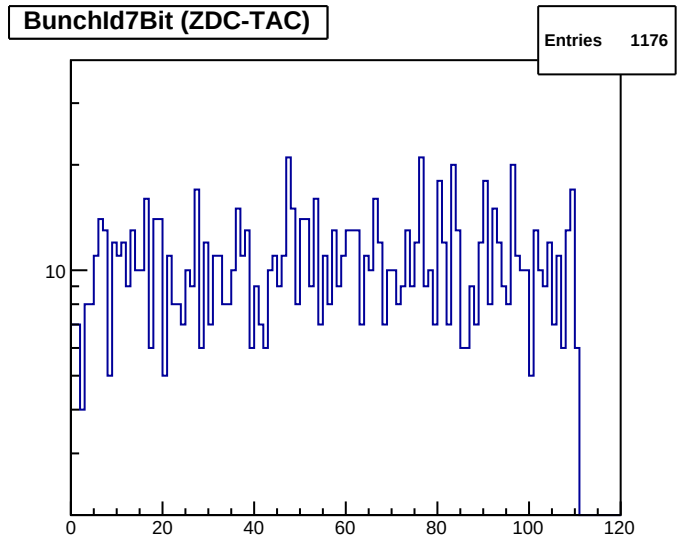
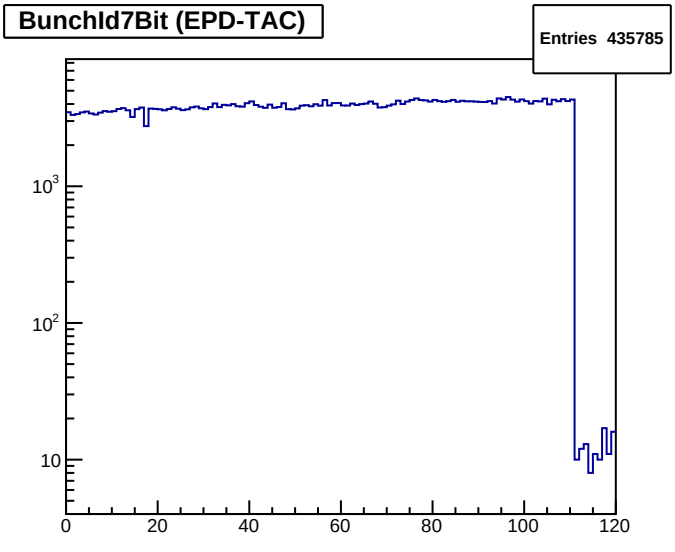
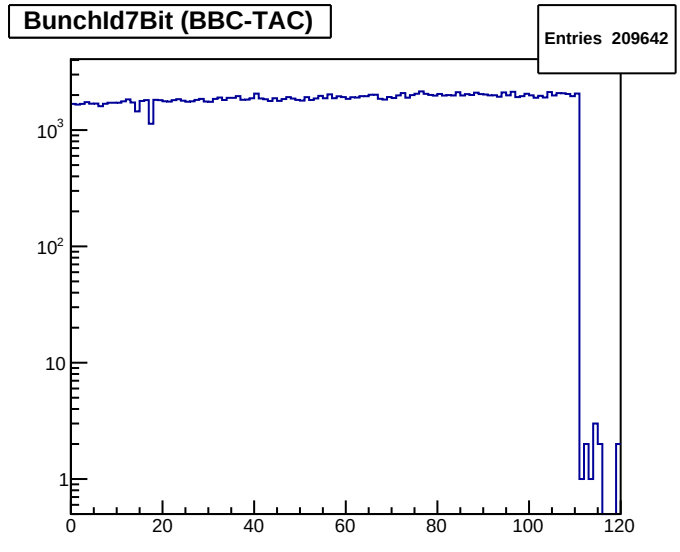
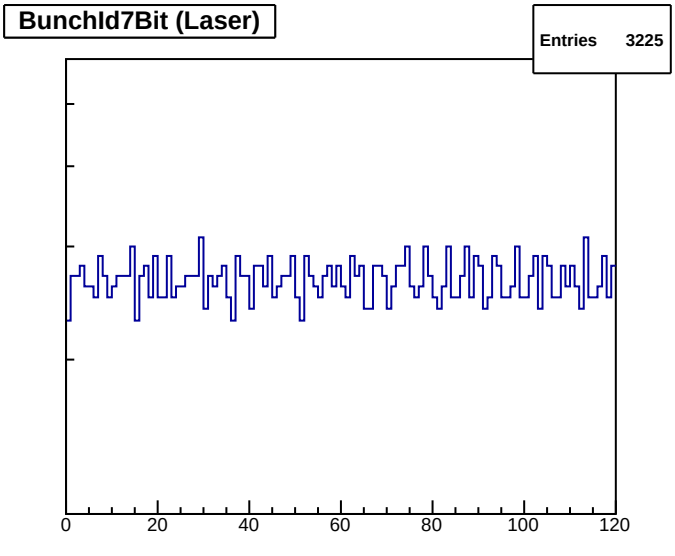
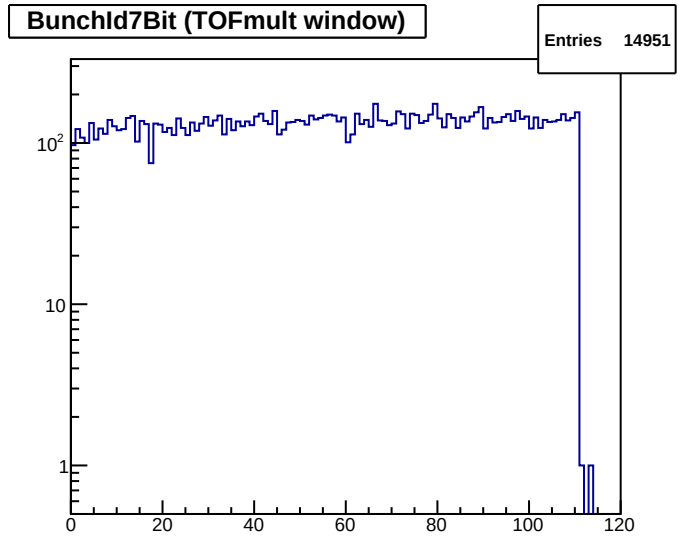

