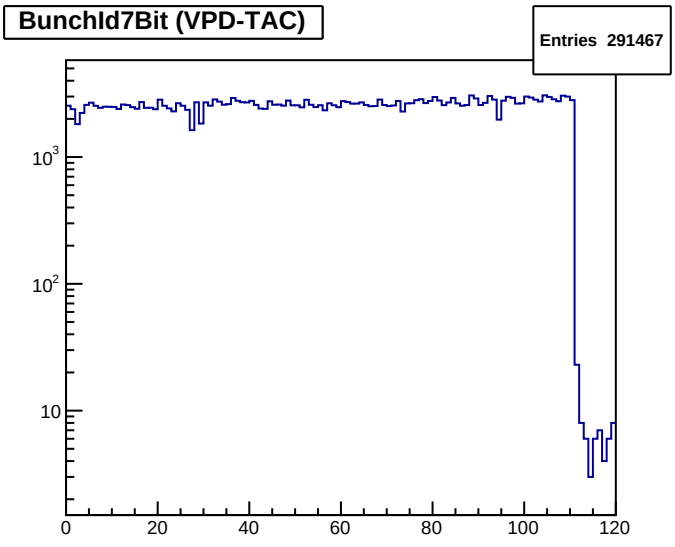
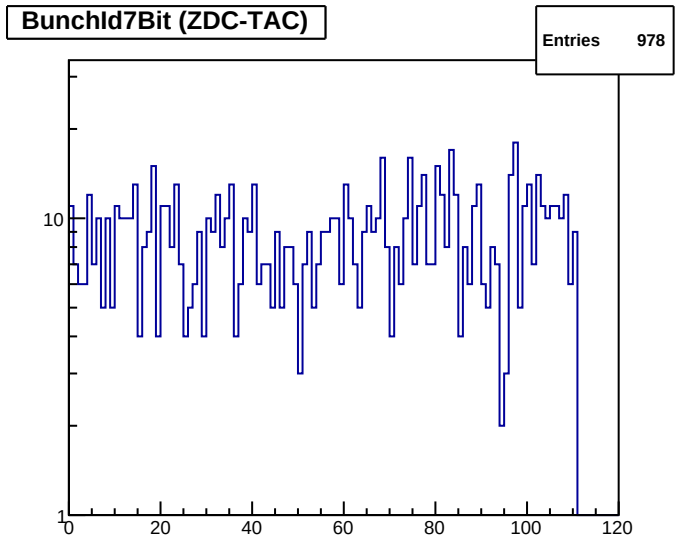
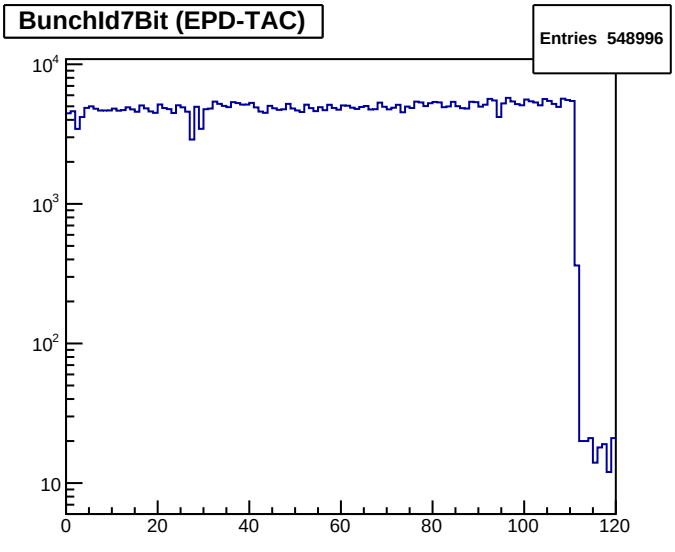
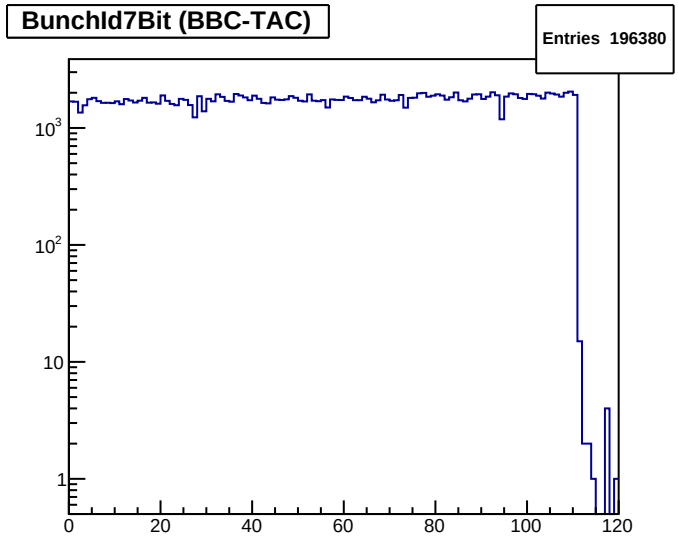
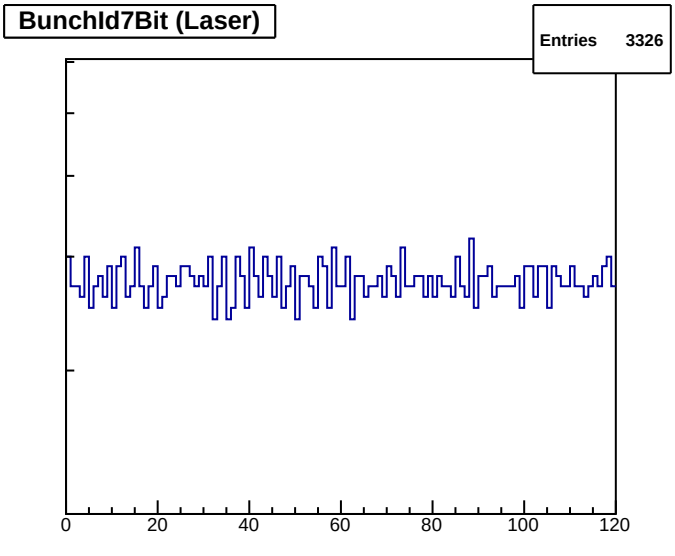
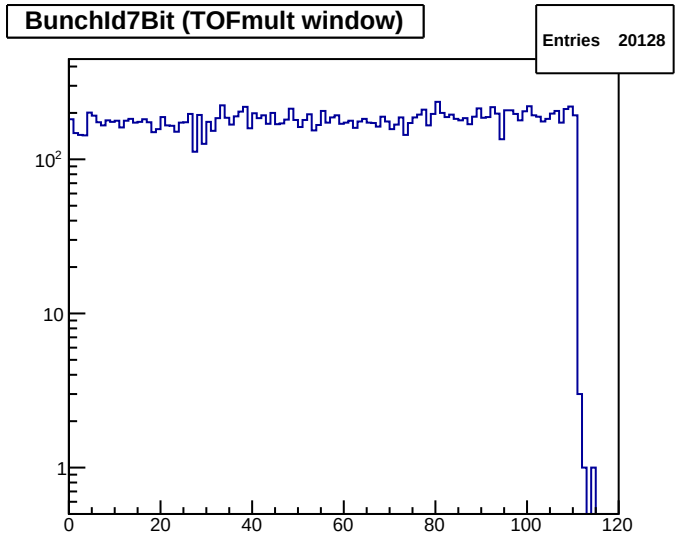