BunchId7Bit (VPD-TAC)
Entries 232936
10^3
10^2
10
1
0
20
40
60
80
100
120

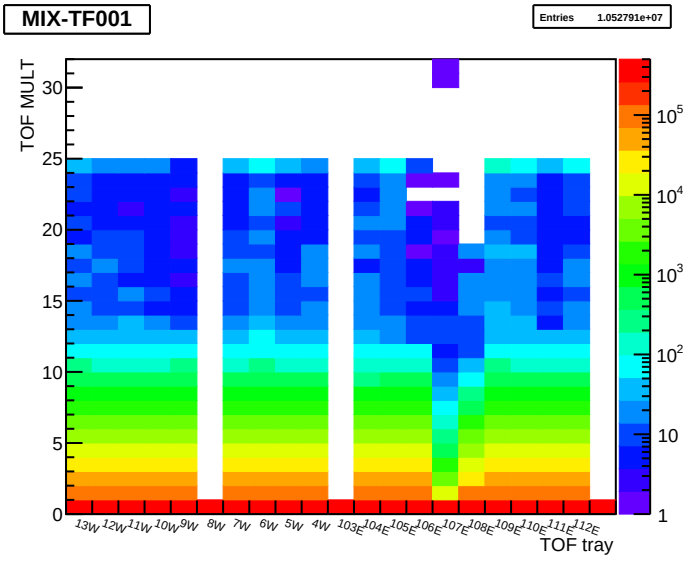

BunchId7Bit (ZDC-TAC)
Entries 1176
10
0
20
40
60
80
100
120

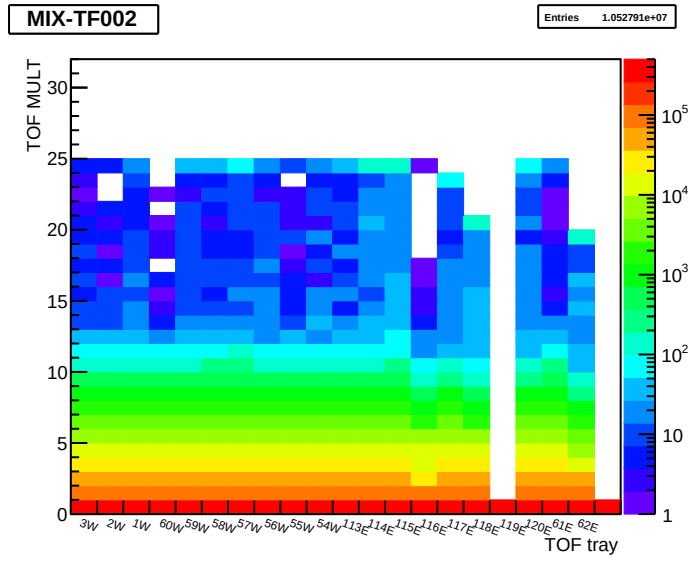

BunchId7Bit (EPD-TAC)
Entries 435785
10^3
10^2
10
0
20
40
60
80
100
120

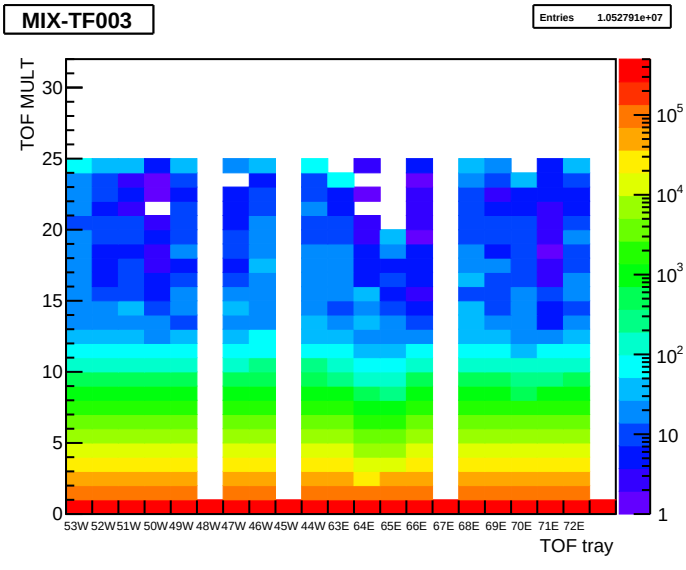

BunchId7Bit (BBC-TAC)
Entries 209642
10^3
10^2
10
1
0
20
40
60
80
100
120

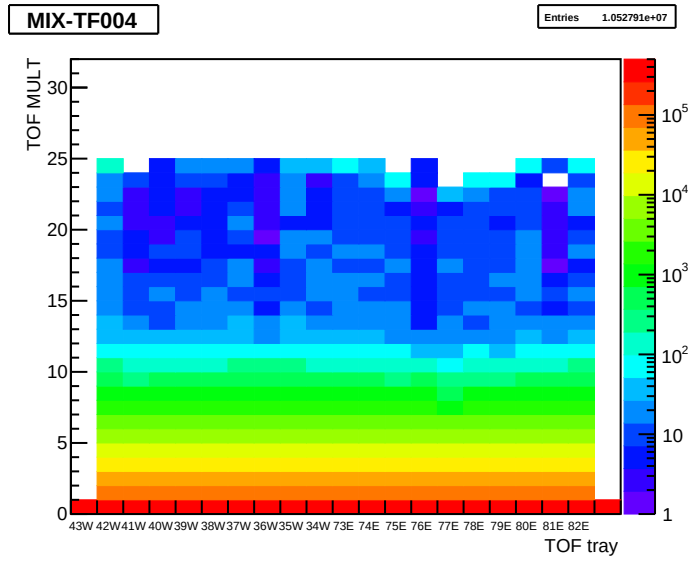

BunchId7Bit (Laser)
Entries 3225
0
20
40
60
80
100
120

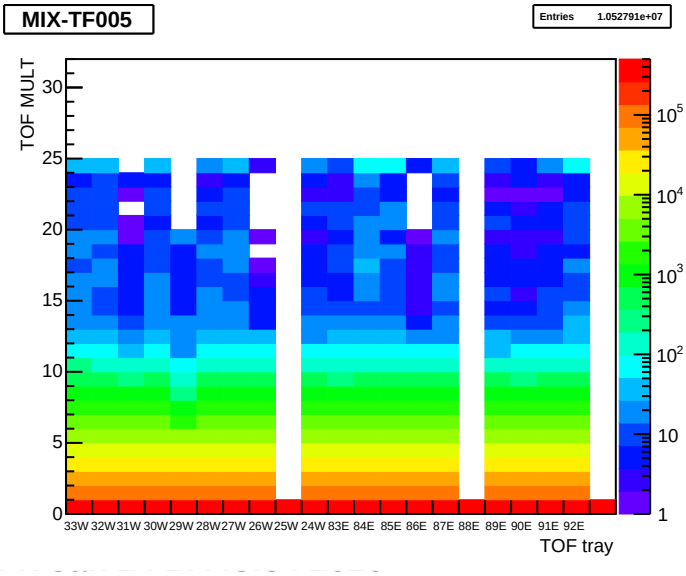

BunchId7Bit (TOFmult window)
Entries 14951
10^2
10
1
0
20
40
60
80
100
120

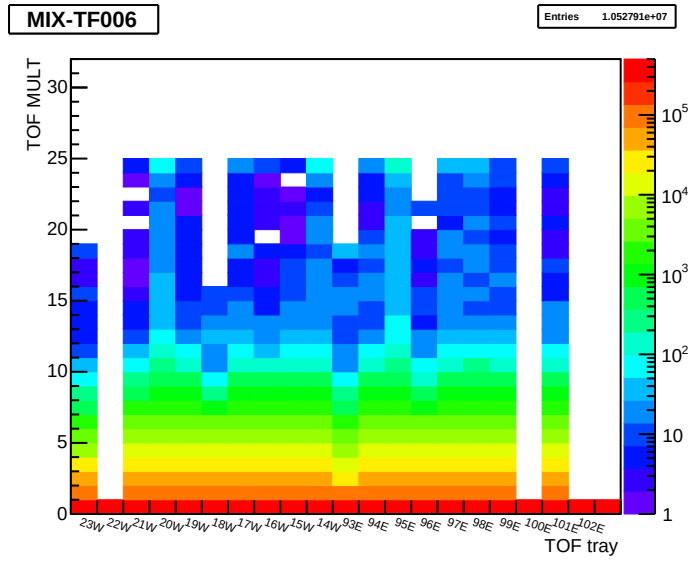

MIX-TF001
Entries 1.052791e+07
TOF MULT
TOF tray

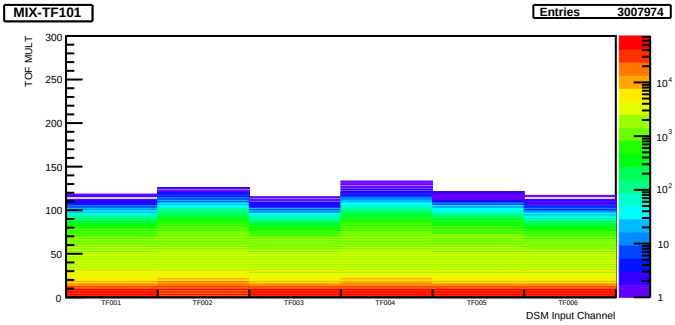

MIX-TF002
Entries 1.052791e+07
TOF MULT
TOF tray

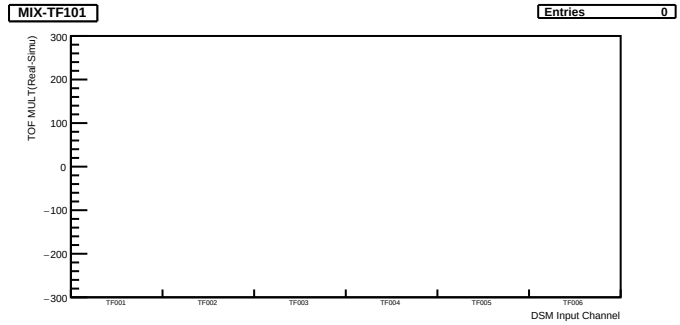

MIX-TF003
Entries 1.052791e+07
TOF MULT
TOF tray

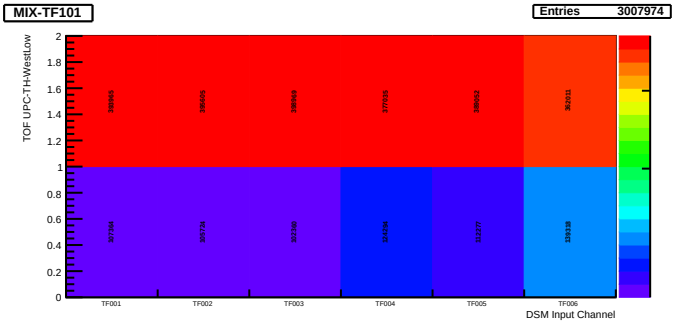

MIX-TF004
Entries 1.052791e+07
TOF MULT
TOF tray

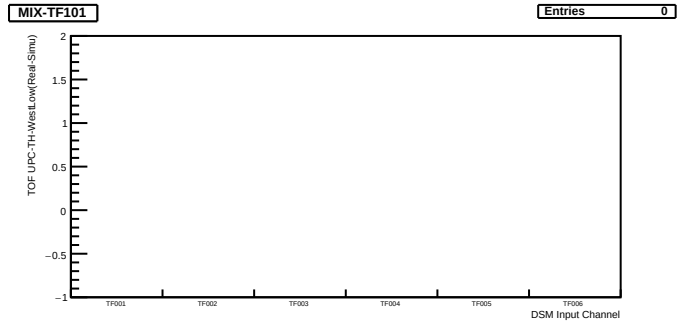

MIX-TF005
Entries 1.052791e+07
TOF MULT
TOF tray

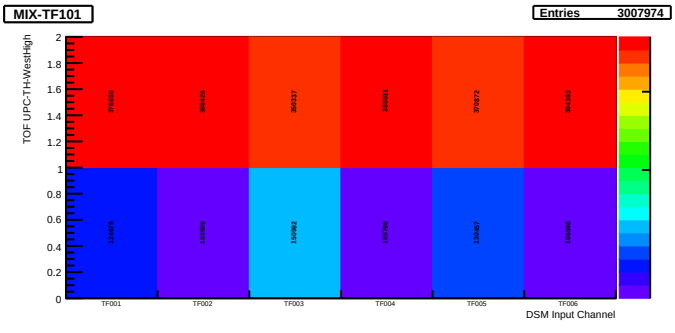

MIX-TF006
Entries 1.052791e+07
TOF MULT
TOF tray

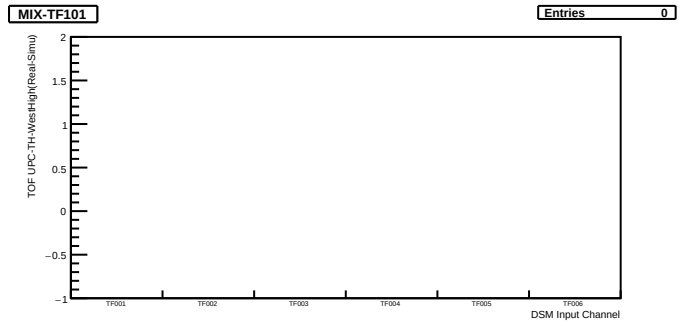

MIX-TF101
Entries 3007974
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

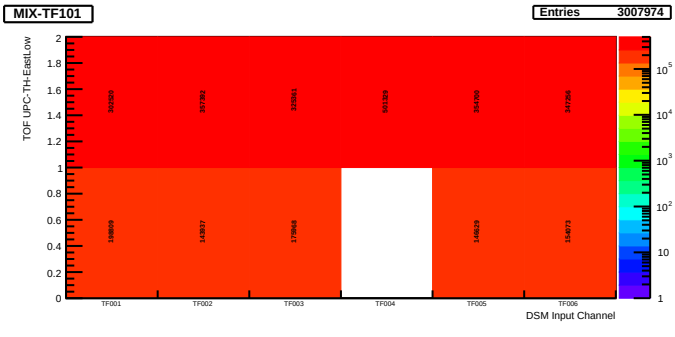

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

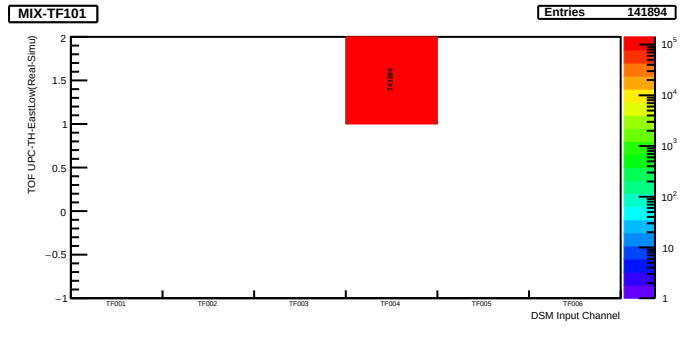

MIX-TF101
Entries 3007974
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

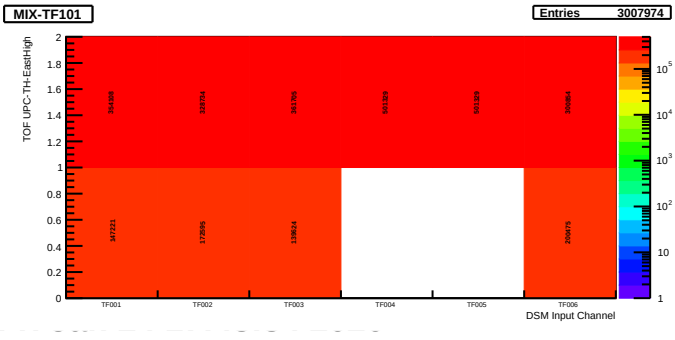

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

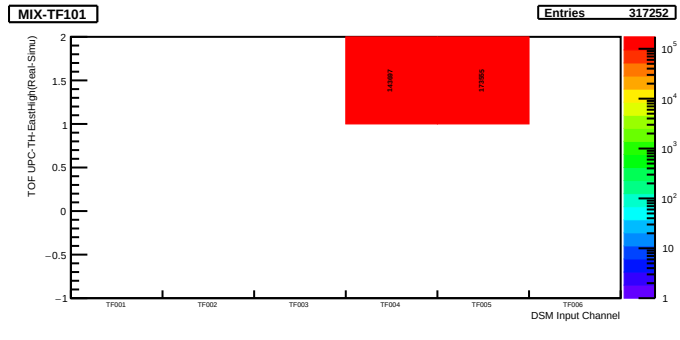

MIX-TF101
Entries 3007974
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

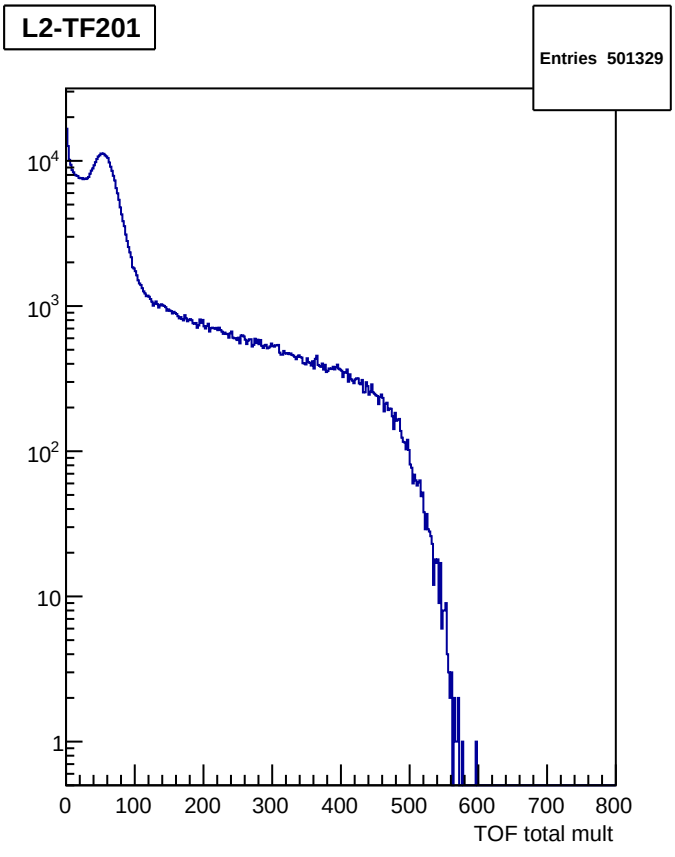

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

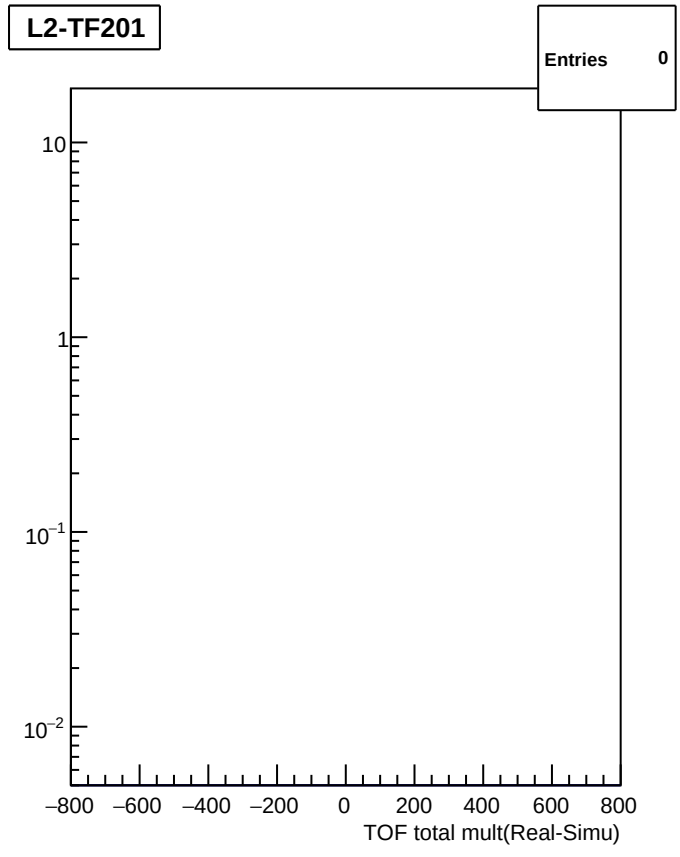

MIX-TF101
Entries 3007974
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

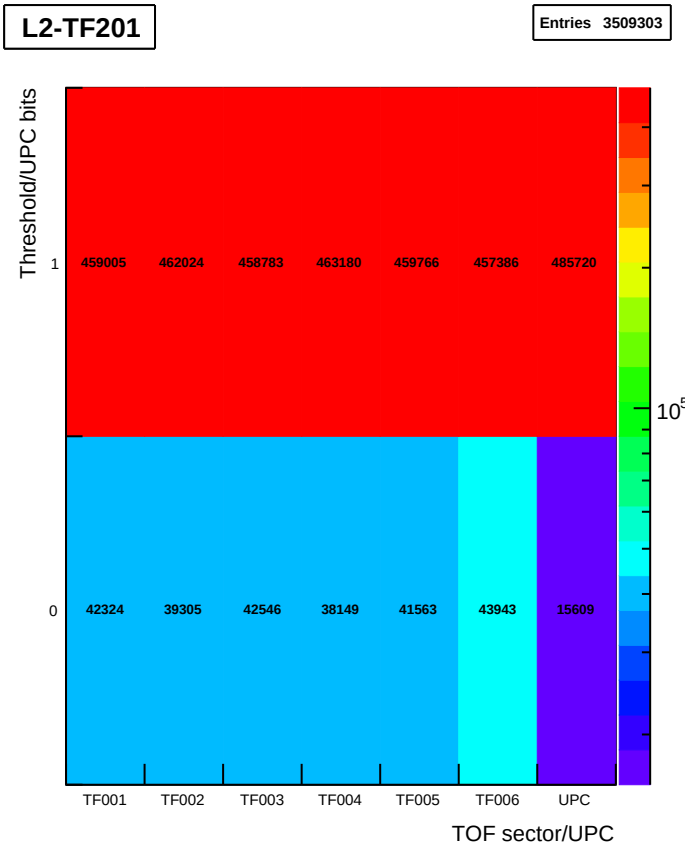

MIX-TF101
Entries 141894
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

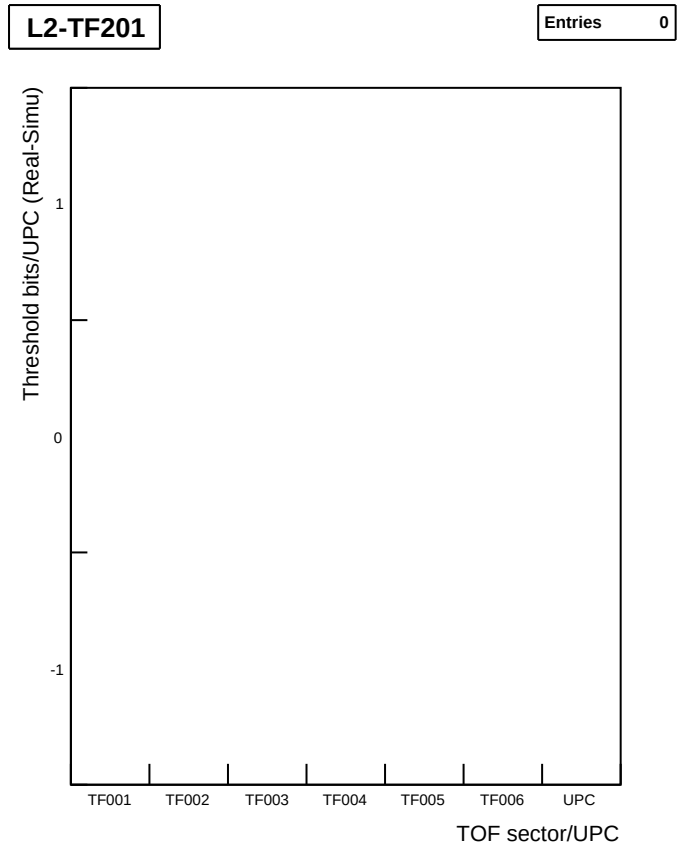

MIX-TF101
Entries 3007974
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

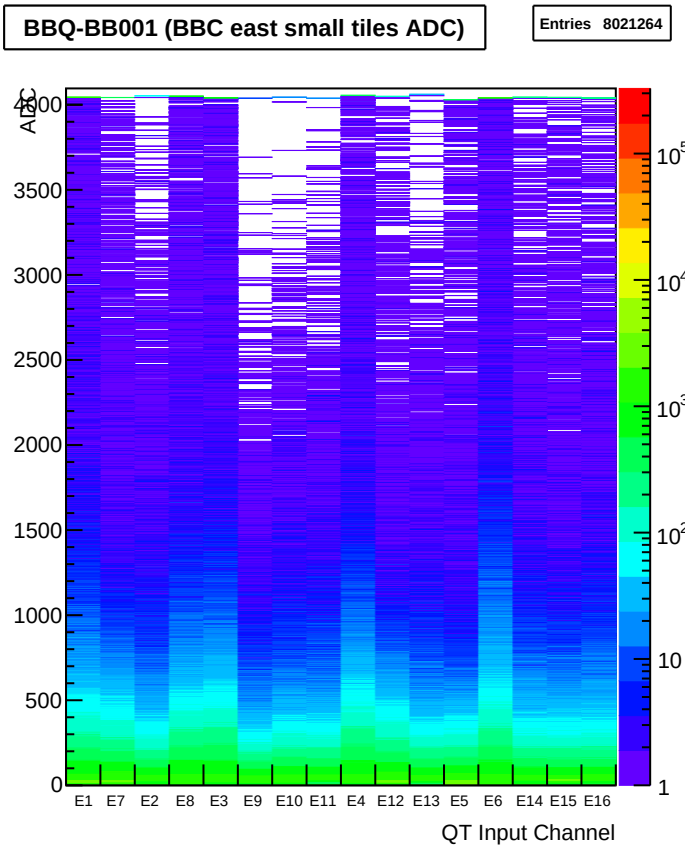

MIX-TF101
Entries 317252
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

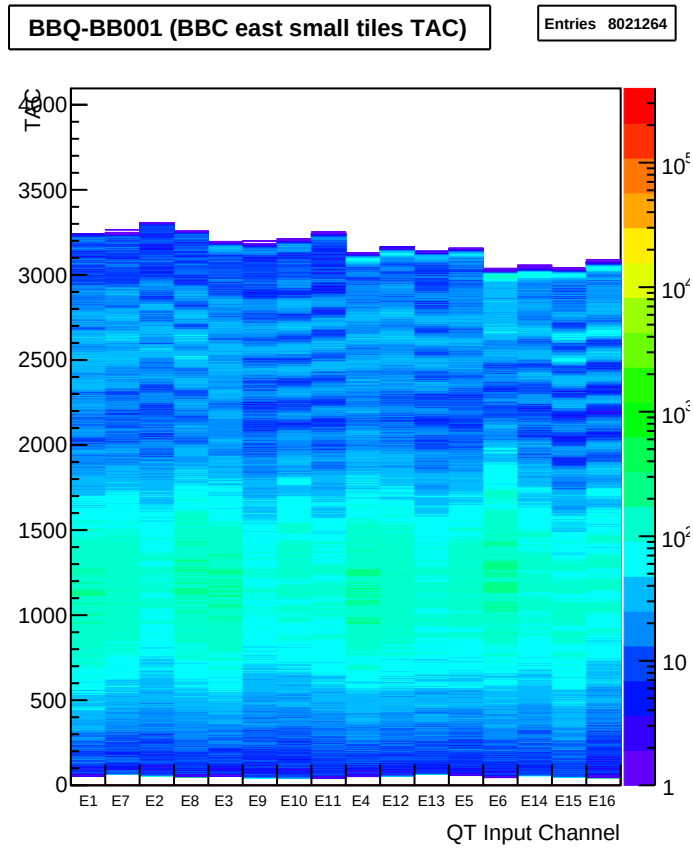

L2-TF201
Entries 501329
TOF total mult

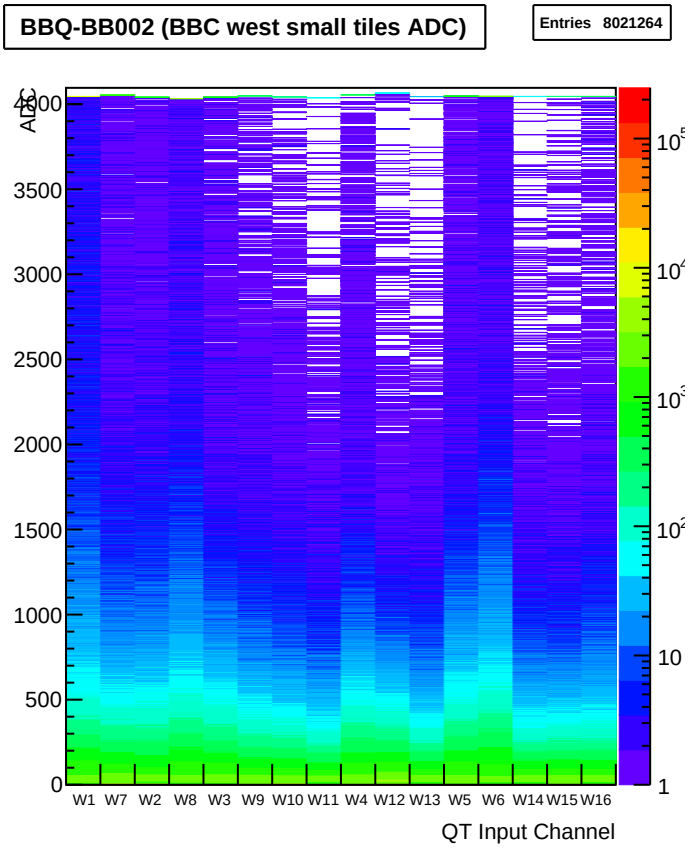

L2-TF201
Entries 0
TOF total mult(Real-Simu)

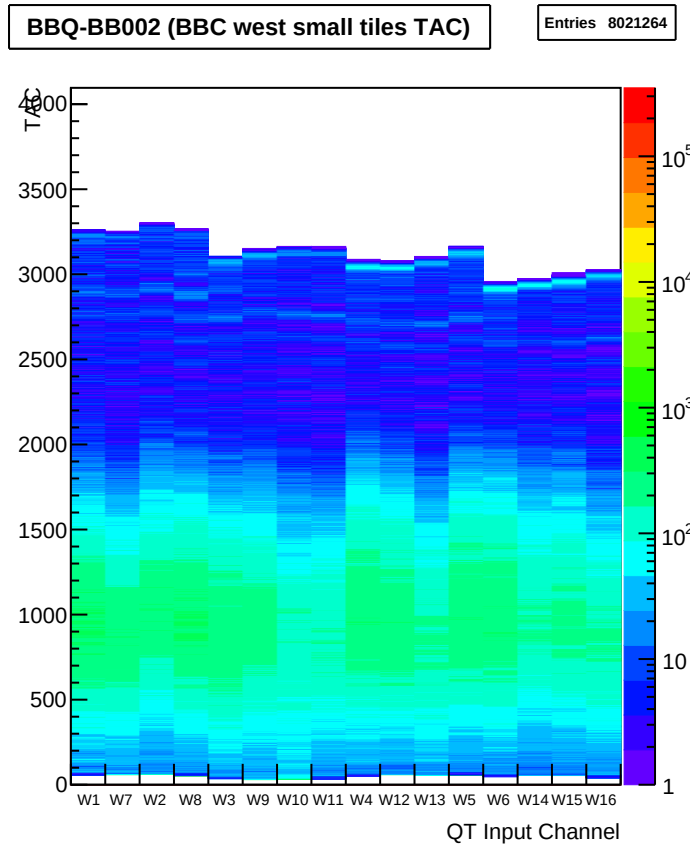

L2-TF201
Entries 3509303
Threshold/UPC bits
459005
462024
458783
463180
459766
457386
485720
42324
39305
42546
38149
41563
43943
15609
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

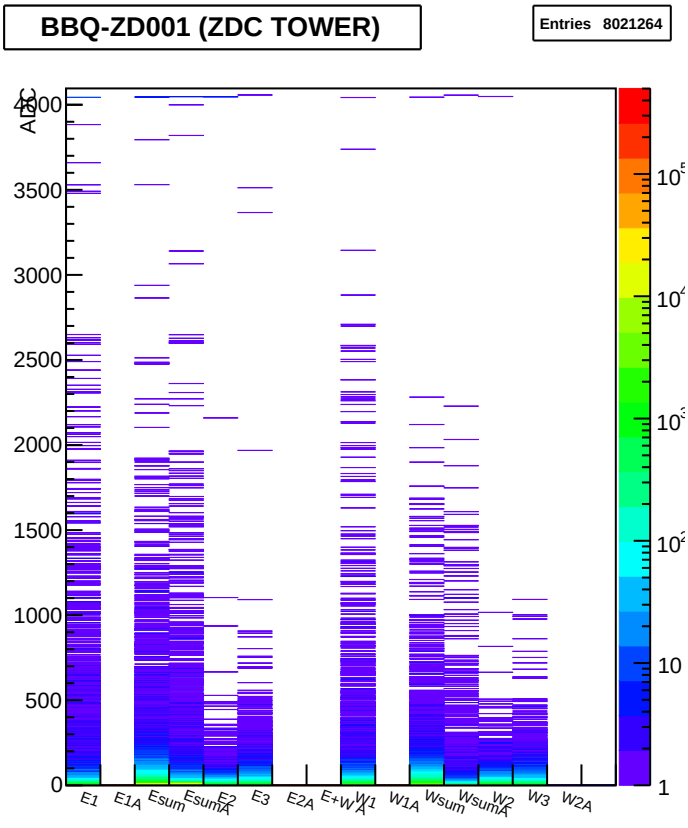

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

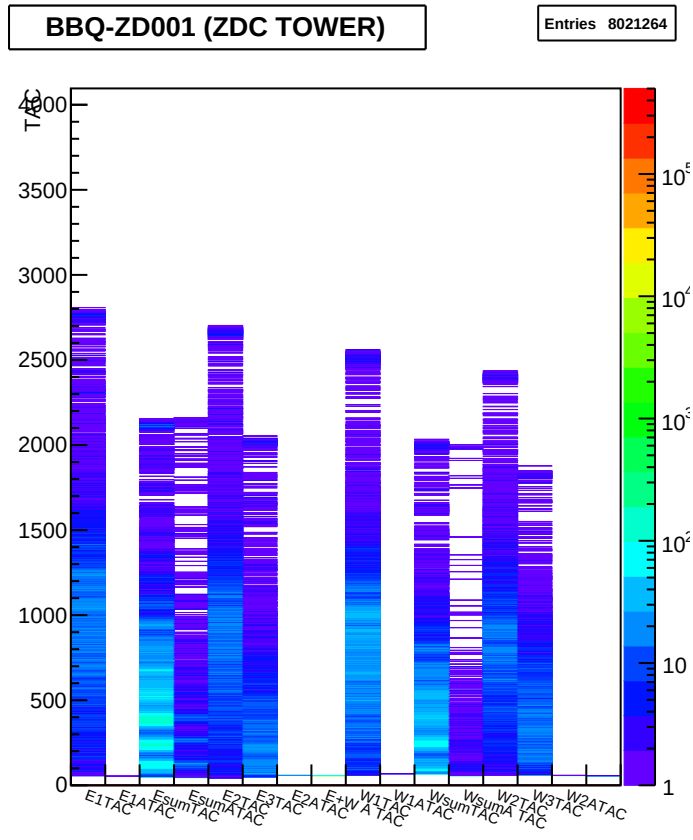

BBQ-BB001 (BBC east small tiles ADC)
Entries 8021264
ADC
0
500
1000
1500
2000
2500
3000
3500
4000
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

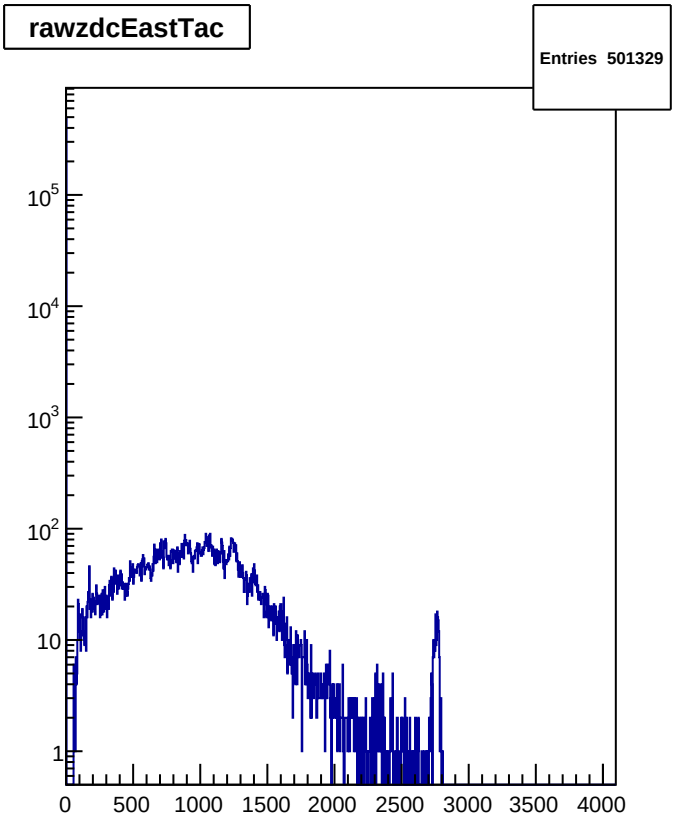

BBQ-BB001 (BBC east small tiles TAC)
Entries 8021264
TAC
0
500
1000
1500
2000
2500
3000
3500
4000
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