BunchId7Bit (VPD-TAC)
Entries 291467
10^3
10^2
10
0
20
40
60
80
100
120

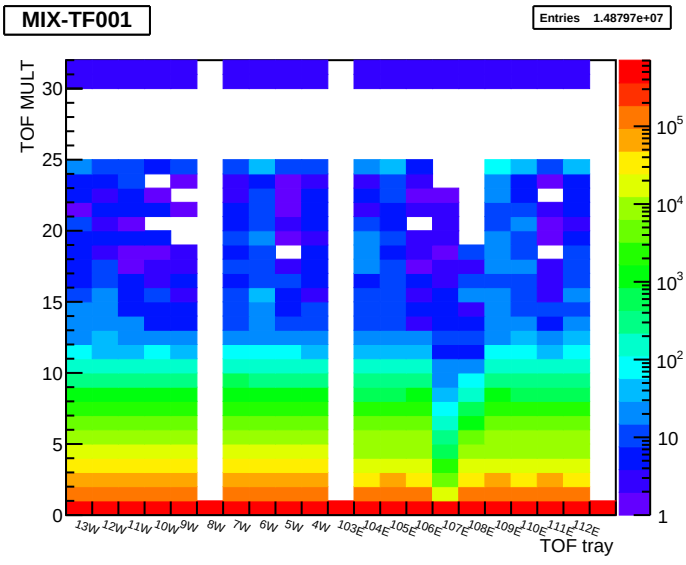

BunchId7Bit (ZDC-TAC)
Entries 978
10
1
0
20
40
60
80
100
120

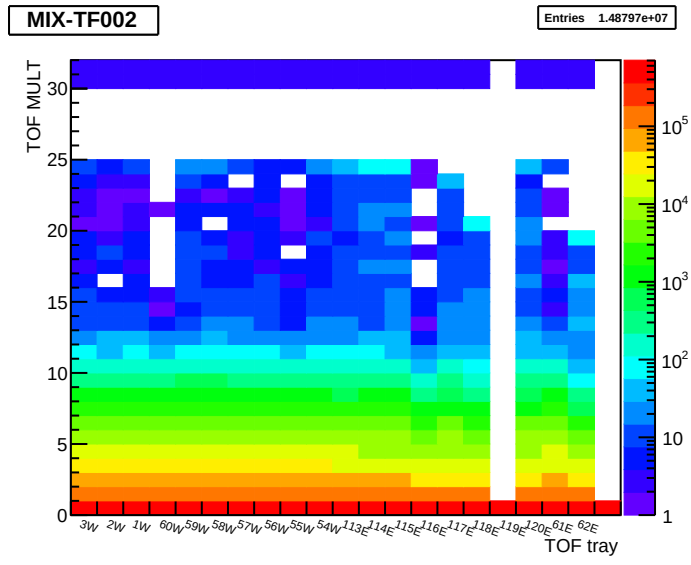

BunchId7Bit (EPD-TAC)
Entries 548996
10^4
10^3
10^2
10
0
20
40
60
80
100
120

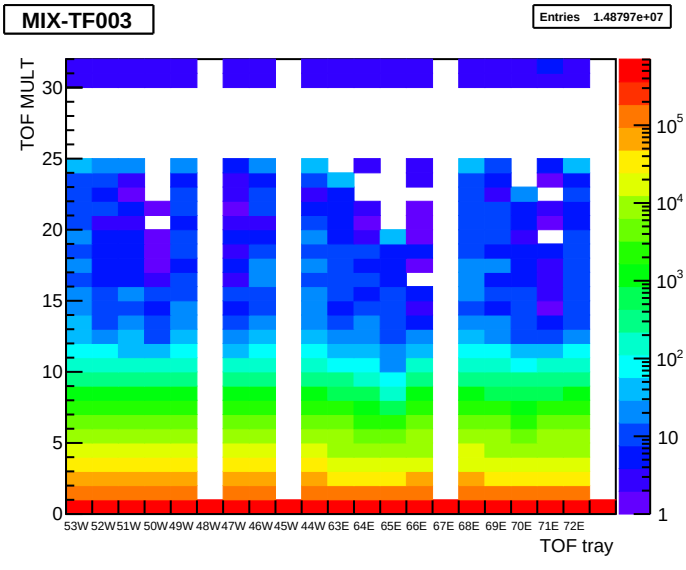

BunchId7Bit (BBC-TAC)
Entries 196380
10^3
10^2
10
1
0
20
40
60
80
100
120