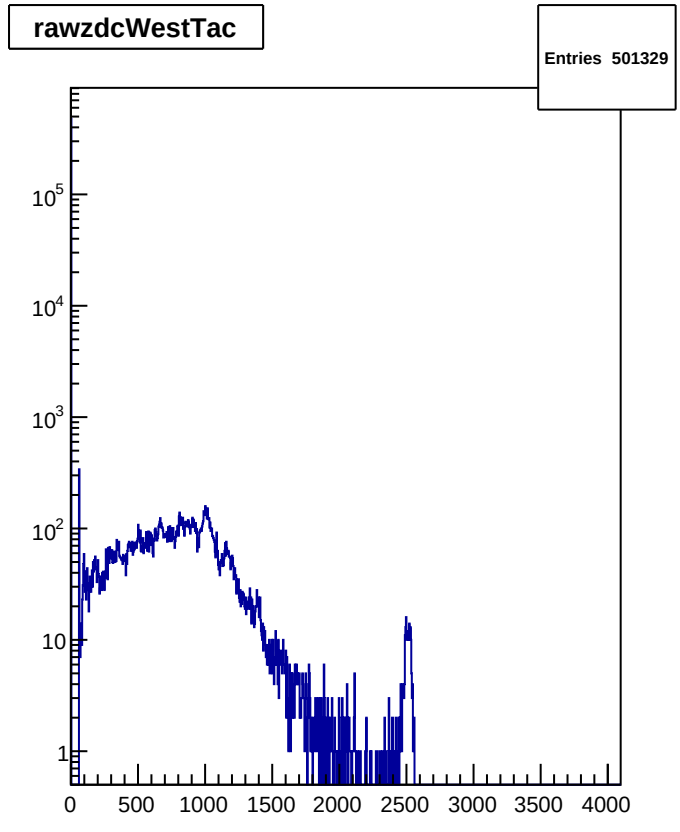

BBQ-BB002 (BBC west small tiles ADC)
Entries 8021264
ADC
0
500
1000
1500
2000
2500
3000
3500
4000
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

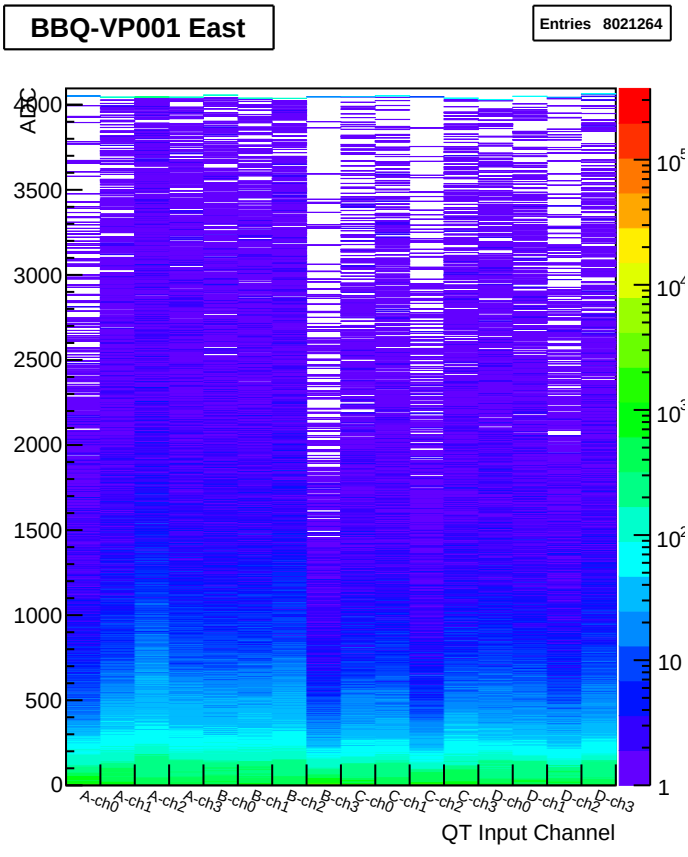

BBQ-BB002 (BBC west small tiles TAC)
Entries 8021264
TAC
0
500
1000
1500
2000
2500
3000
3500
4000
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10²
10³
10⁴
10⁵

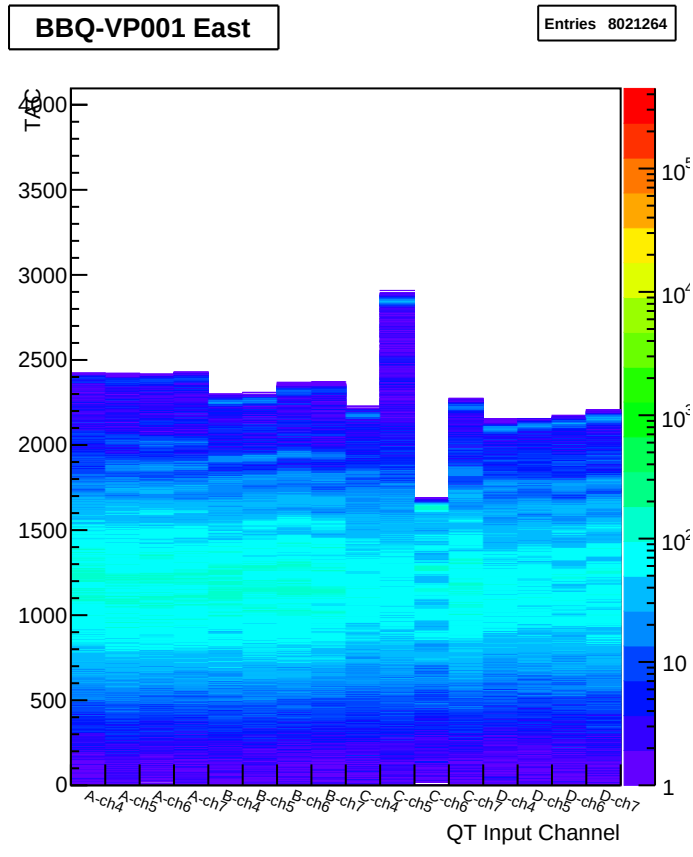

BBQ-ZD001 (ZDC TOWER)
Entries 8021264
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W A
W1
W1A
Wsum
WsumA
W2
W3
W2A

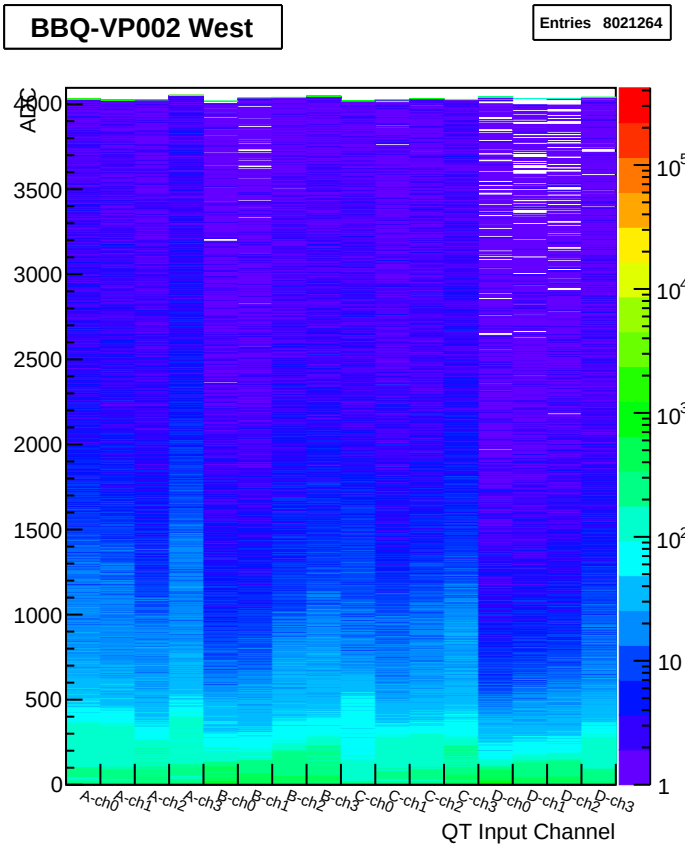

BBQ-ZD001 (ZDC TOWER)
Entries 8021264
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

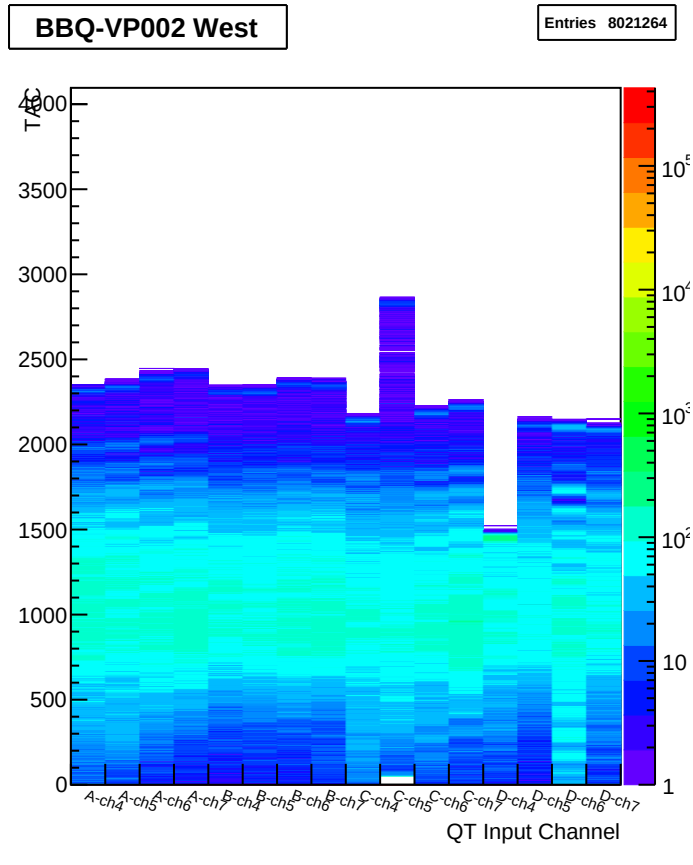

rawzdcEastTac
Entries 501329

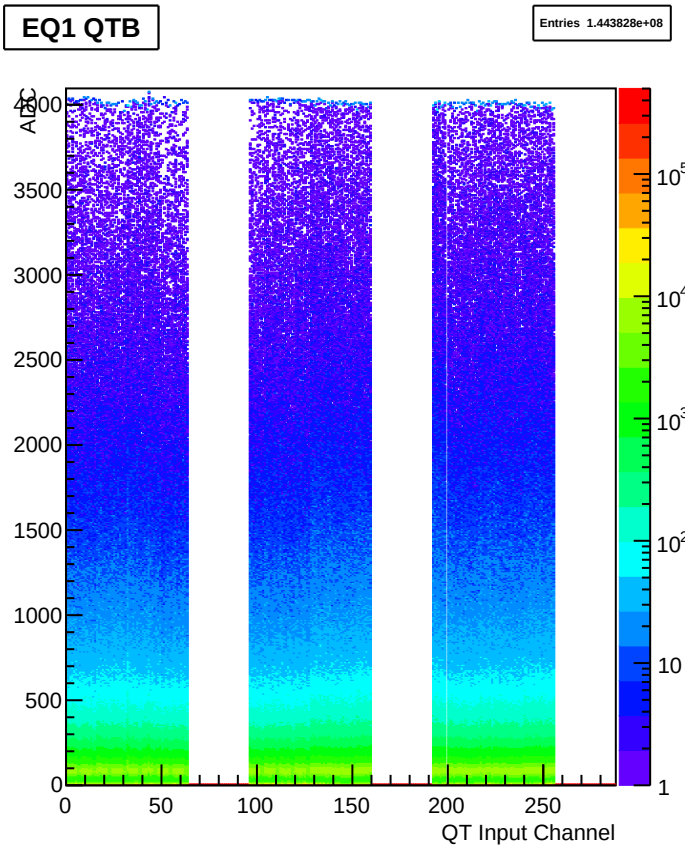

rawzdcWestTac
Entries 501329

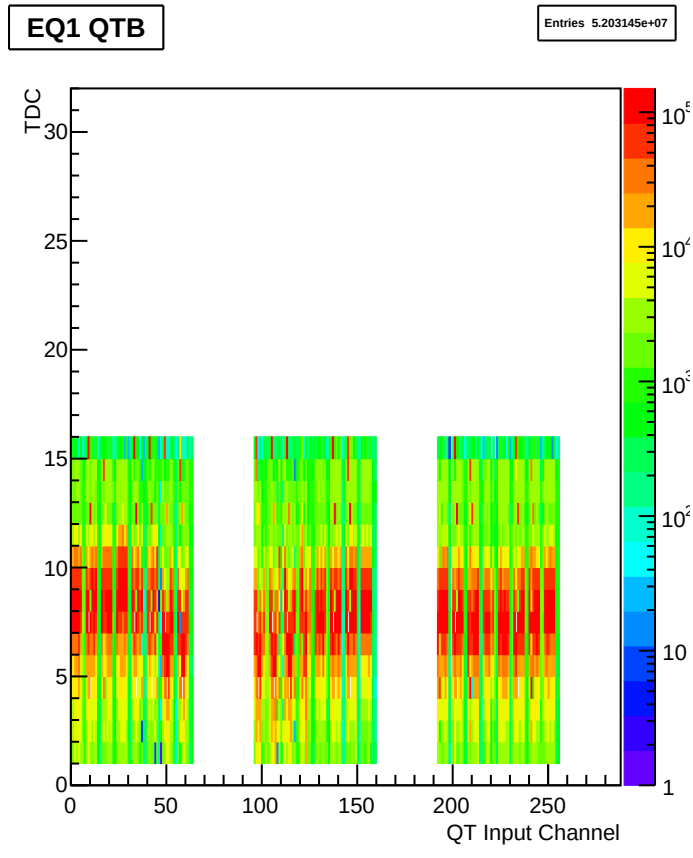

BBQ-VP001 East
Entries 8021264
ADC
QT Input Channel

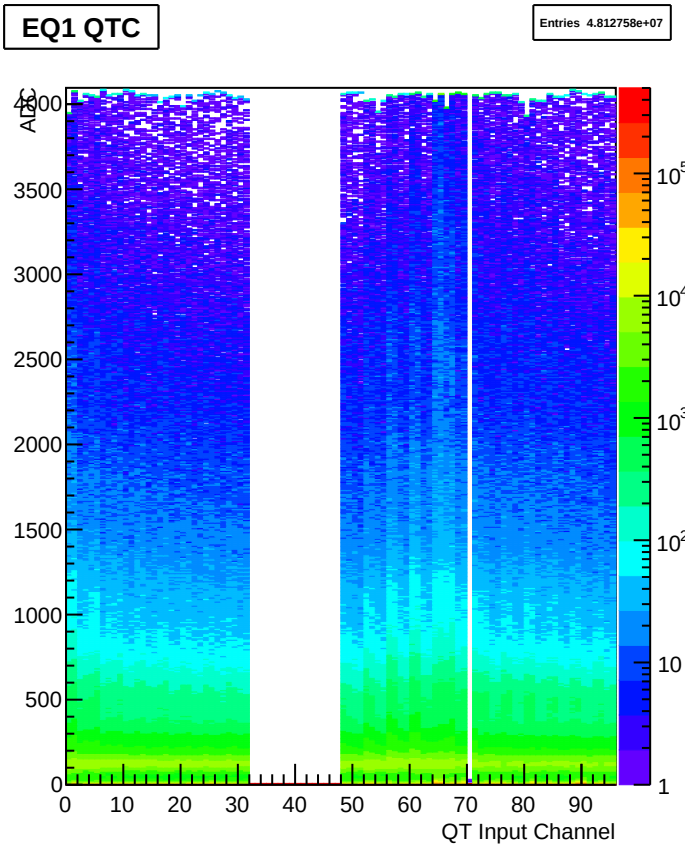

BBQ-VP001 East
Entries 8021264
TADC
QT Input Channel

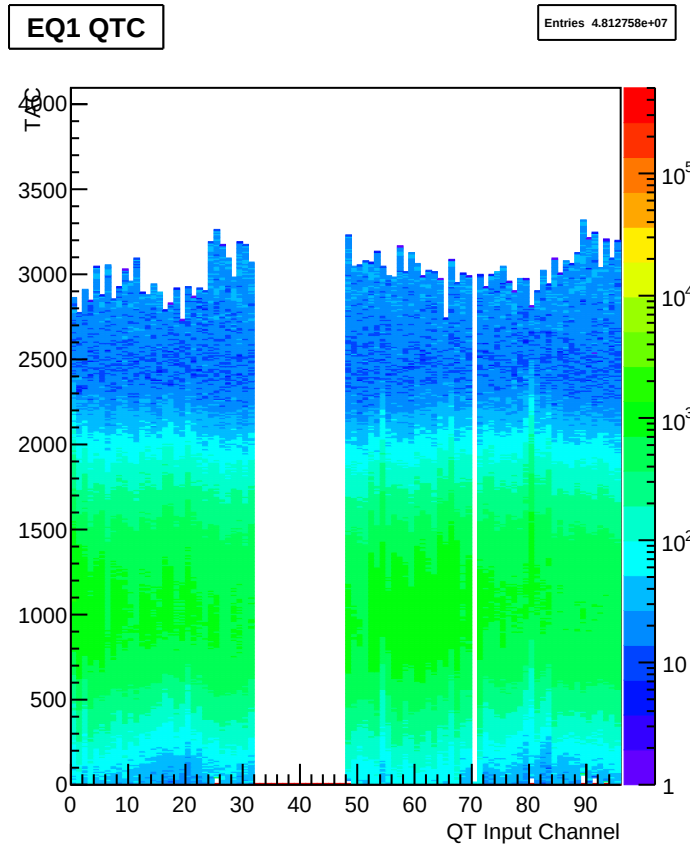

BBQ-VP002 West
Entries 8021264
ADC
QT Input Channel

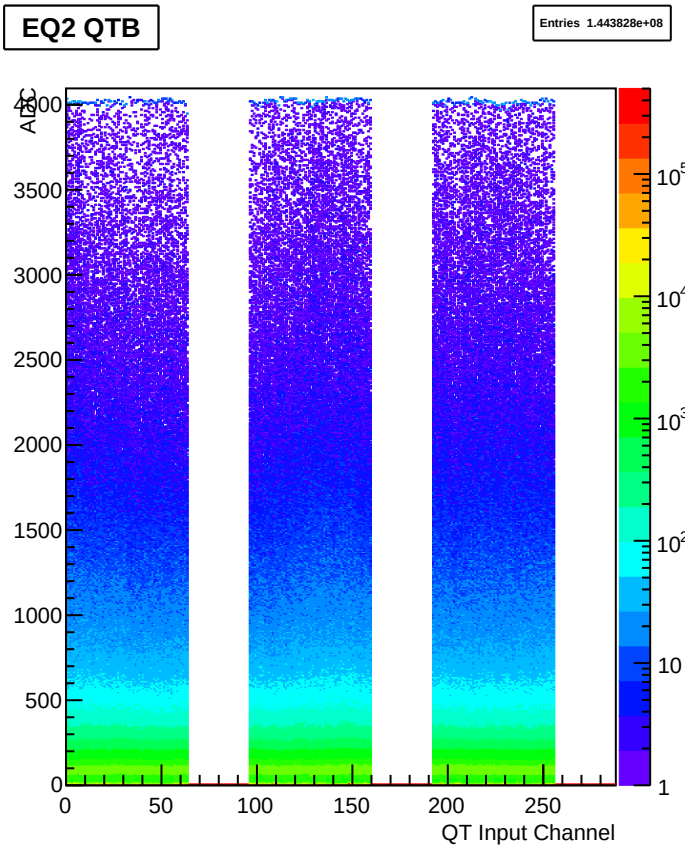

BBQ-VP002 West
Entries 8021264
TADC
QT Input Channel

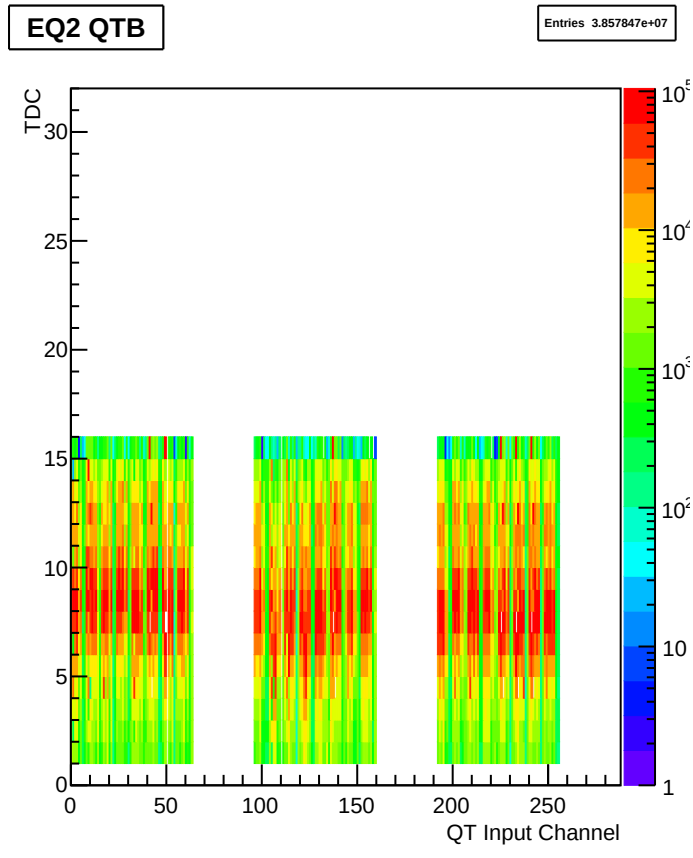

EQ1 QTB
Entries 1.443828e+08
ADC
QT Input Channel

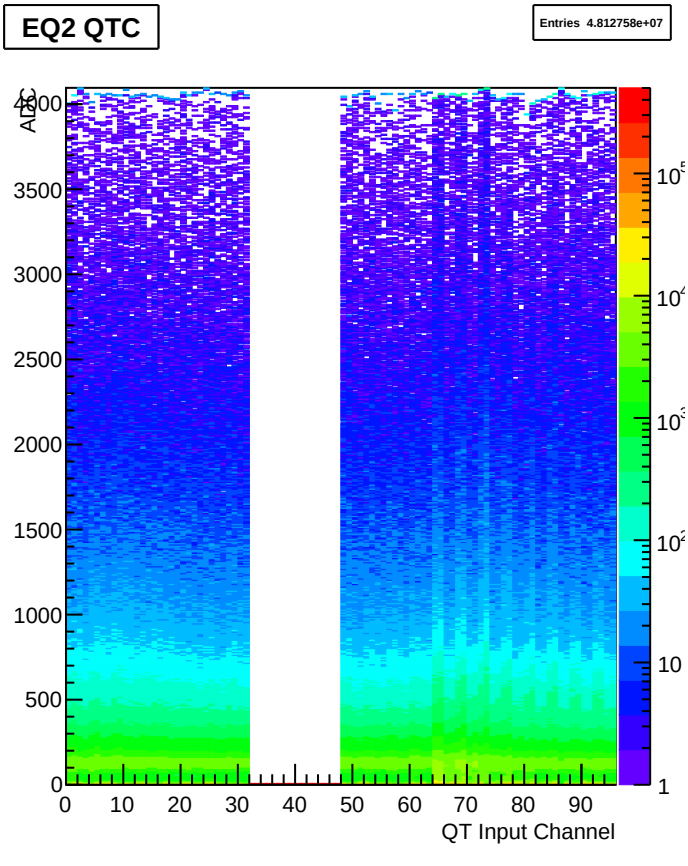

EQ1 QTB
Entries 5.203145e+07
TDC
QT Input Channel

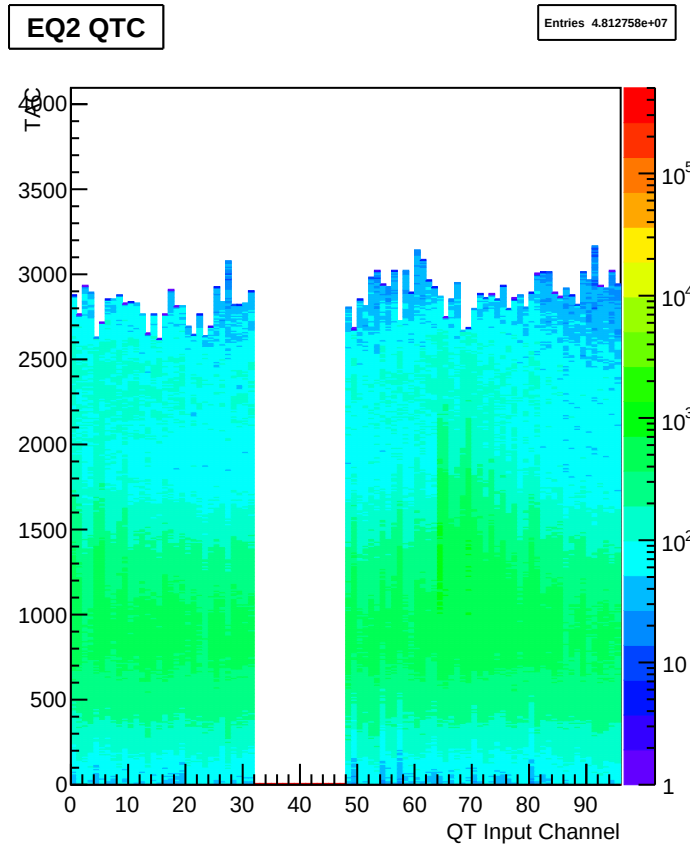

EQ1 QTC
Entries 4.812758e+07
ADC
QT Input Channel

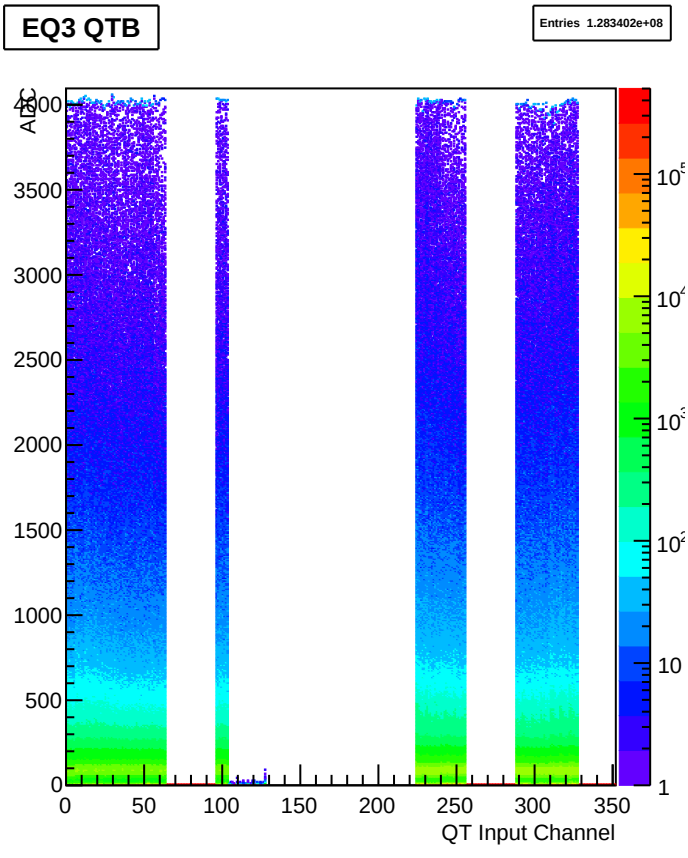

EQ1 QTC
Entries 4.812758e+07
TADC
QT Input Channel

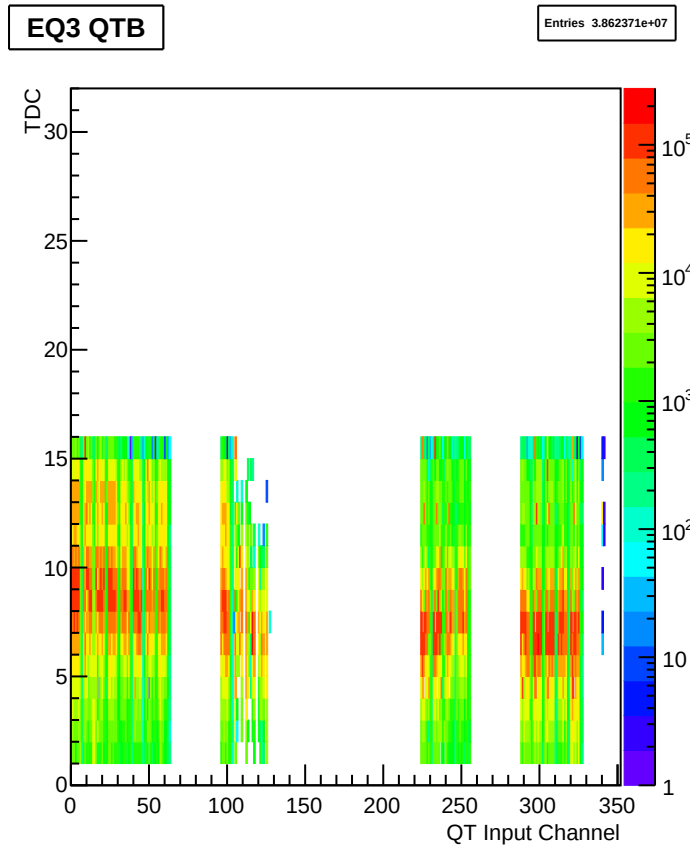

EQ2 QTB
Entries 1.443828e+08
ADC
QT Input Channel


EQ2 QTB
Entries 3.857847e+07
TDC
QT Input Channel


EQ2 QTC
Entries 4.812758e+07
ADC
QT Input Channel


EQ2 QTC
Entries 4.812758e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.283402e+08
ADC
QT Input Channel


EQ3 QTB
Entries 3.862371e+07
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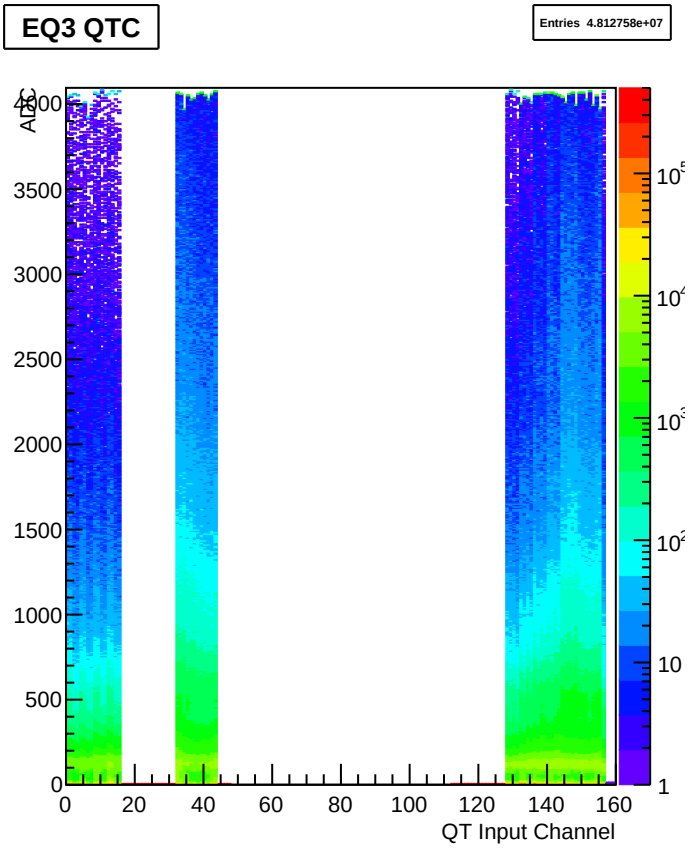
QT Input Channel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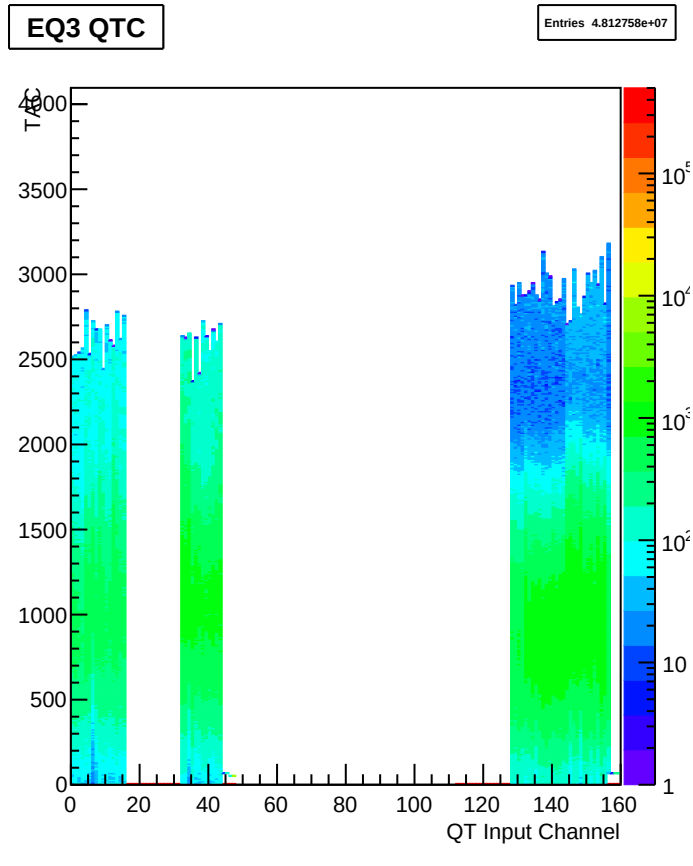
ADC
QT Input Channel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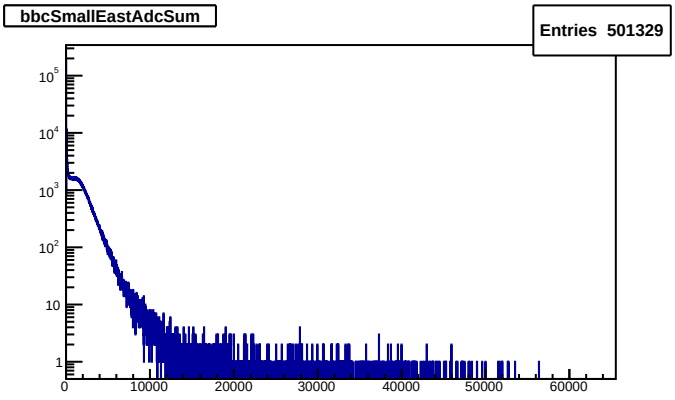
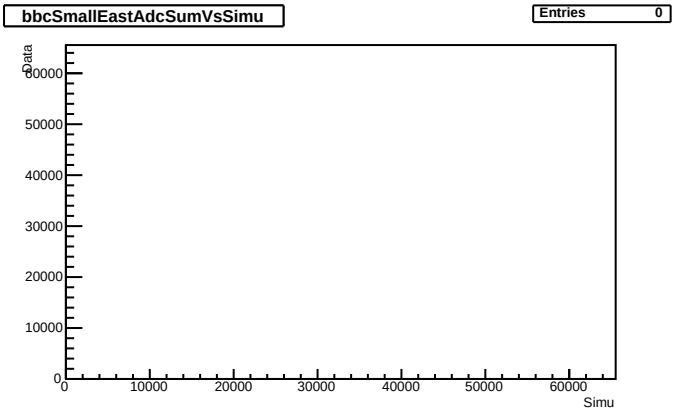
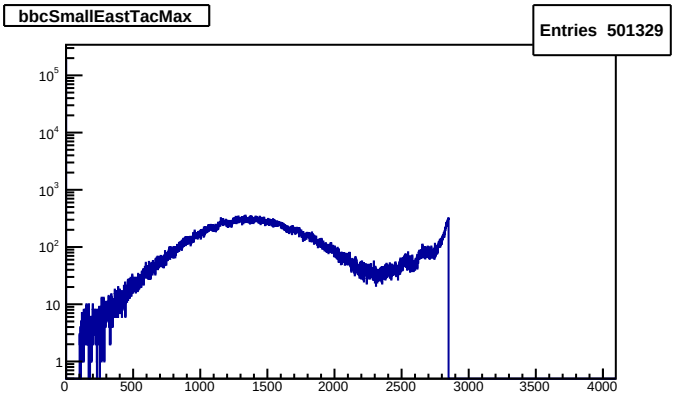
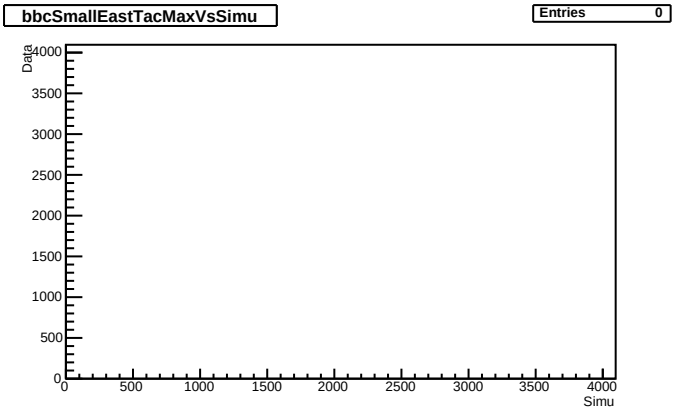
Entries 4.812758e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 501329


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 501329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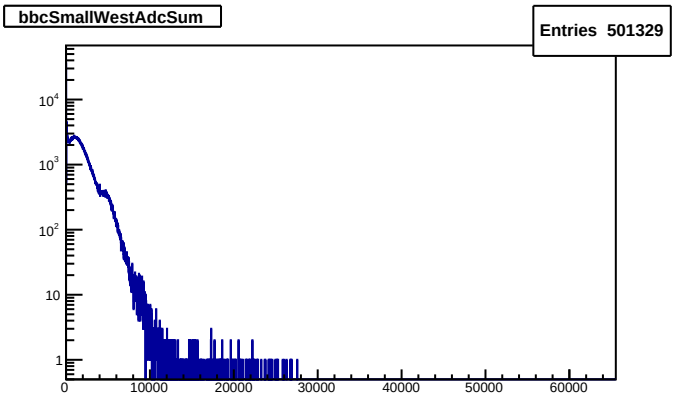
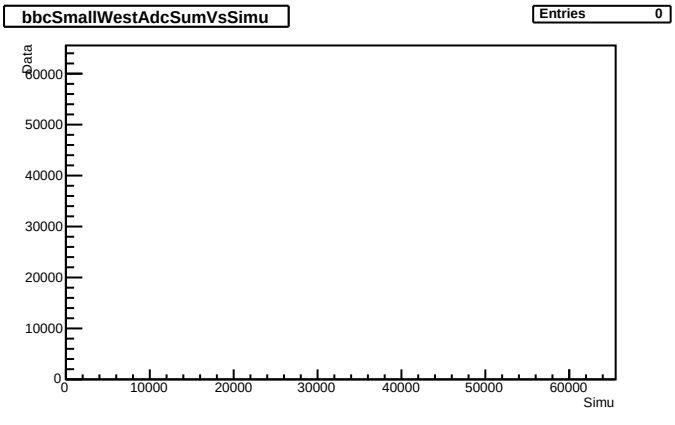

bbcSmallWestAdcSum
Entries 501329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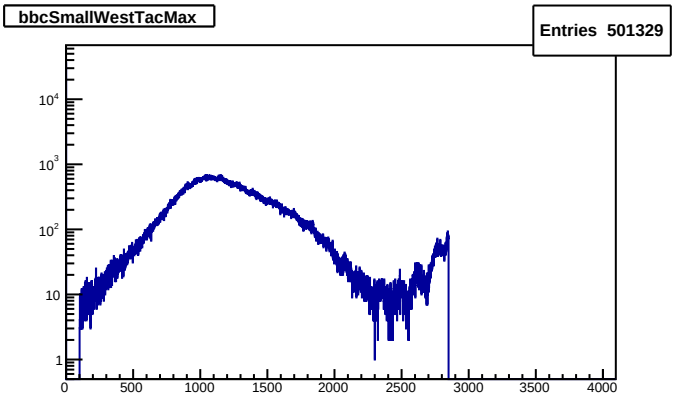
Entries 0
Data
Simu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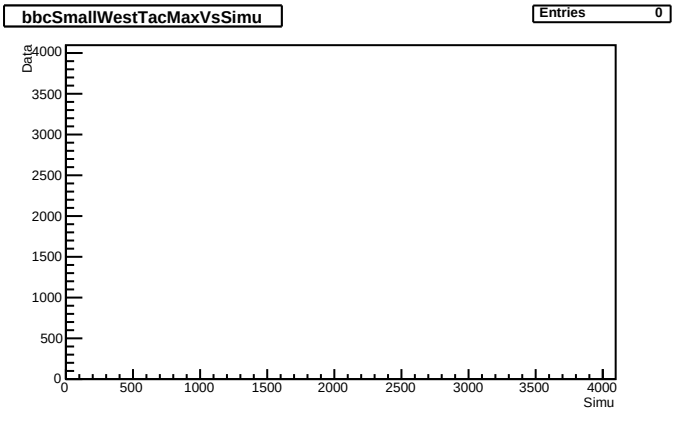
Entries 501329


bbcSmallWestTacMaxVsSimu
Entries 0
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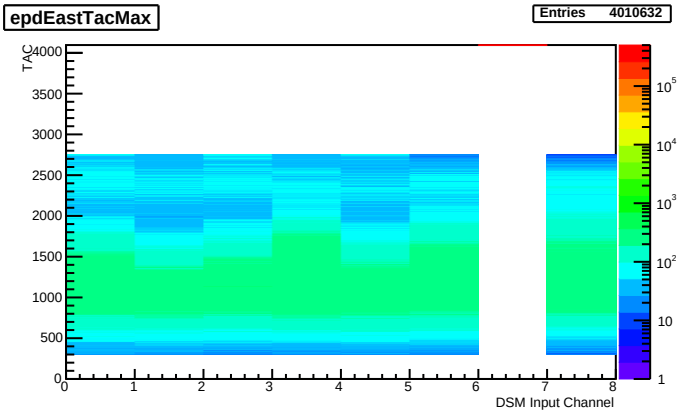
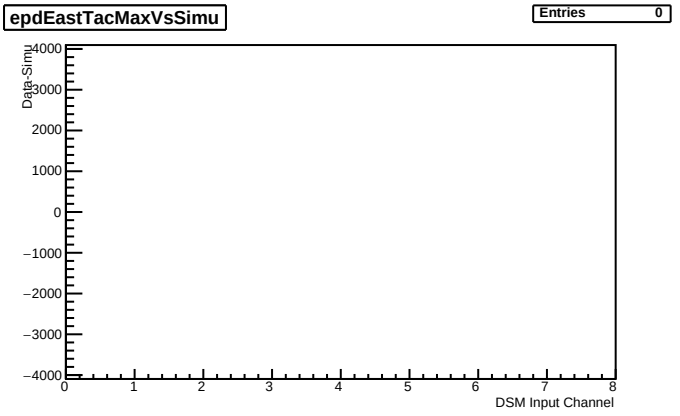
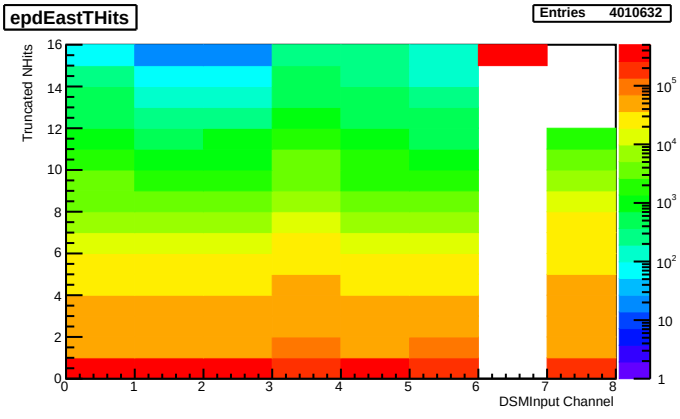
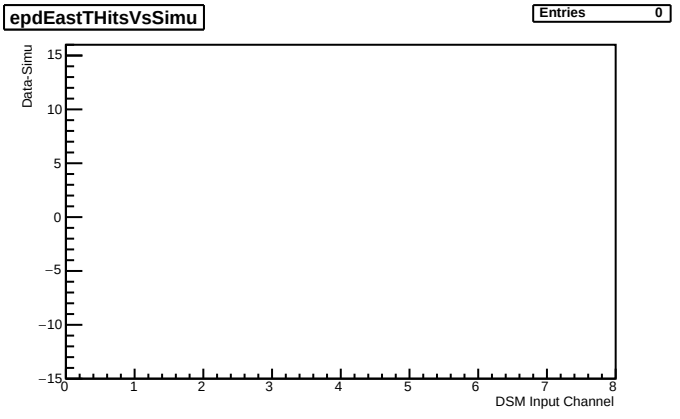
Simu