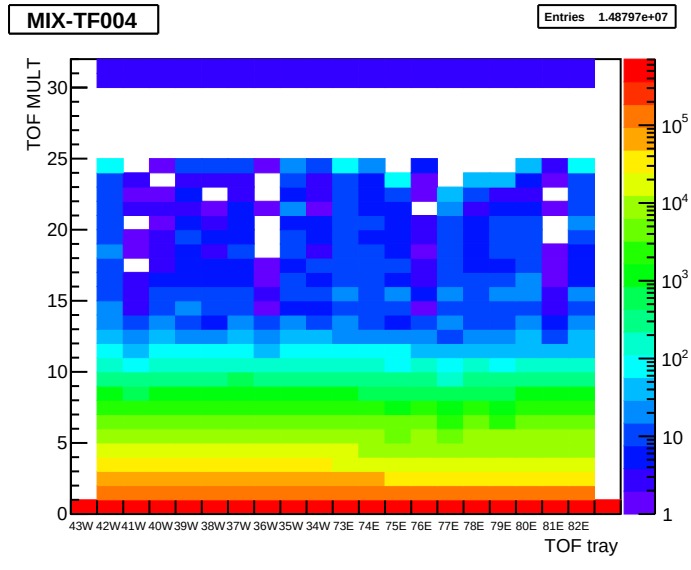

BunchId7Bit (Laser)
Entries 3326
0
20
40
60
80
100
120

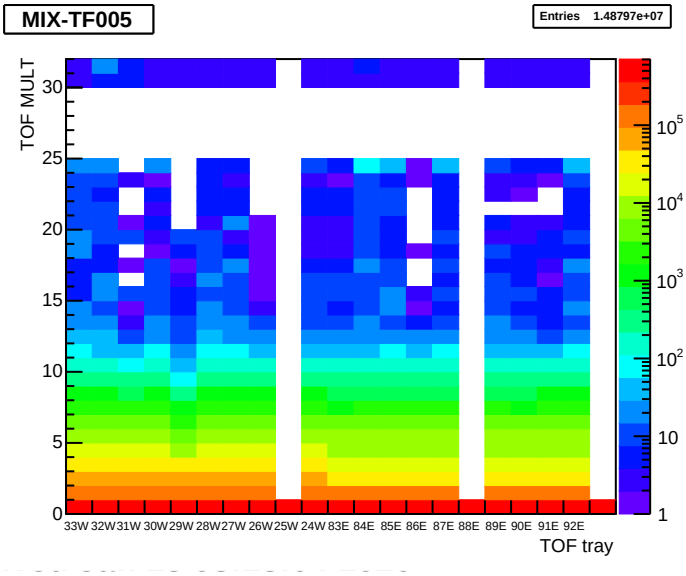

BunchId7Bit (TOFmult window)
Entries 20128
10^2
10
1
0
20
40
60
80
100
120

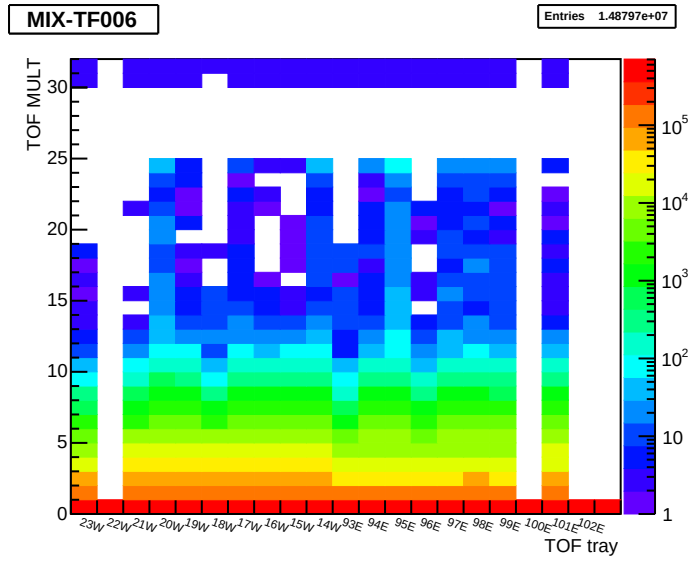

MIX-TF001
Entries 1.48797e+07
TOF MULT
TOF tray

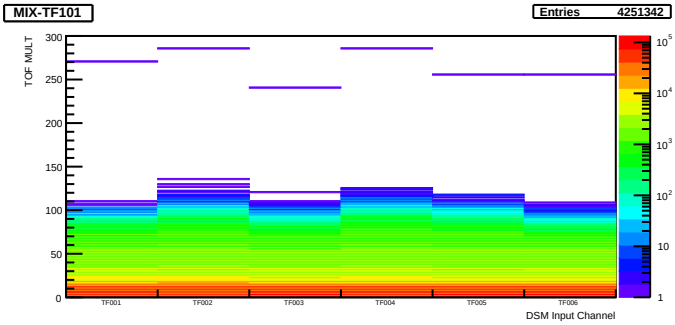

MIX-TF002
Entries 1.48797e+07
TOF MULT
TOF tray

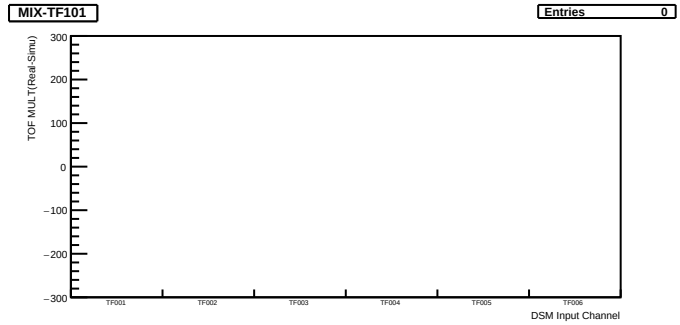