epdEastTacMax
Entries 4010632
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4010632
Truncated NHits
DSMInput Channel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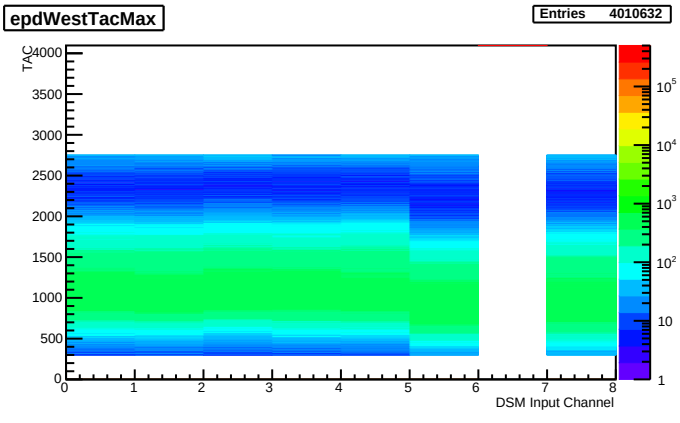
Entries 0
Data-Simu
DSM Input Channel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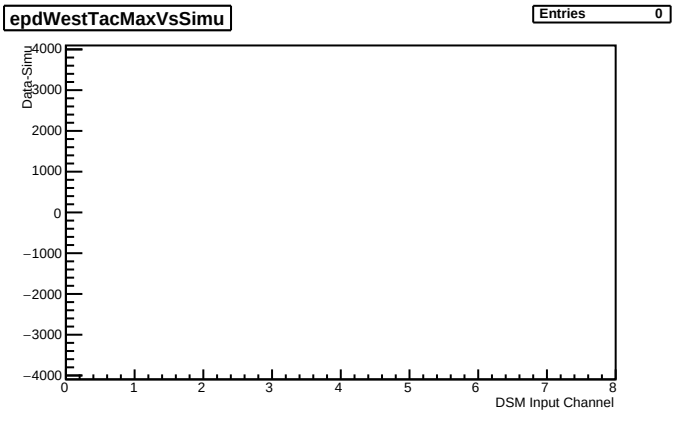
Entries 4010632
TAC
DSM Input Channel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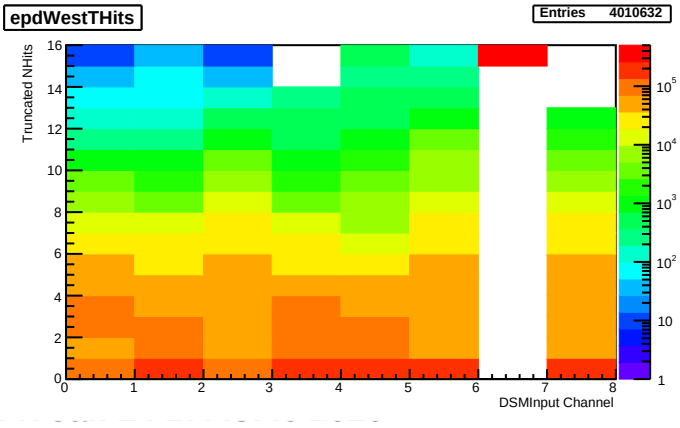
DSM Input Channel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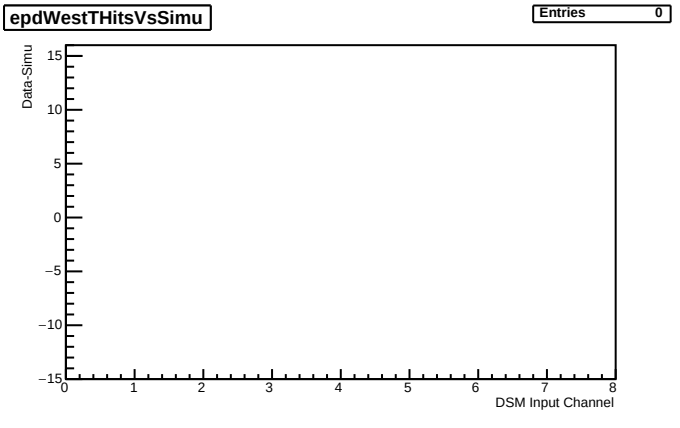
Entries 4010632
Truncated NHits
DSMInput Channel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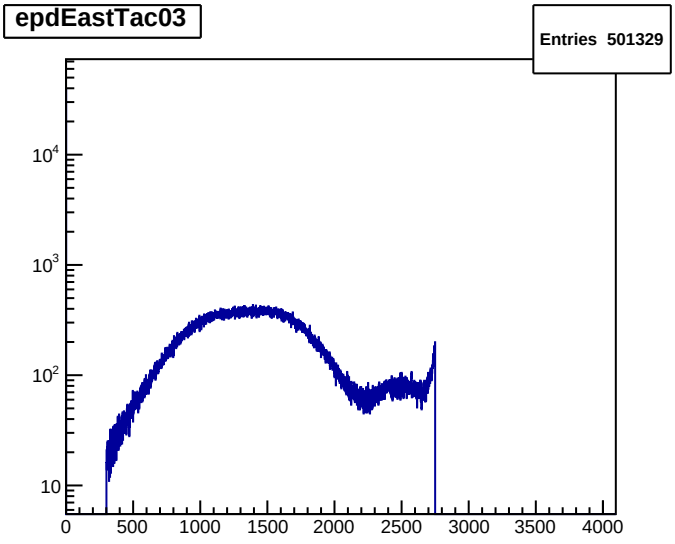
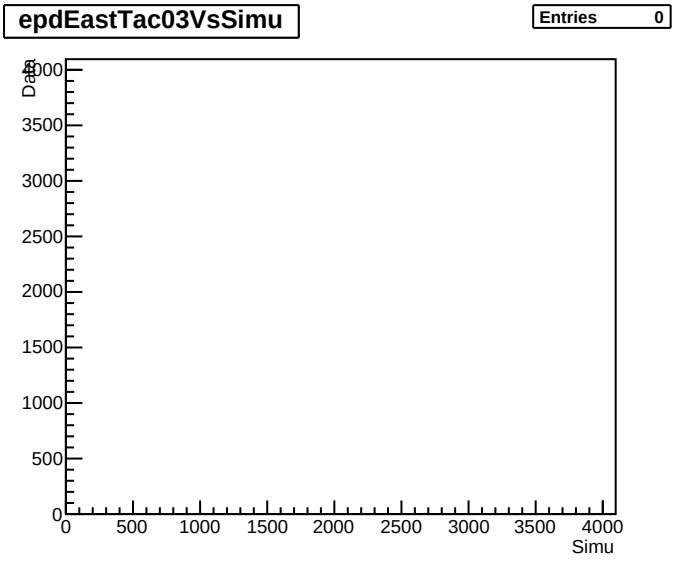
DSM Input Channel


epdEastTac03
Entries 501329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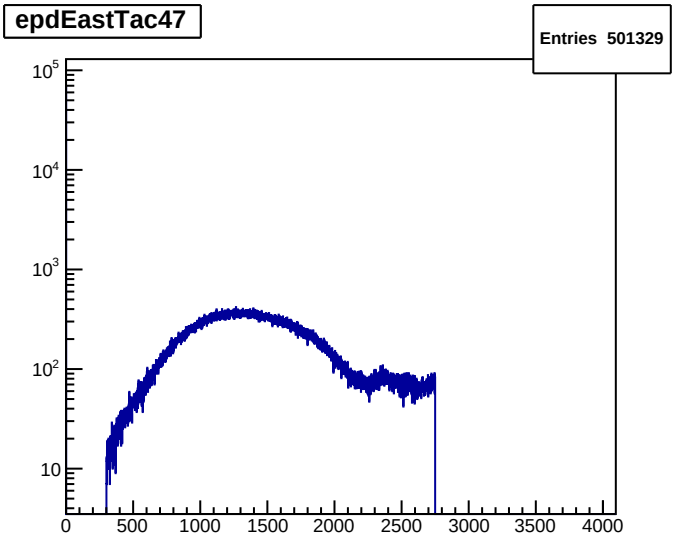
Entries 0
Data
Simu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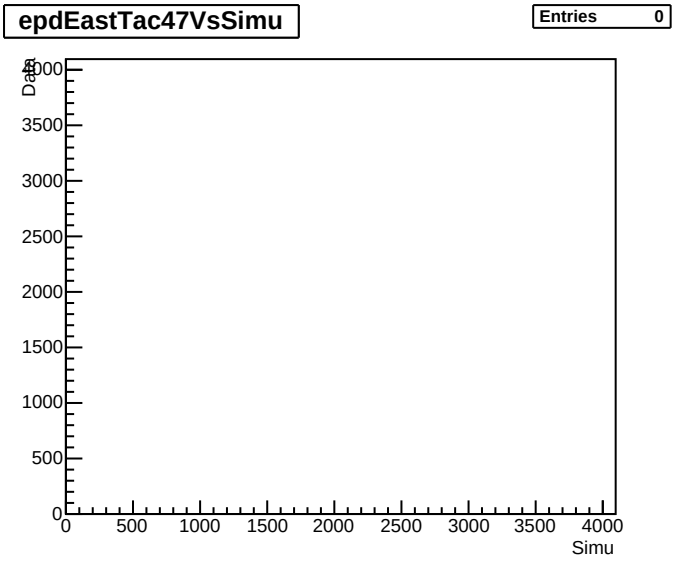
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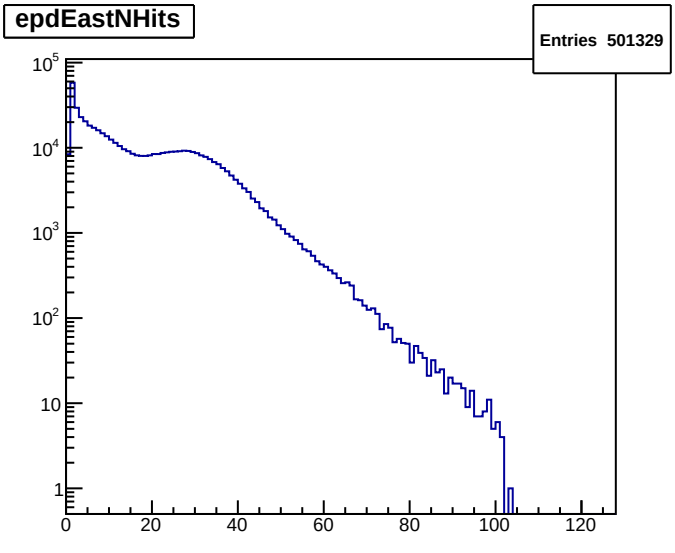
Entries 0
Data
Simu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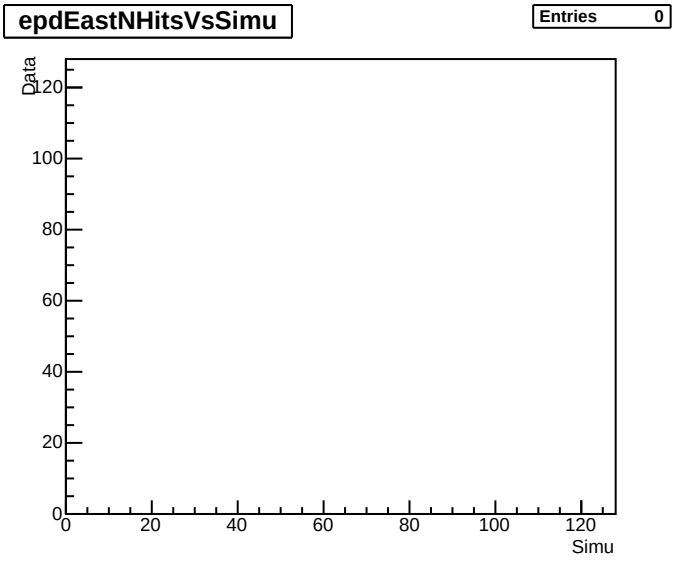
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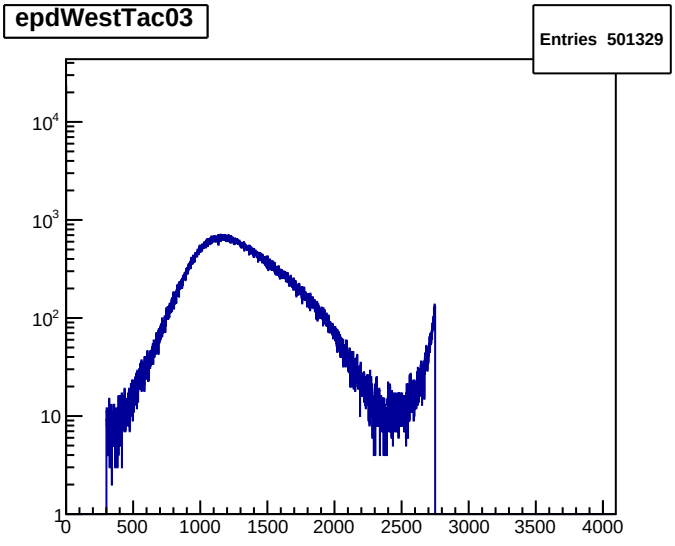
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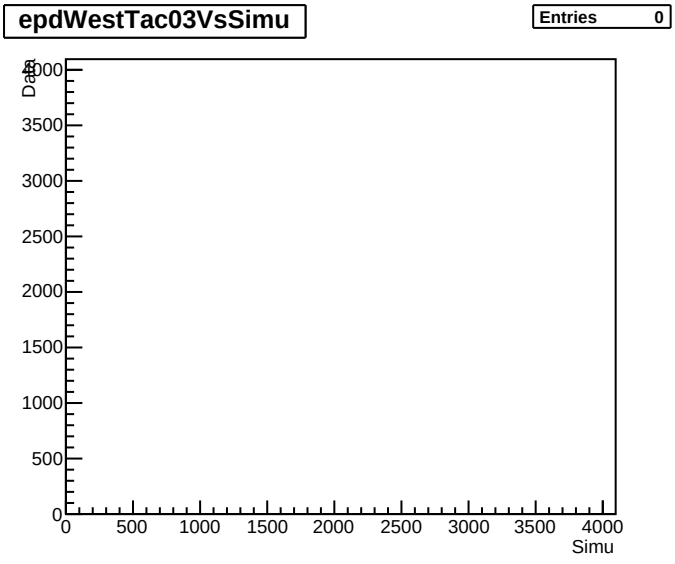
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Entries 0
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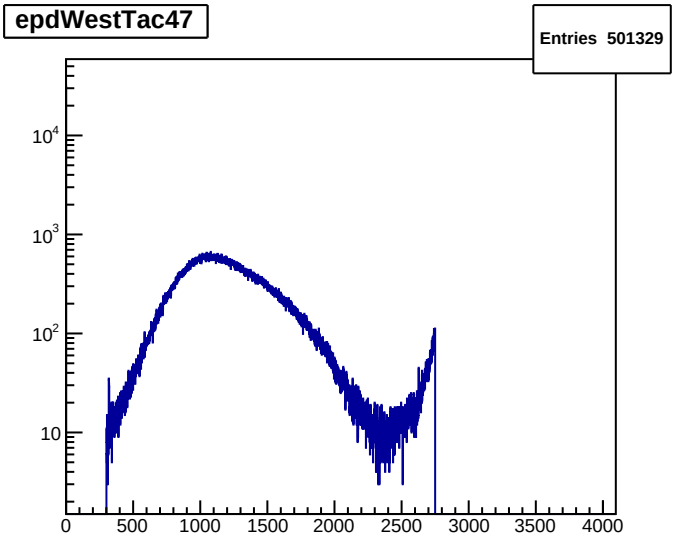
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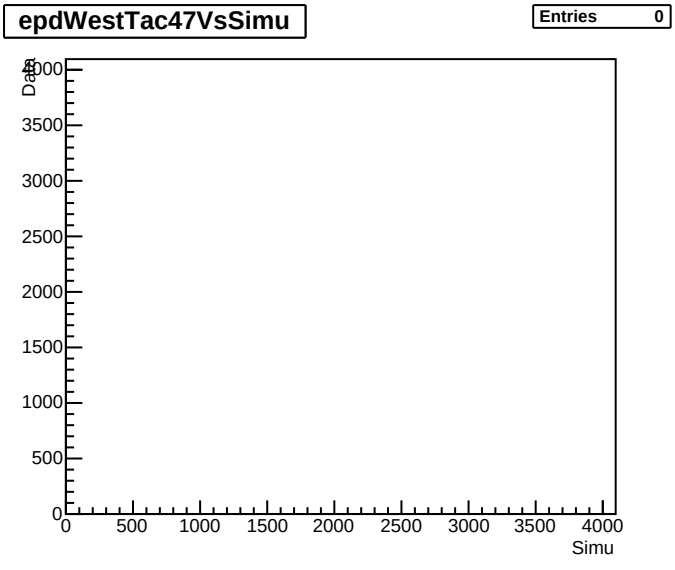
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Entries 0
Data
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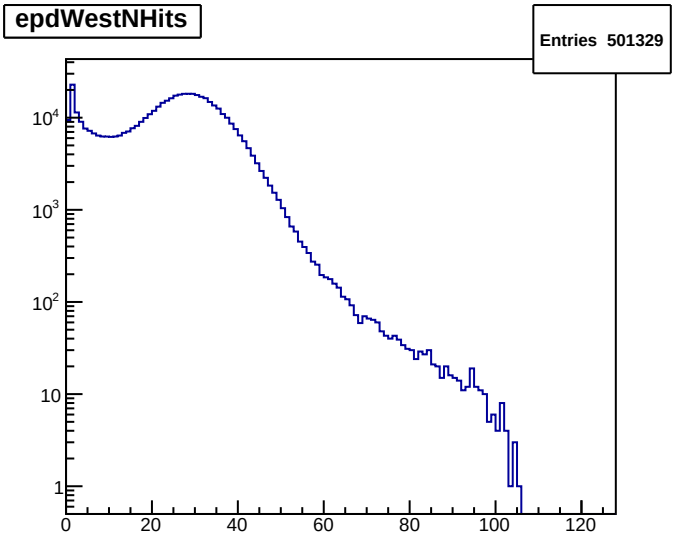
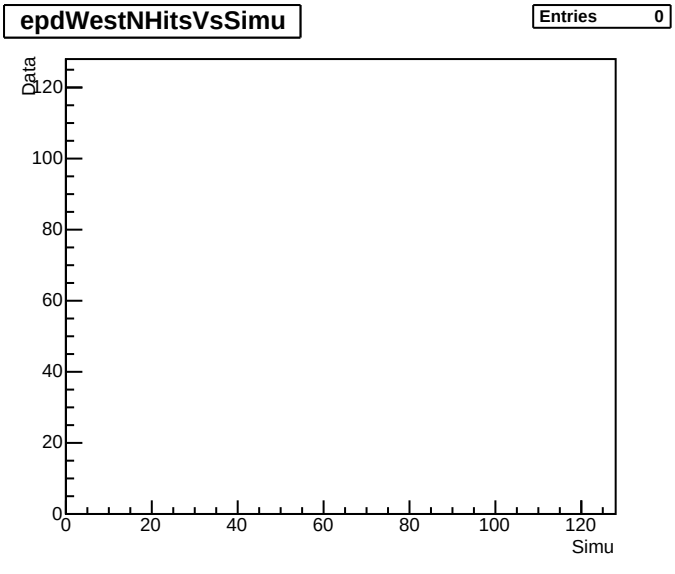
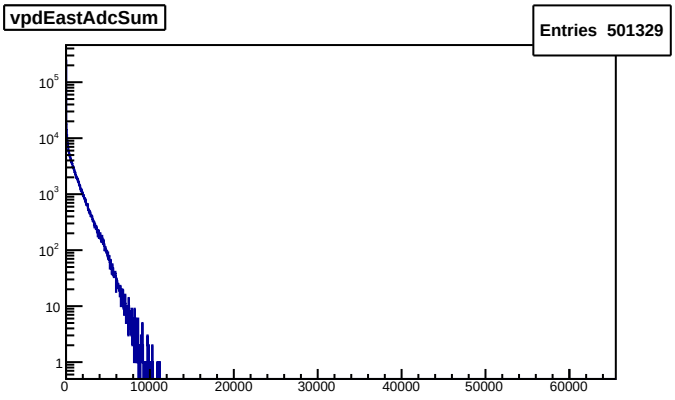
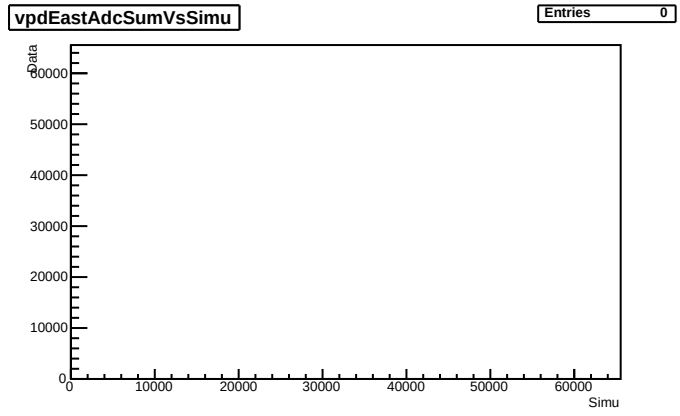
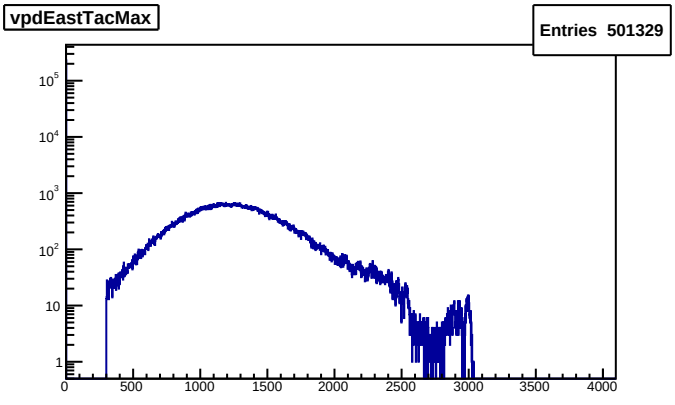
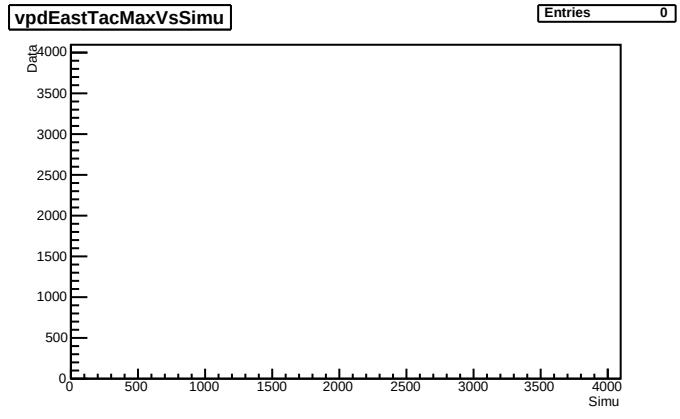

epdWestNHits
Entries 501329


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 501329


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 501329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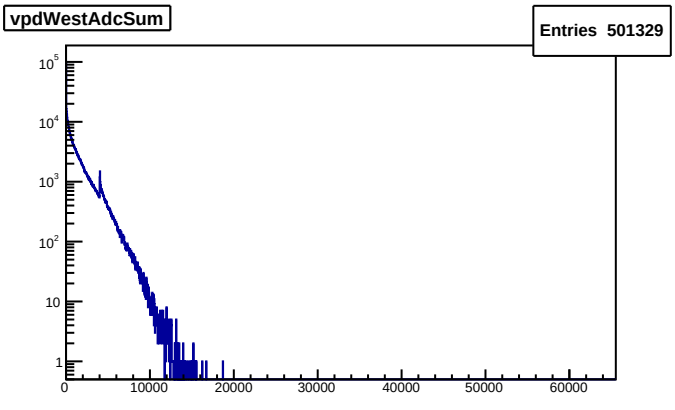
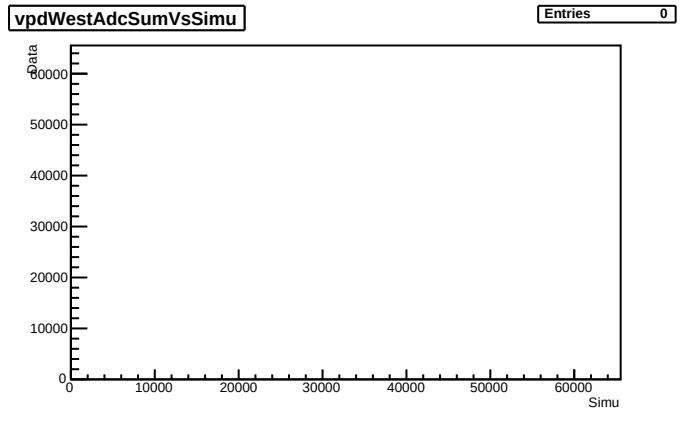
Entries 0
Data
Simu


vpdWestAdcSum
Entries 501329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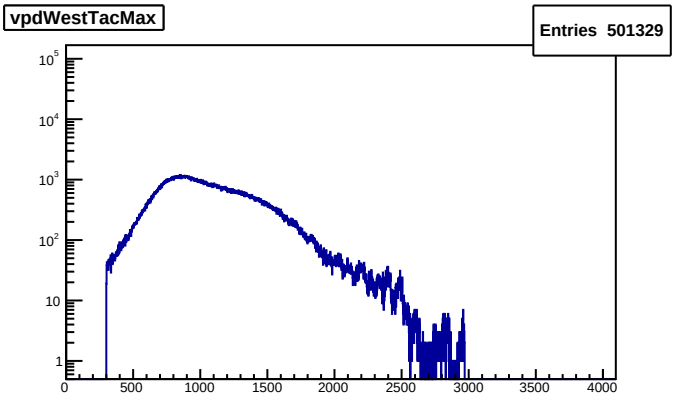
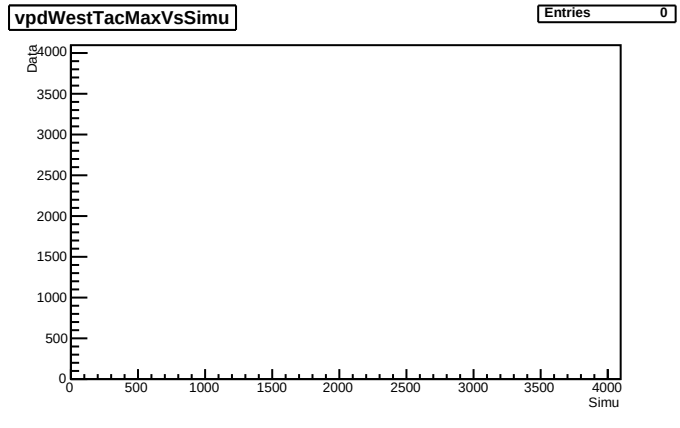
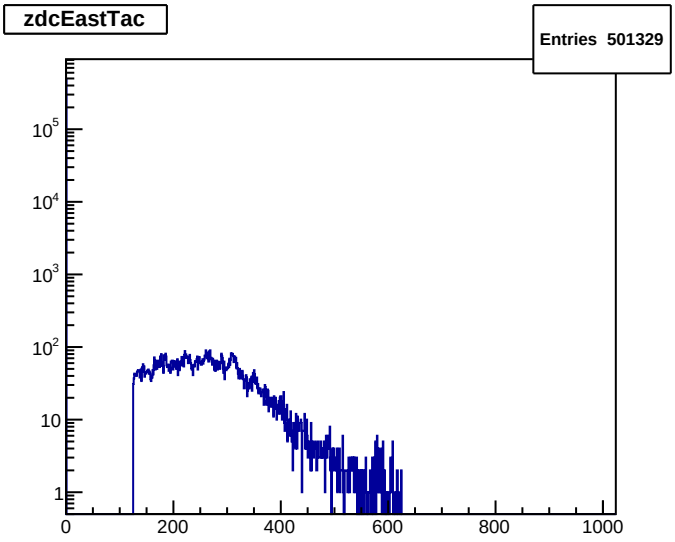
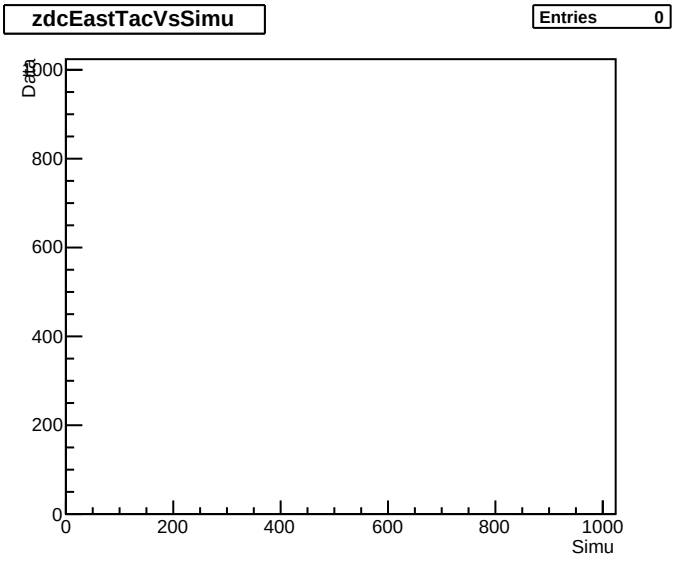
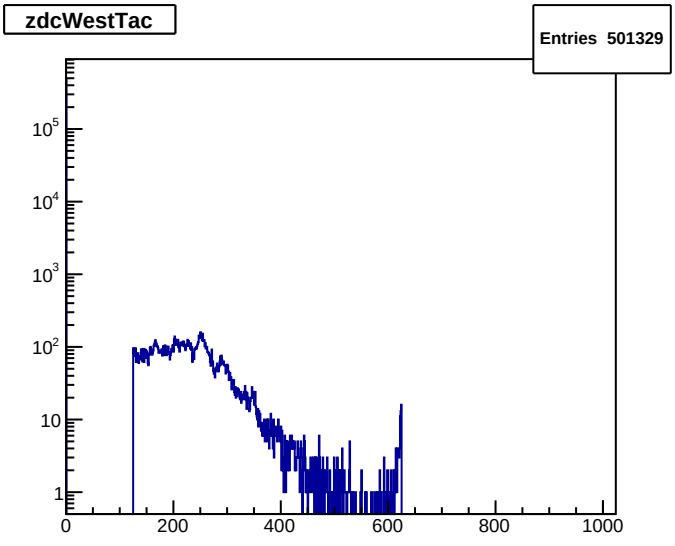
Entries 0
Data
Simu

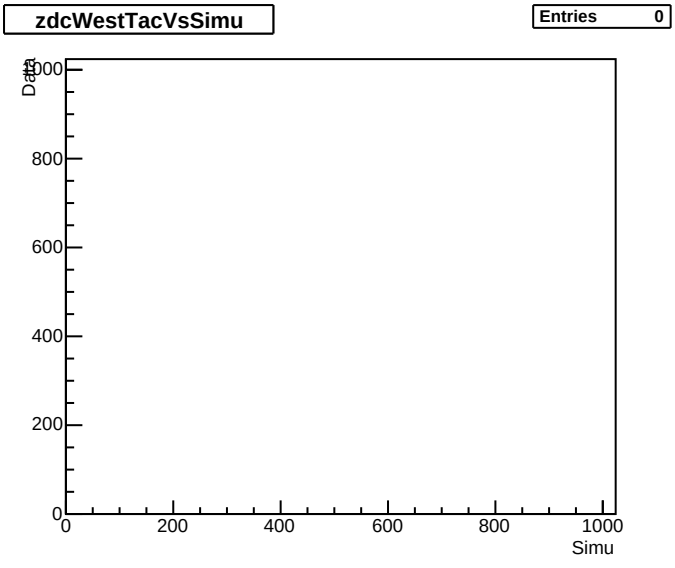

vpdWestTacMax
Entries 501329

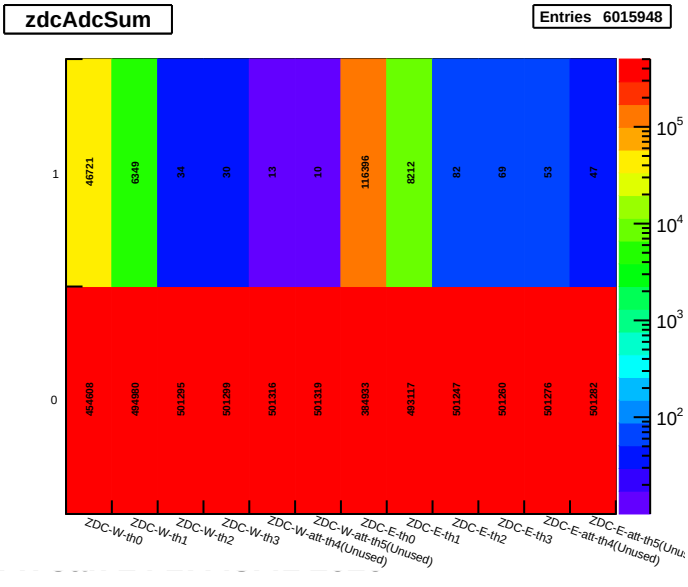

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 501329


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 501329


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 6015948
46721
6349
34
30
13
10
116396
8212
82
69
53
47
454608
494880
501295
501299
501316
501319
384933
493117
501247
501260
501276
501282
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
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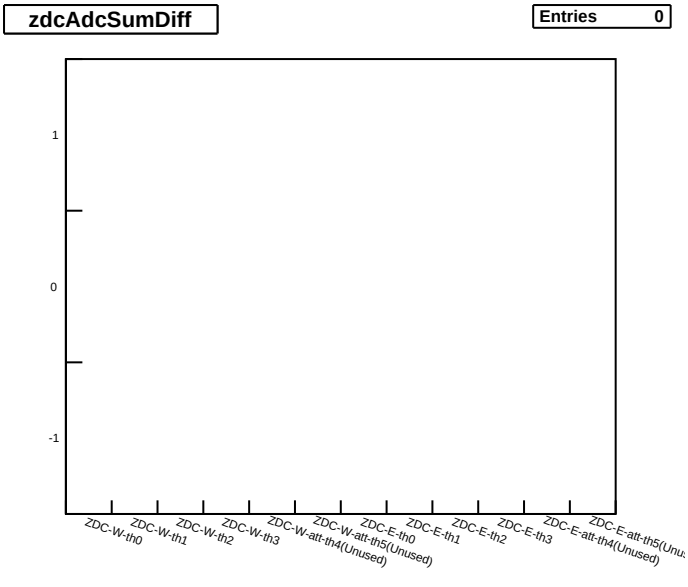
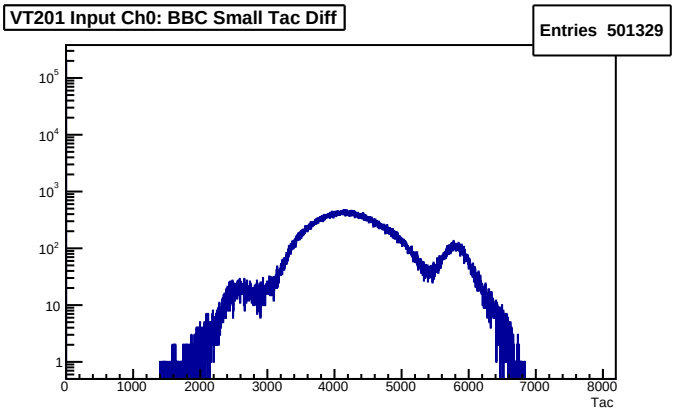
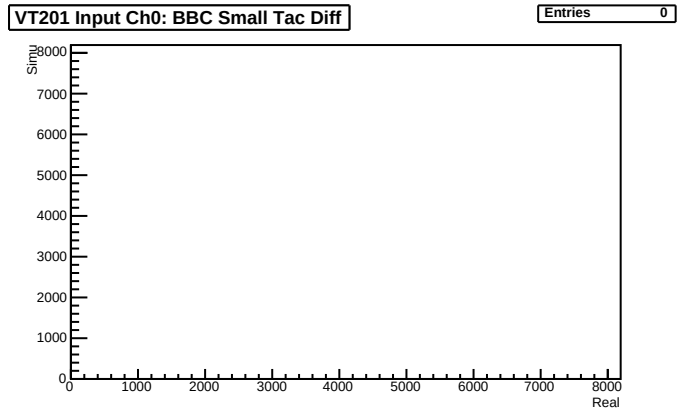
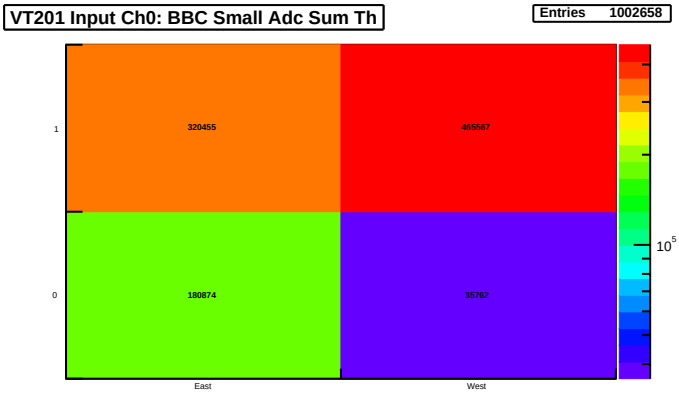
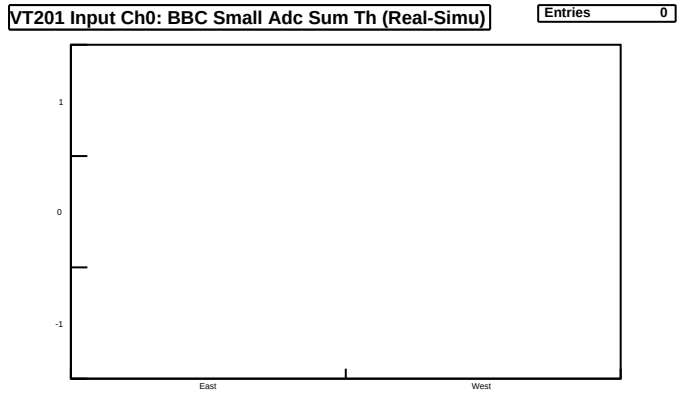
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

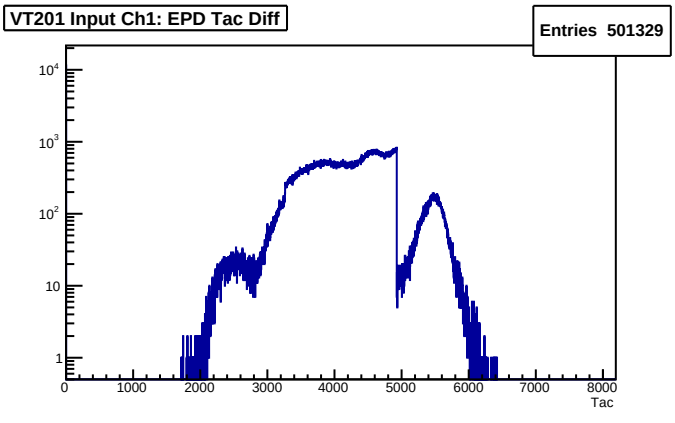

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

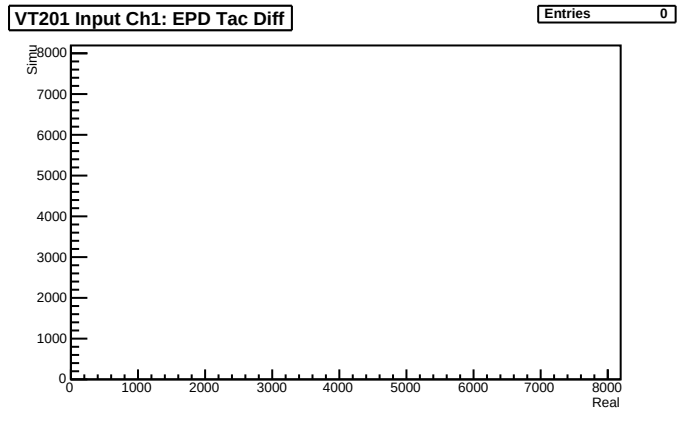

VT201 Input Ch0: BBC Small Tac Diff
Entries 501329
Tac

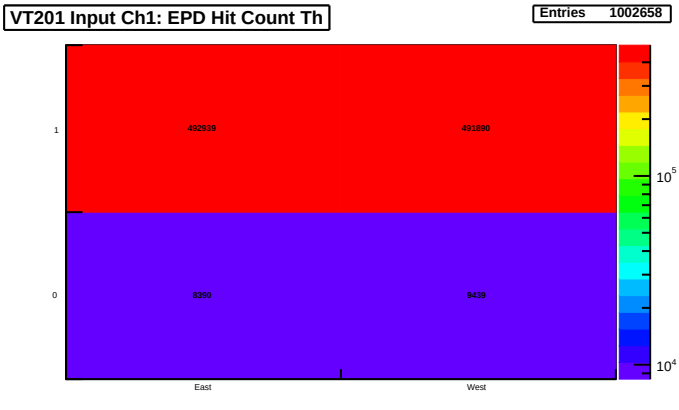

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

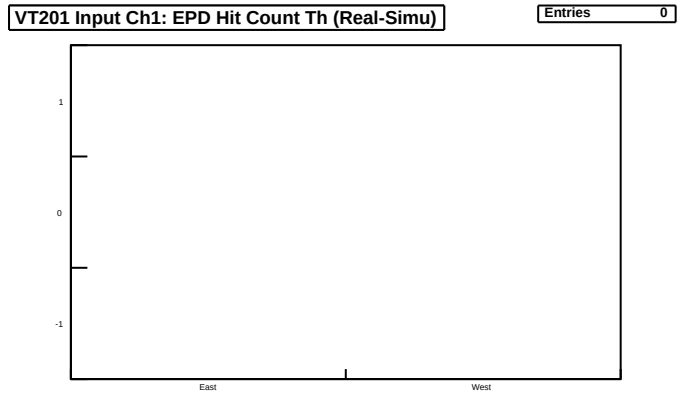

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1002658
320455
465567
180874
35762
East
West

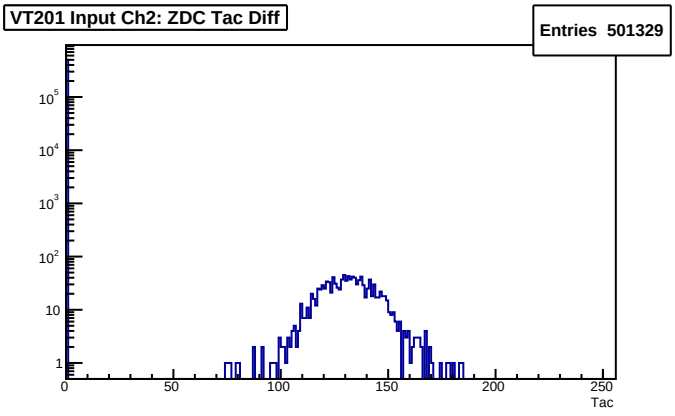

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

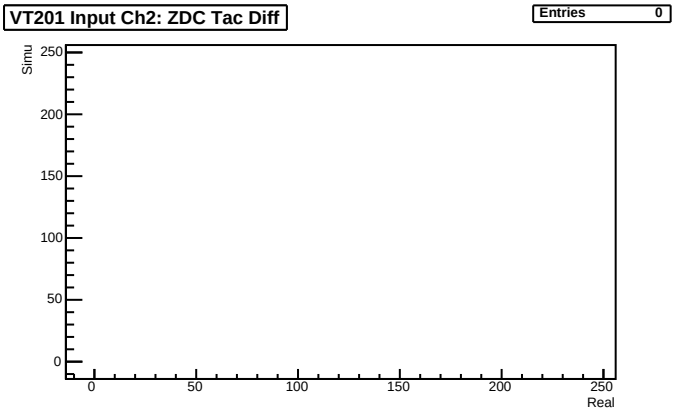

VT201 Input Ch1: EPD Tac Diff
Entries 501329
Tac

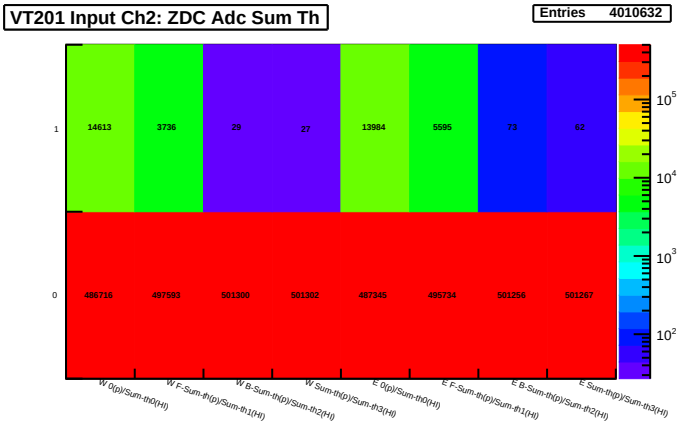

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

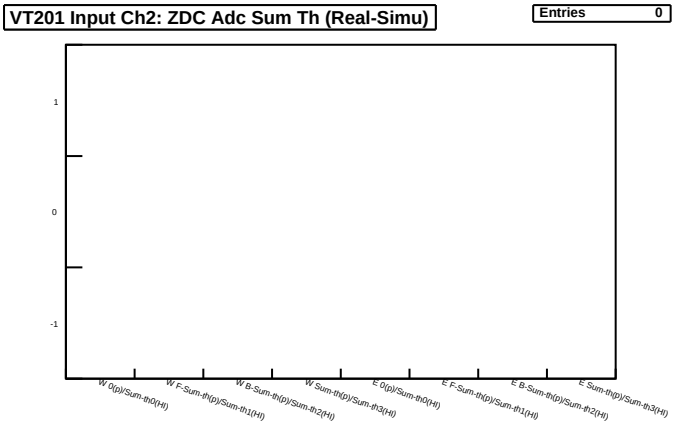

VT201 Input Ch1: EPD Hit Count Th
Entries 1002658
492939
491890
8390
9439
East
West