MIX-TF003
Entries 1.48797e+07
TOF MULT
TOF tray

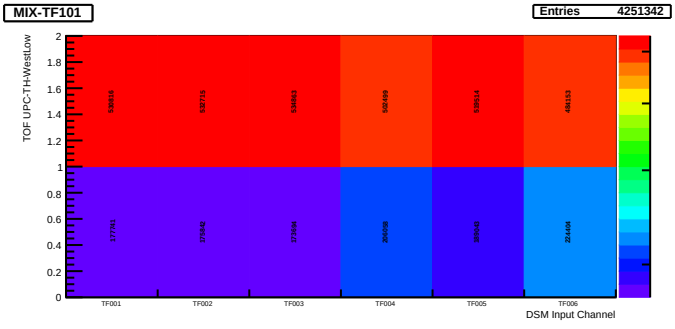

MIX-TF004
Entries 1.48797e+07
TOF MULT
TOF tray

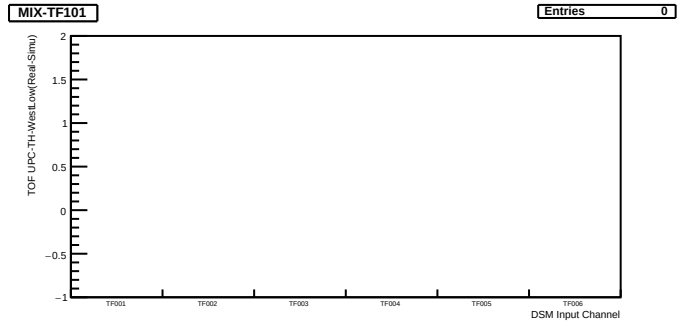

MIX-TF005
Entries 1.48797e+07
TOF MULT
TOF tray

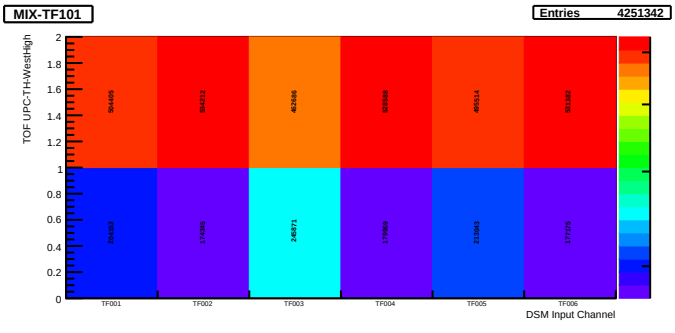

MIX-TF006
Entries 1.48797e+07
TOF MULT
TOF tray

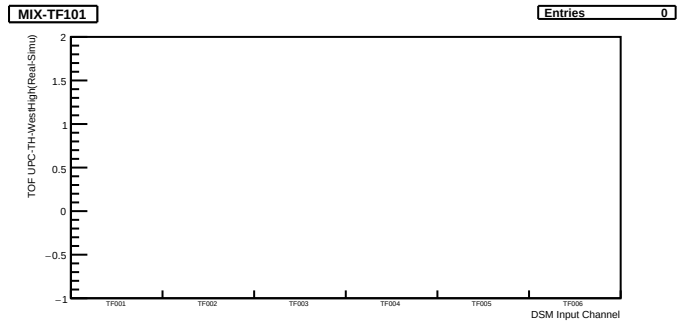

MIX-TF101
Entries 4251342
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