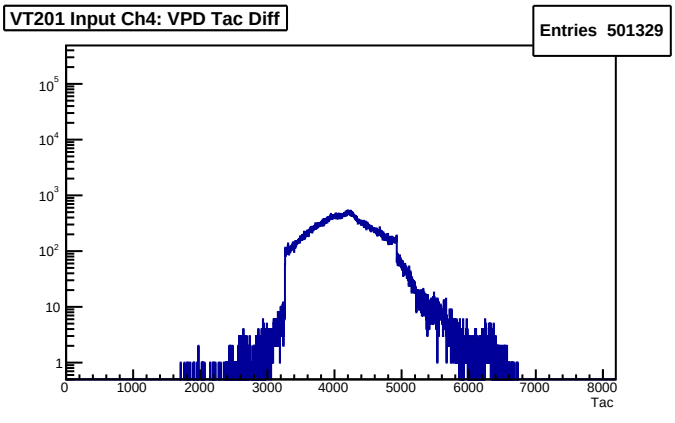

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

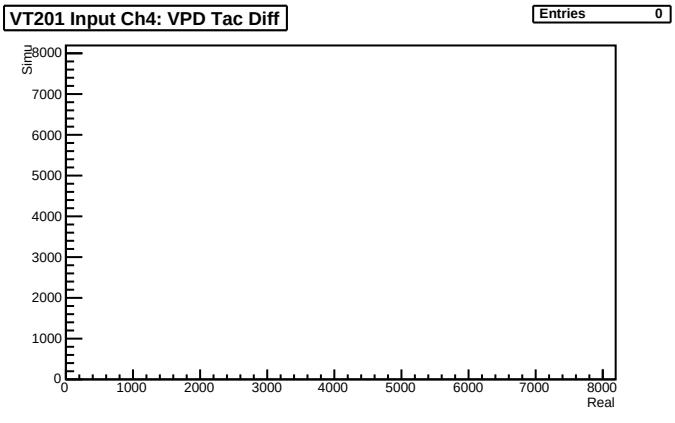

VT201 Input Ch2: ZDC Tac Diff
Entries 501329
Tac

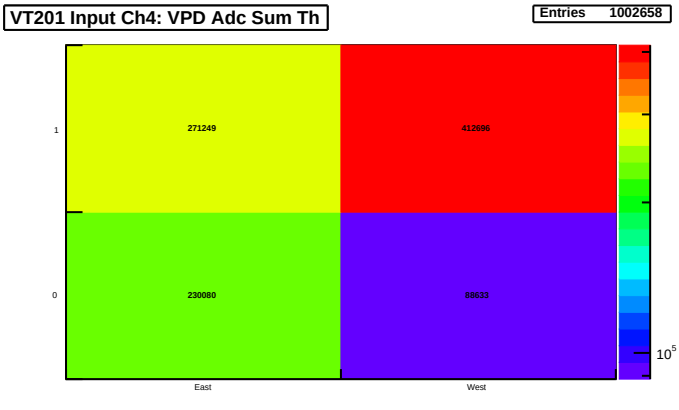

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

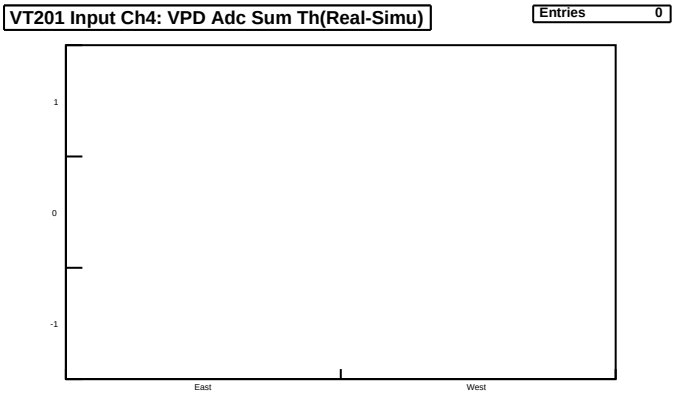

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4010632
14613
3736
29
27
13984
5595
73
62
486716
497593
501300
501302
487345
495734
501256
501267
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

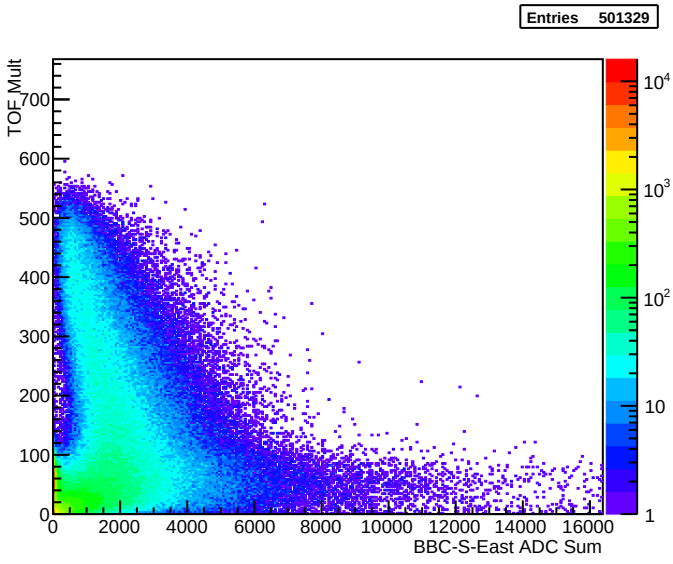

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

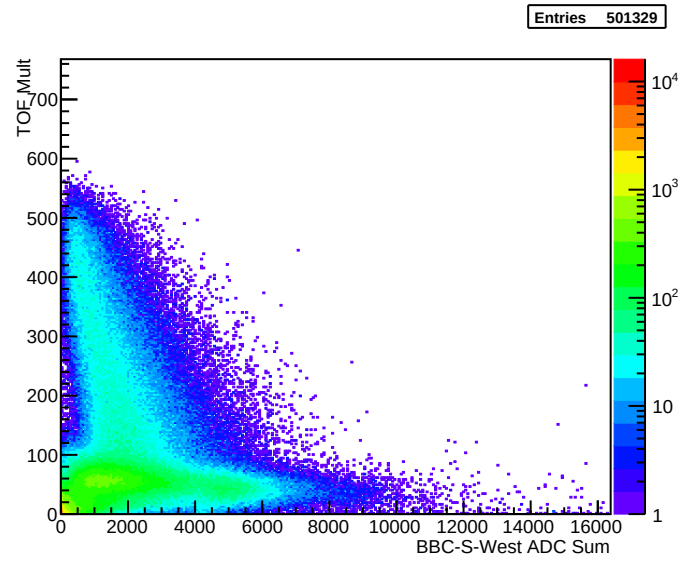

VT201 Input Ch4: VPD Tac Diff
Entries 501329
Tac

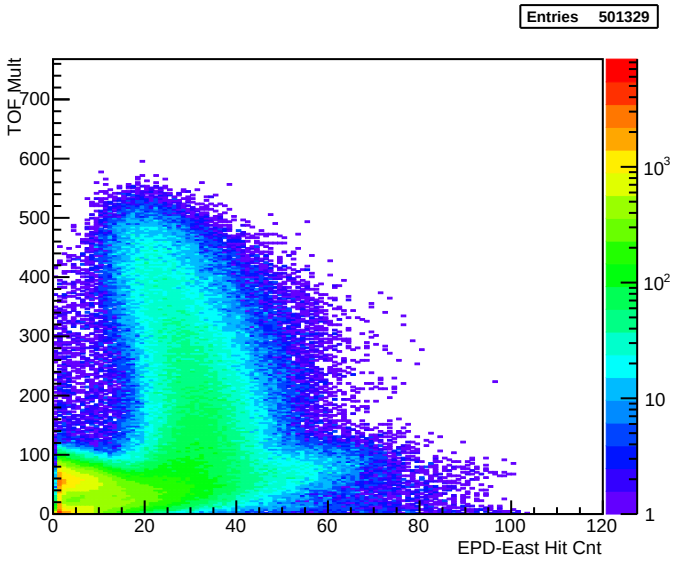

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

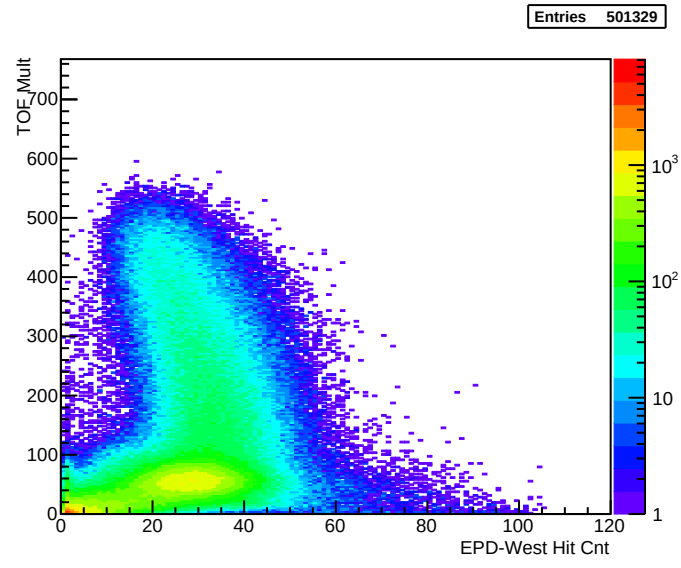

VT201 Input Ch4: VPD Adc Sum Th
Entries 1002658
271249
412696
230080
88633
East
West