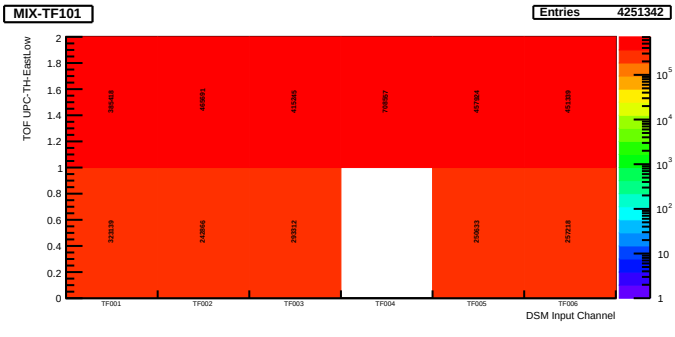

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

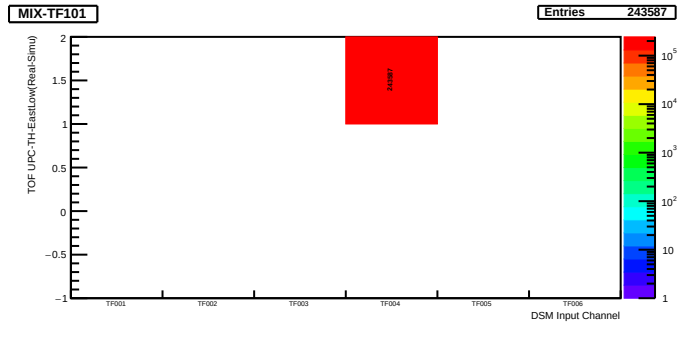

MIX-TF101
Entries 4251342
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

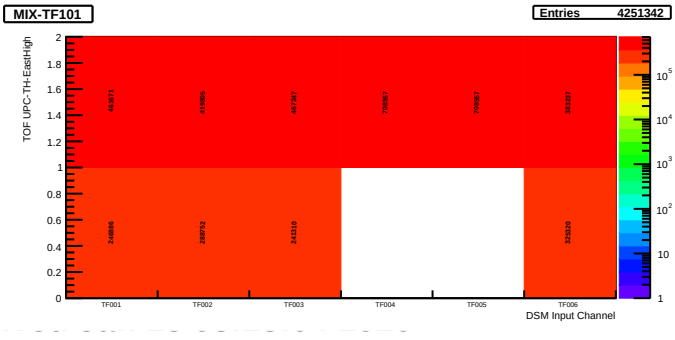

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

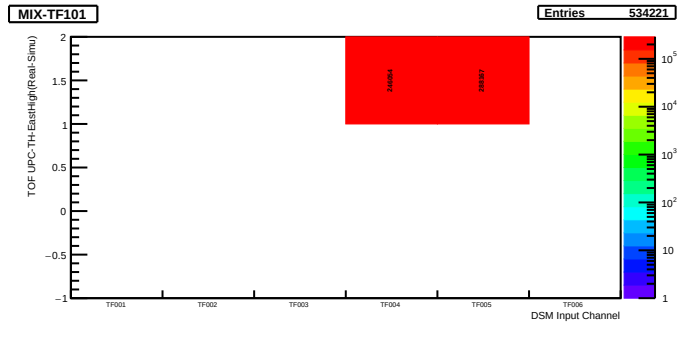

MIX-TF101
Entries 4251342