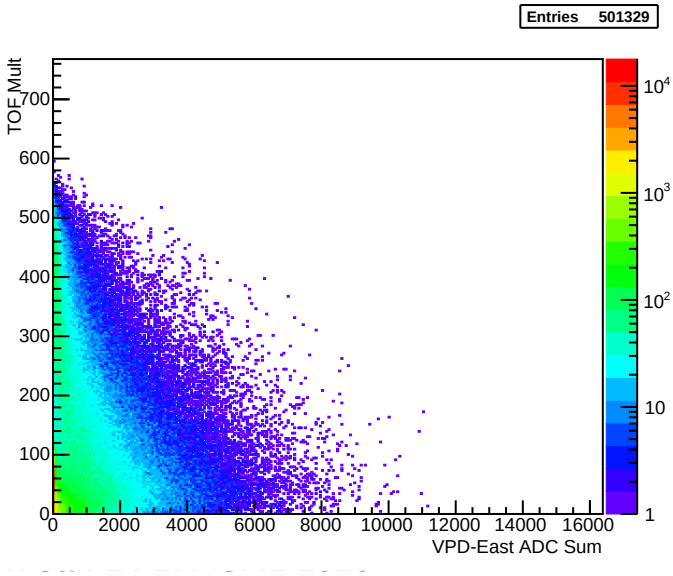

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

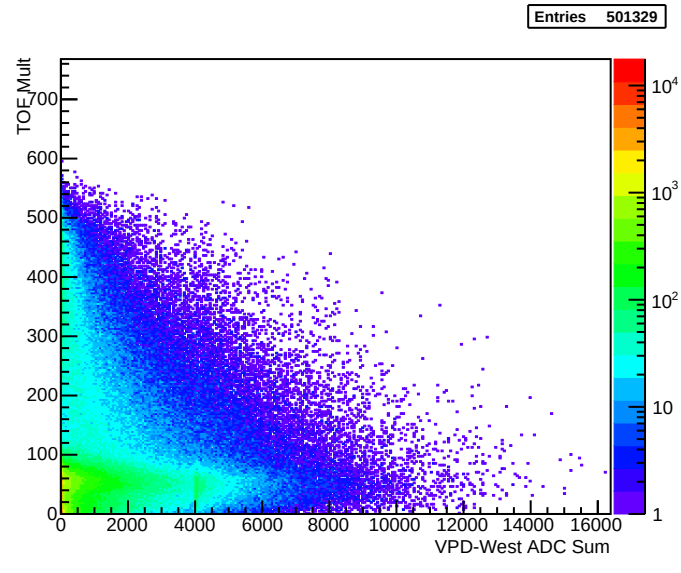

Entries 501329
TOF_Mult
BBC-S-East ADC Sum

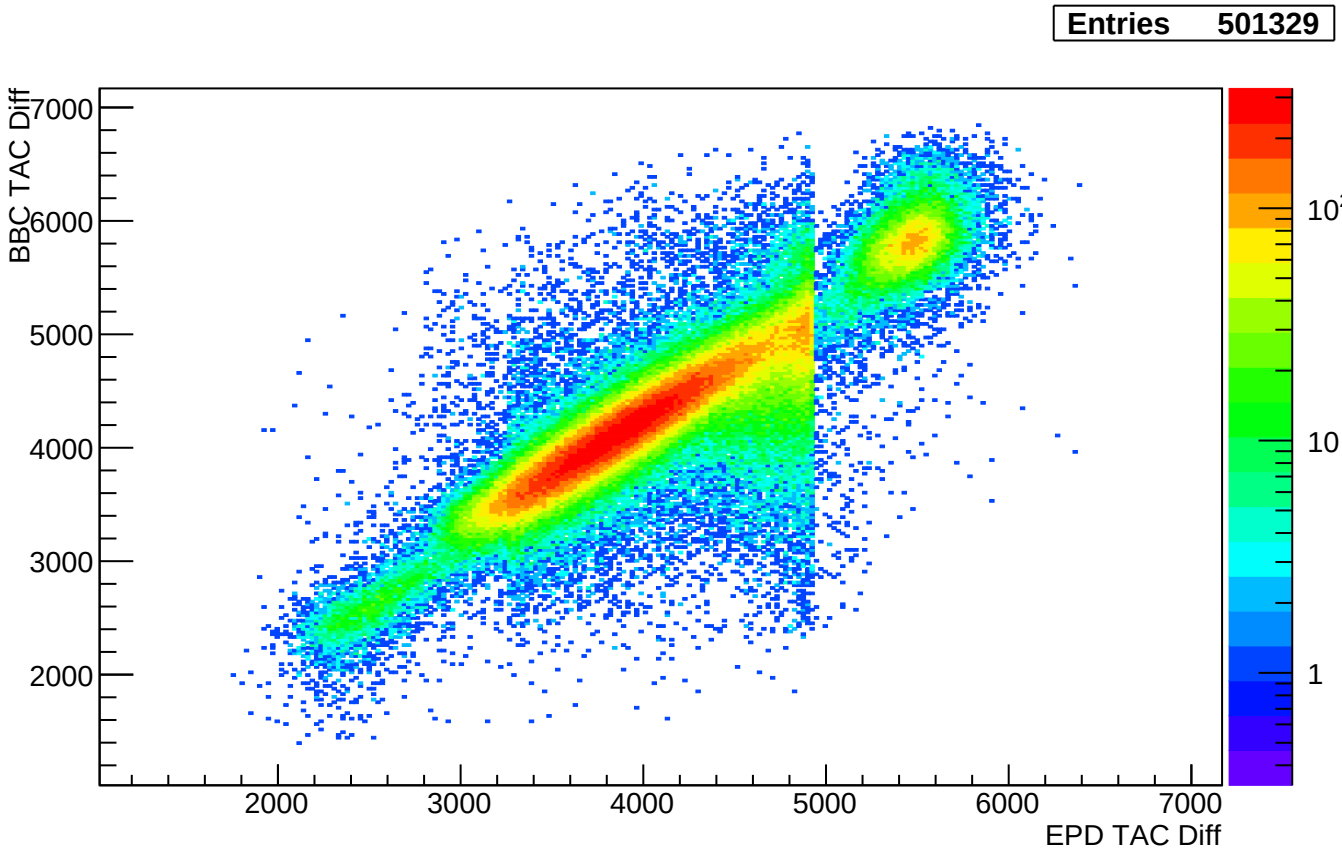

Entries 501329
TOF_Mult
BBC-S-West ADC Sum

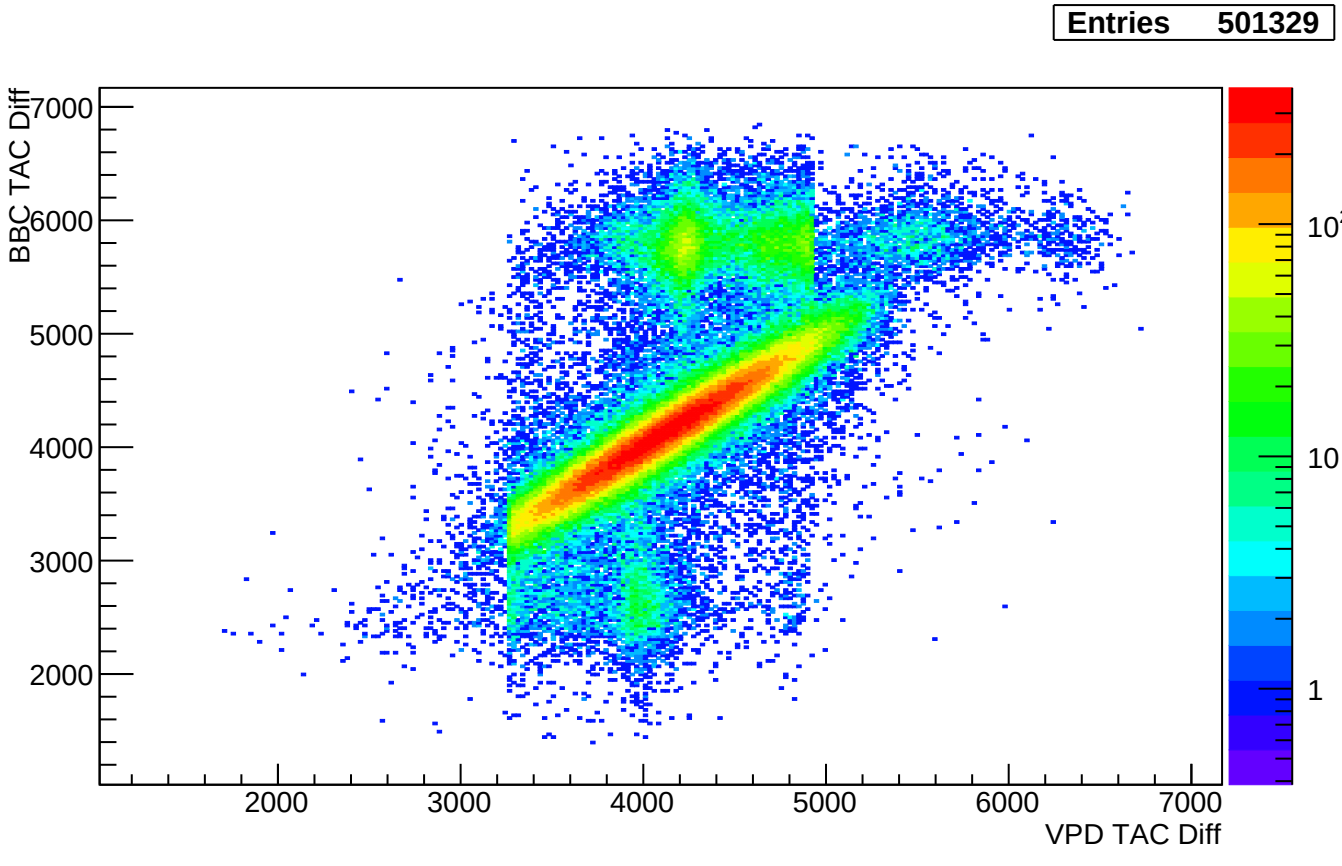

Entries 501329
TOF_Mult
EPD-East Hit Cnt

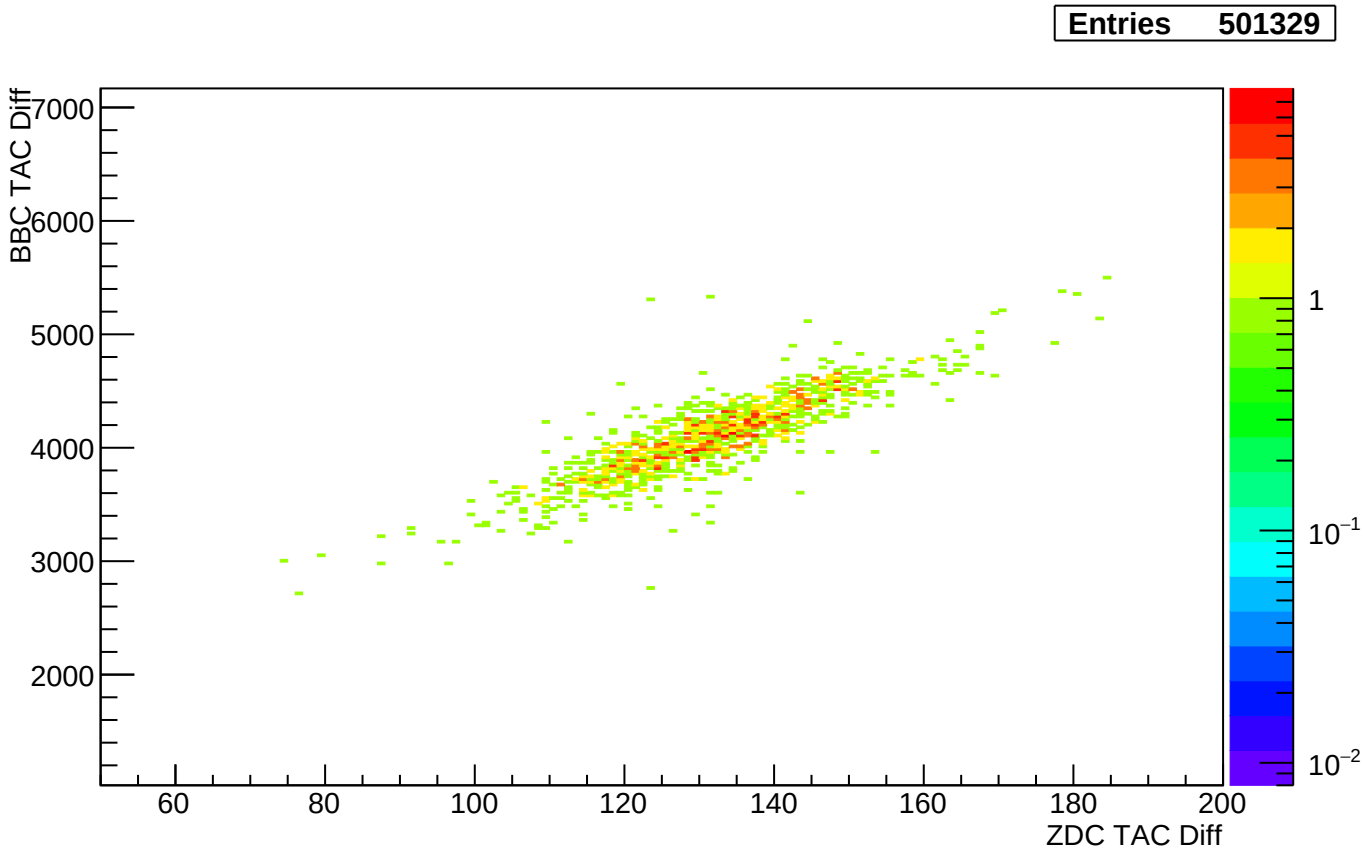

Entries 501329
TOF_Mult
EPD-West Hit Cnt

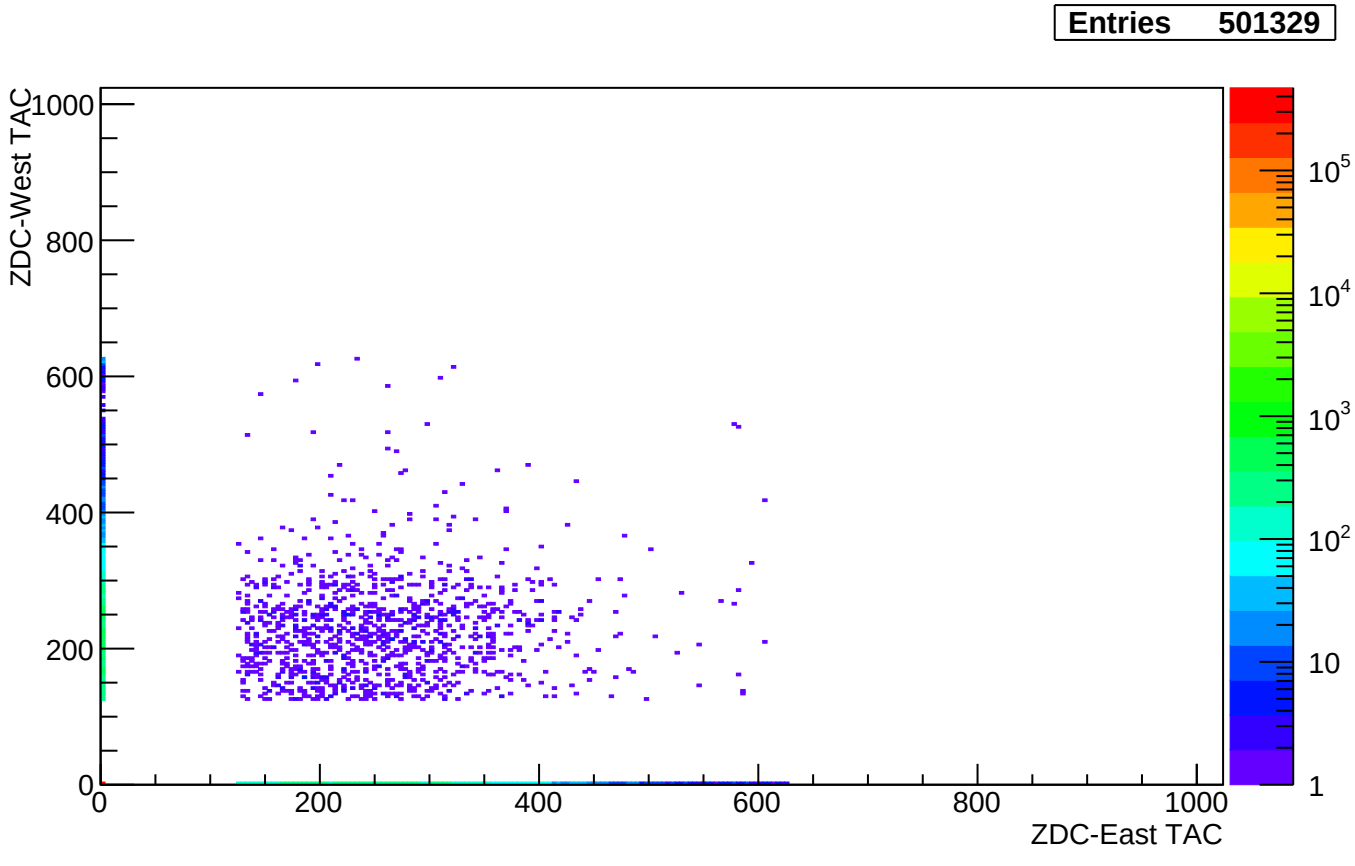

Entries 501329
TOF_Mult
VPD-East ADC Sum

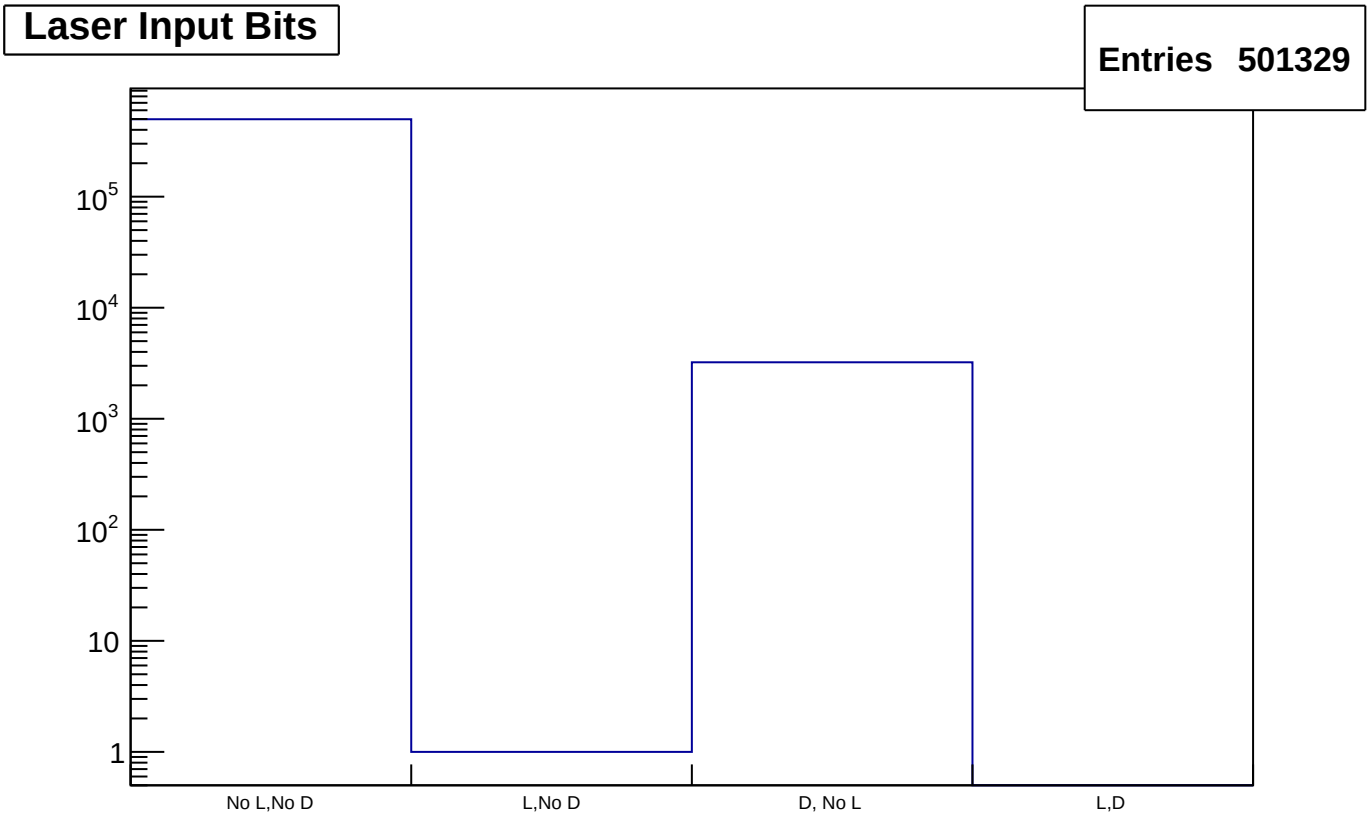

Entries 501329
TOF_Mult
VPD-West ADC Sum

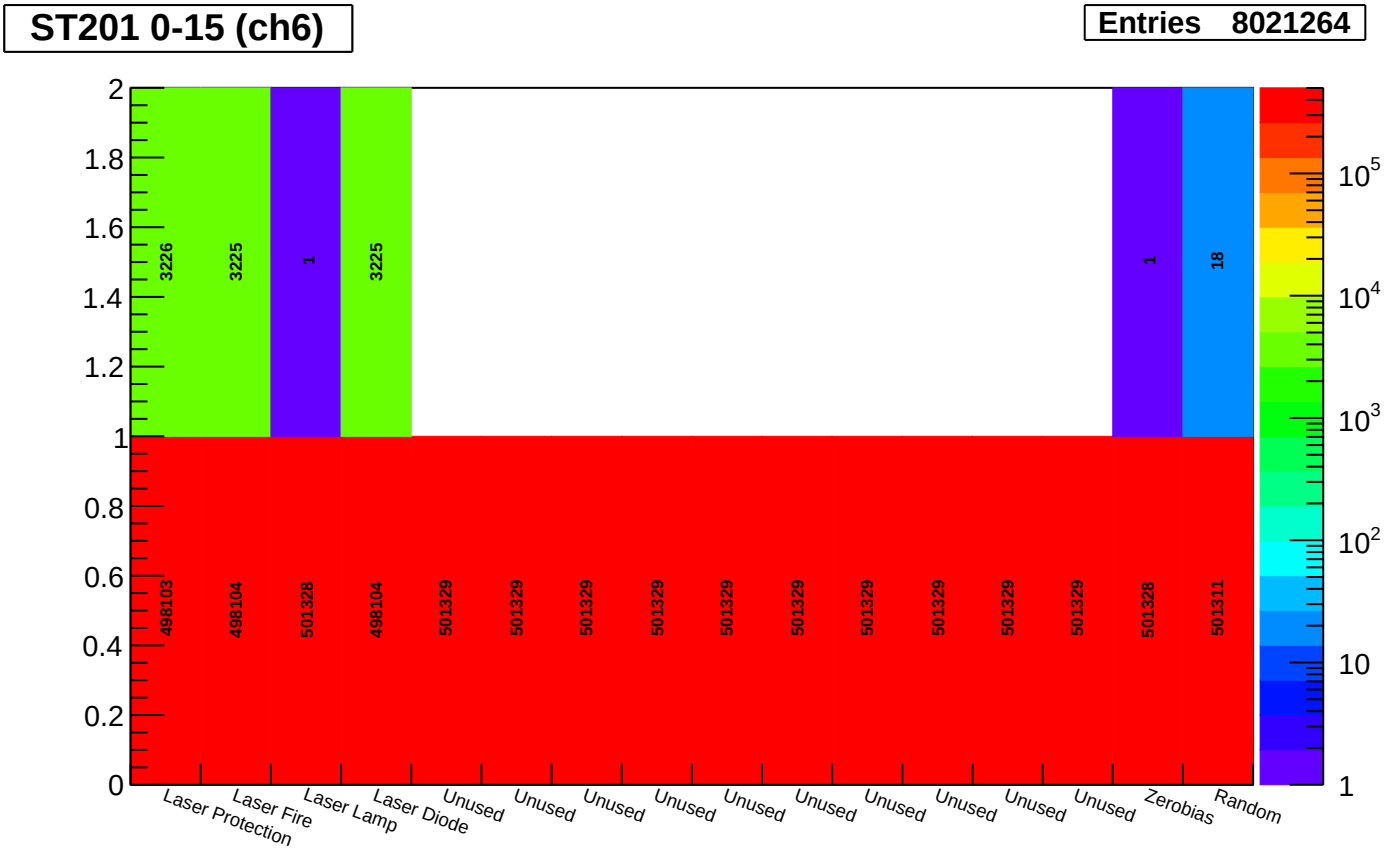

Entries 501329
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

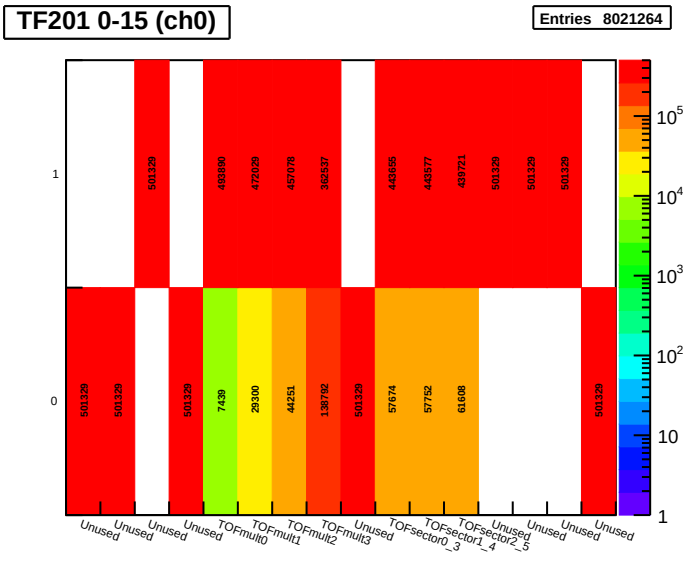

Entries 501329
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

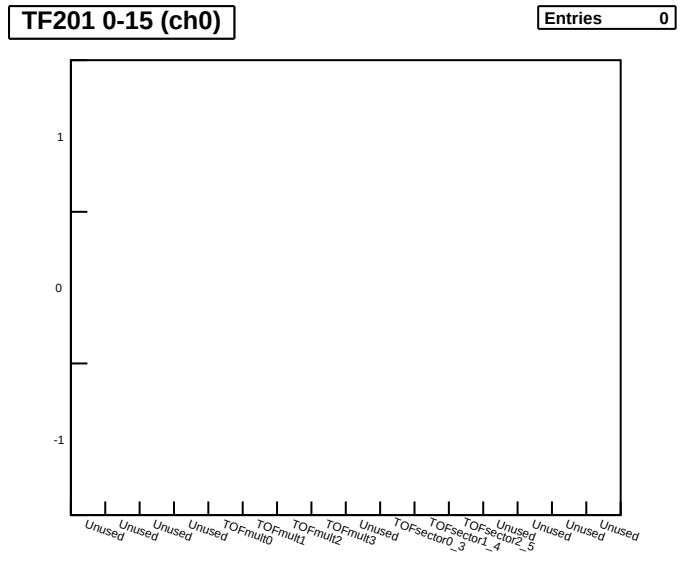

Entries 501329
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

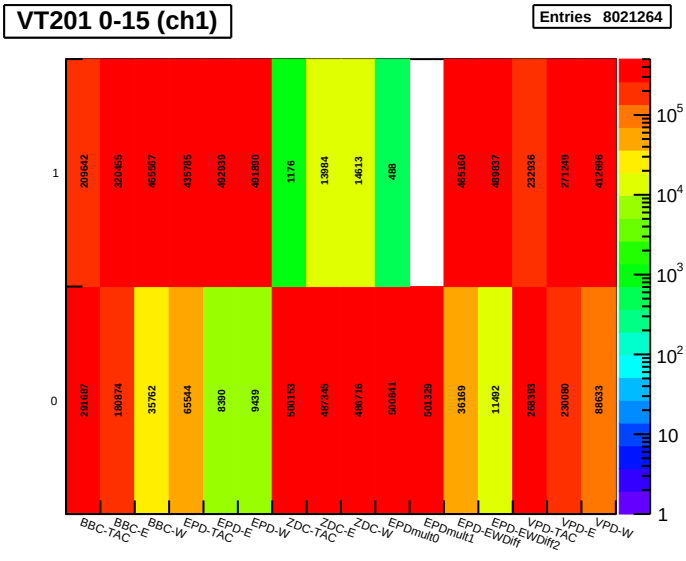

Entries 501329
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

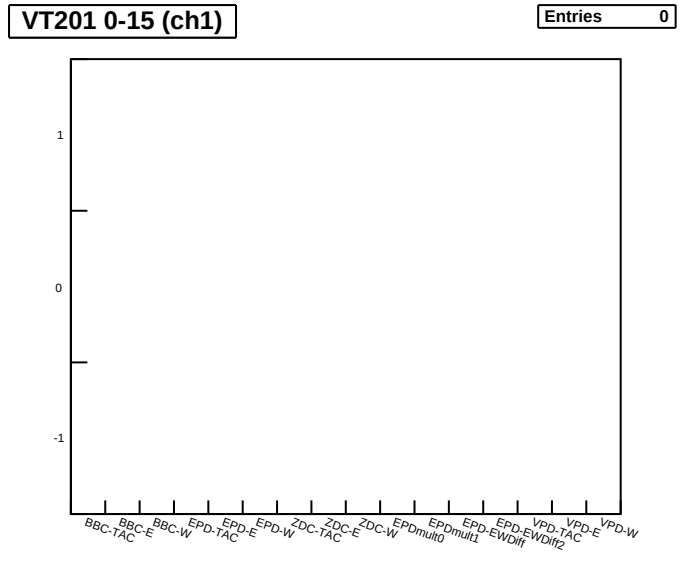

Laser Input Bits
Entries 501329
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

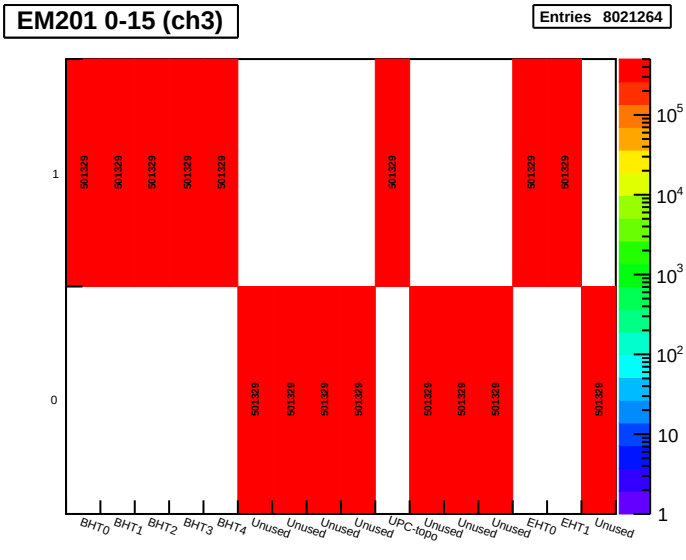

ST201 0-15 (ch6)
Entries 8021264
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3226
3225
1
3225
1
18
498103
498104
501328
498104
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
501328
501311
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

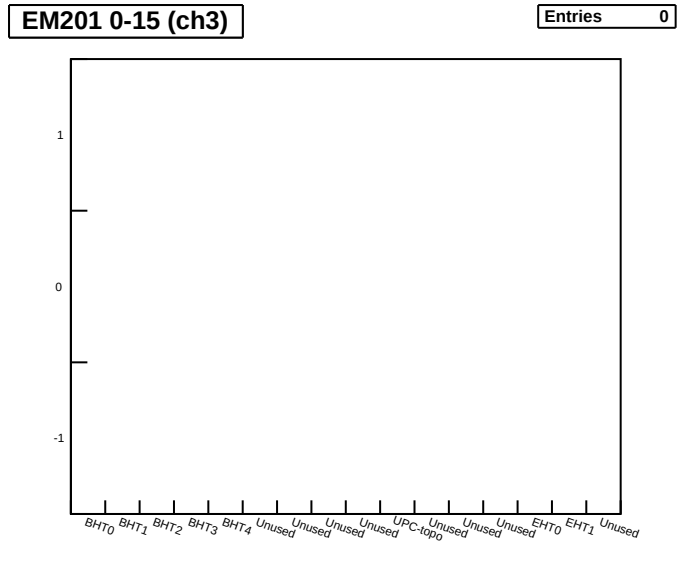

TF201 0-15 (ch0)
Entries 8021264
1
0
501329
433890
472029
457078
362537
443655
443577
439721
501329
501329
501329
501329
501329
501329
501329
7439
29300
44251
138792
501329
57674
57752
61608
501329
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 8021264
1
0
209642
320455
465567
435765
492939
491890
1176
13984
14613
488
465160
489837
232956
271249
412686
231687
180874
35762
65544
8390
9439
500153
487345
498716
500841
501329
36169
11492
268393
230080
88633
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 8021264
1
0
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
501329
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