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

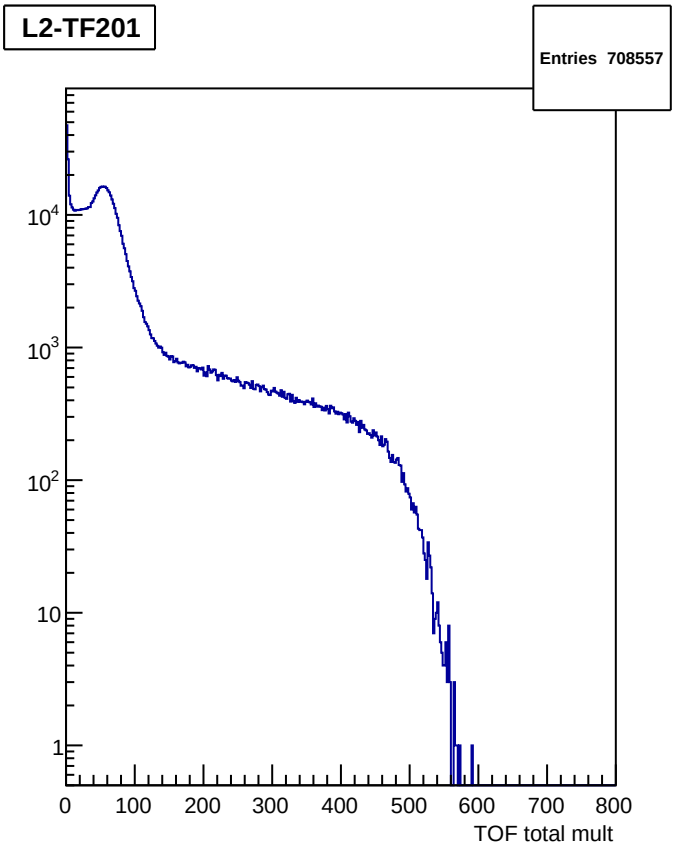

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

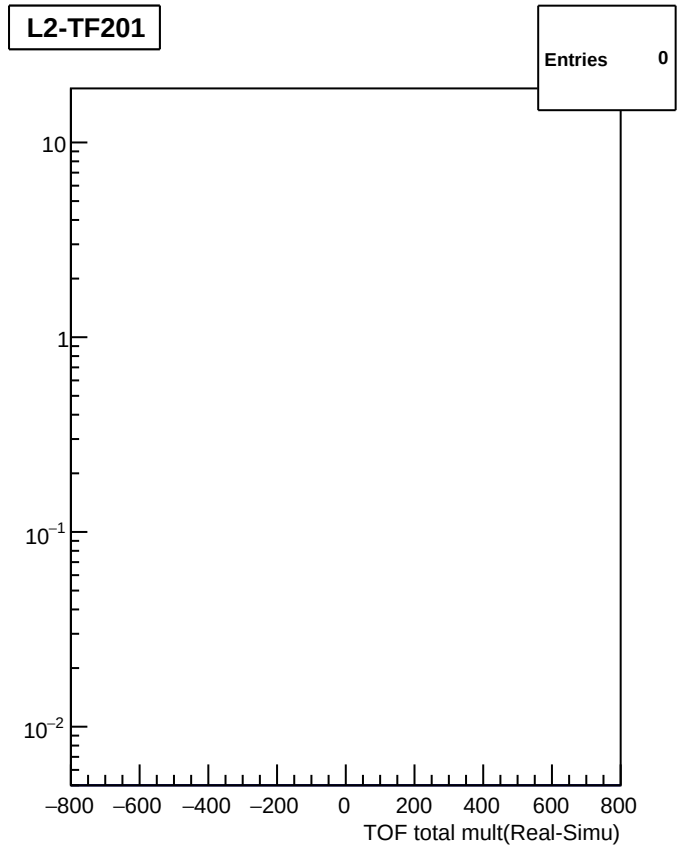

MIX-TF101
Entries 4251342
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

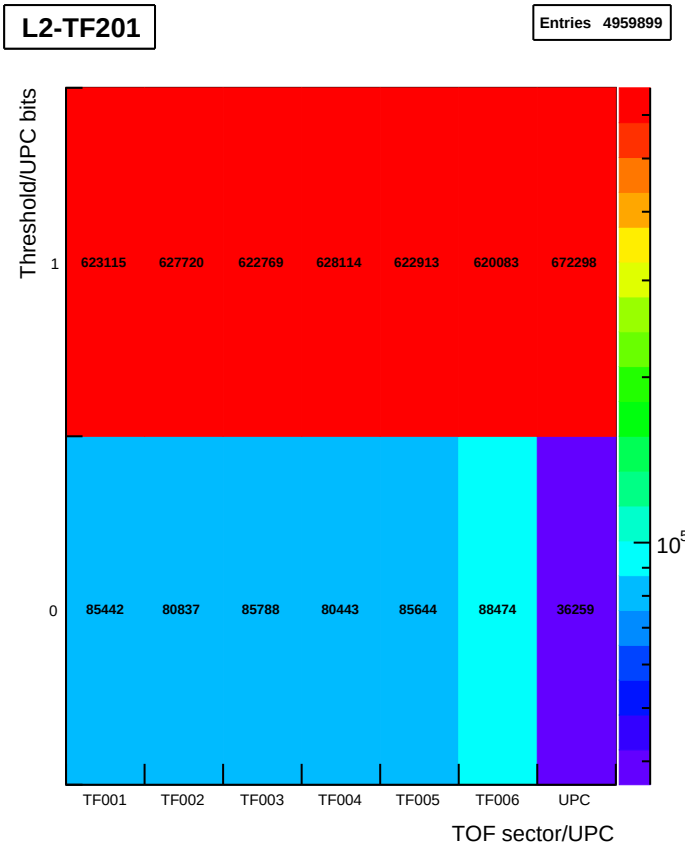

MIX-TF101
Entries 243587
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

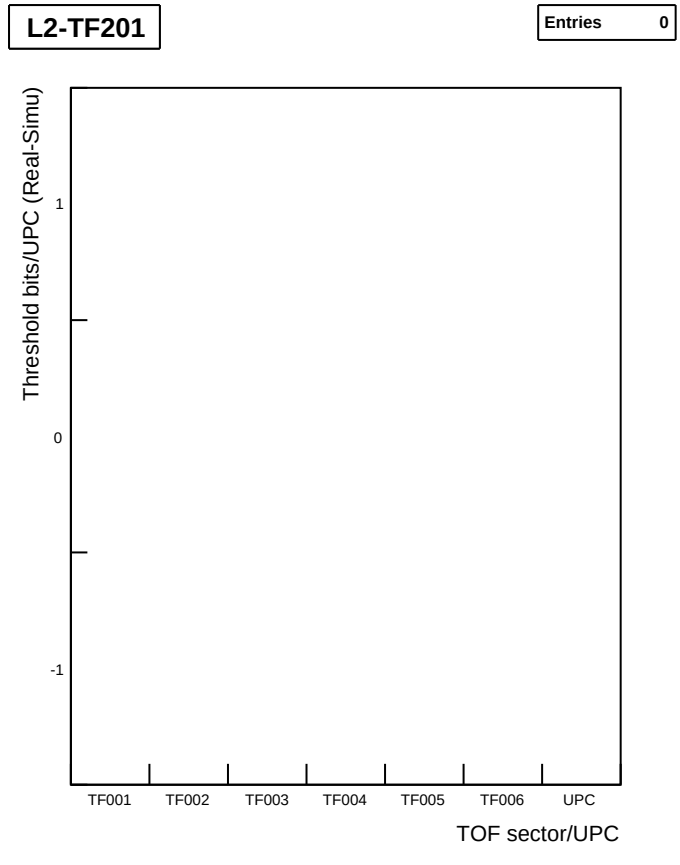

MIX-TF101
Entries 4251342
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

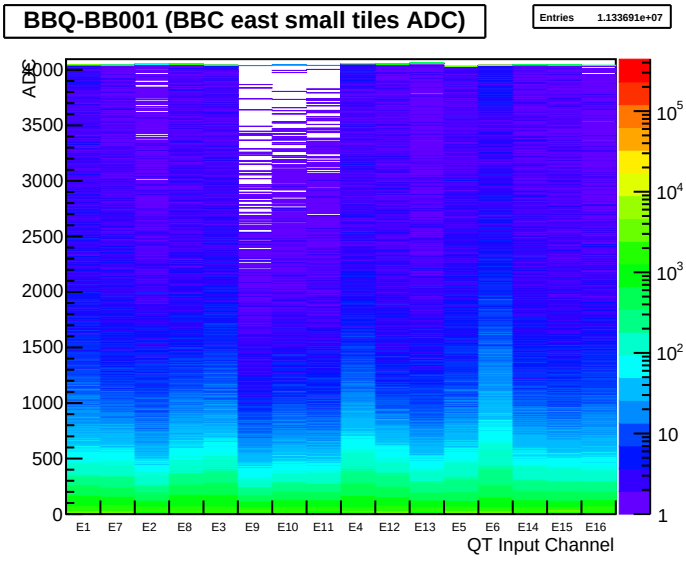

MIX-TF101
Entries 534221
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

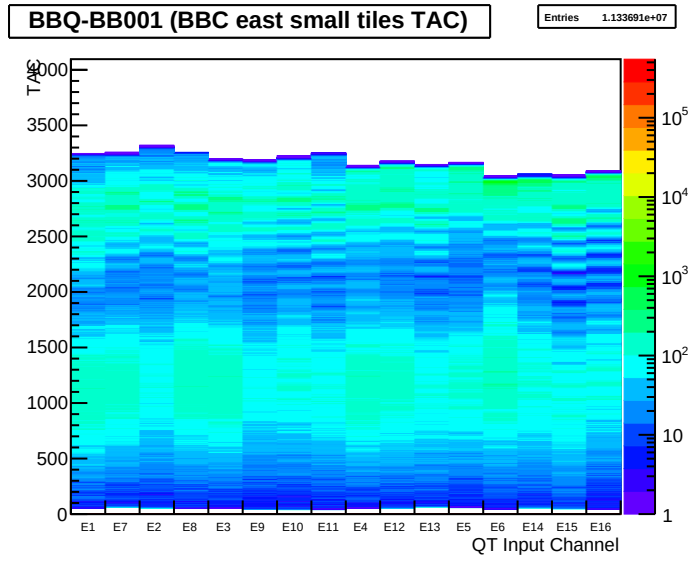

L2-TF201
Entries 708557
TOF total mult

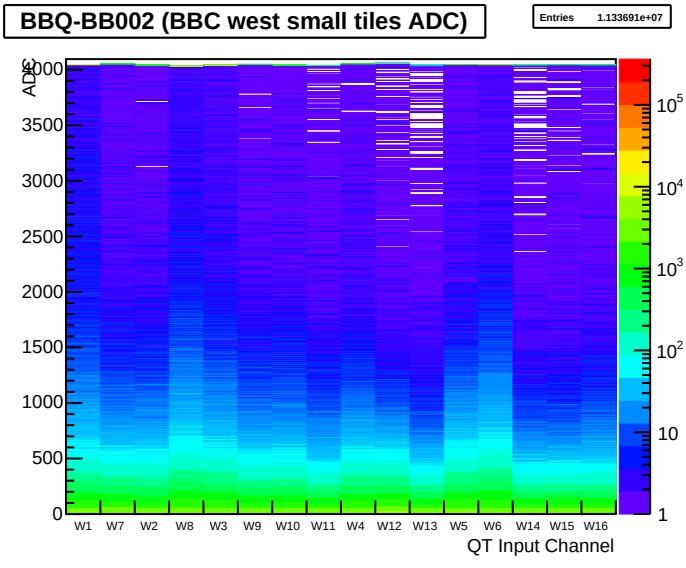

L2-TF201
Entries 0
TOF total mult(Real-Simu)

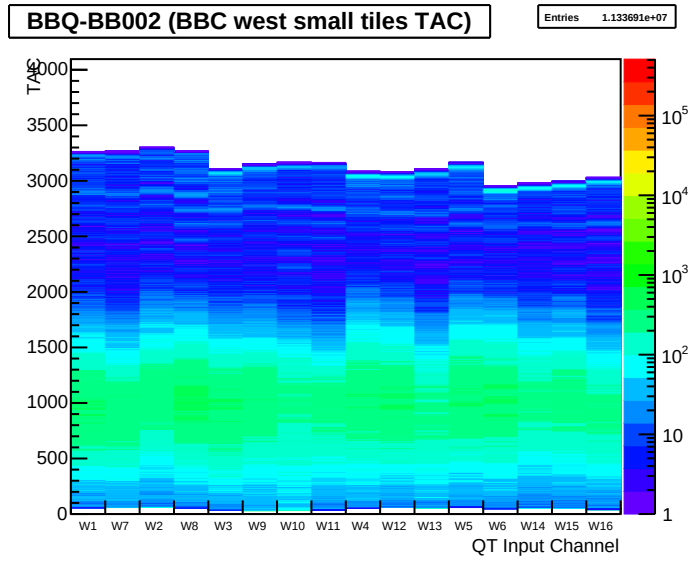

L2-TF201
Entries 4959899
Threshold/UPC bits
623115
627720
622769
628114
622913
620083
672298
85442
80837
85788
80443
85644
88474
36259
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

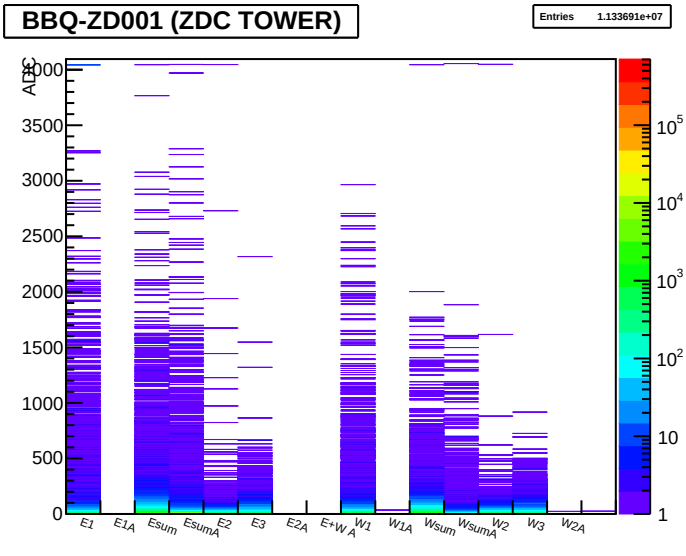

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

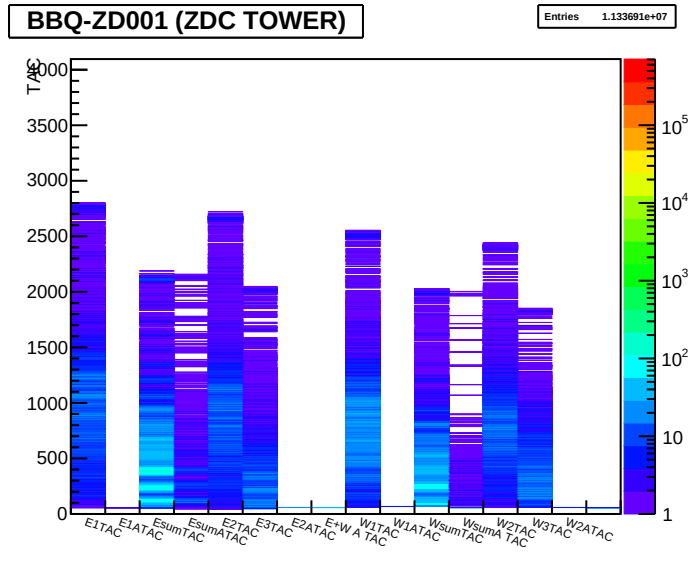

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.133691e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

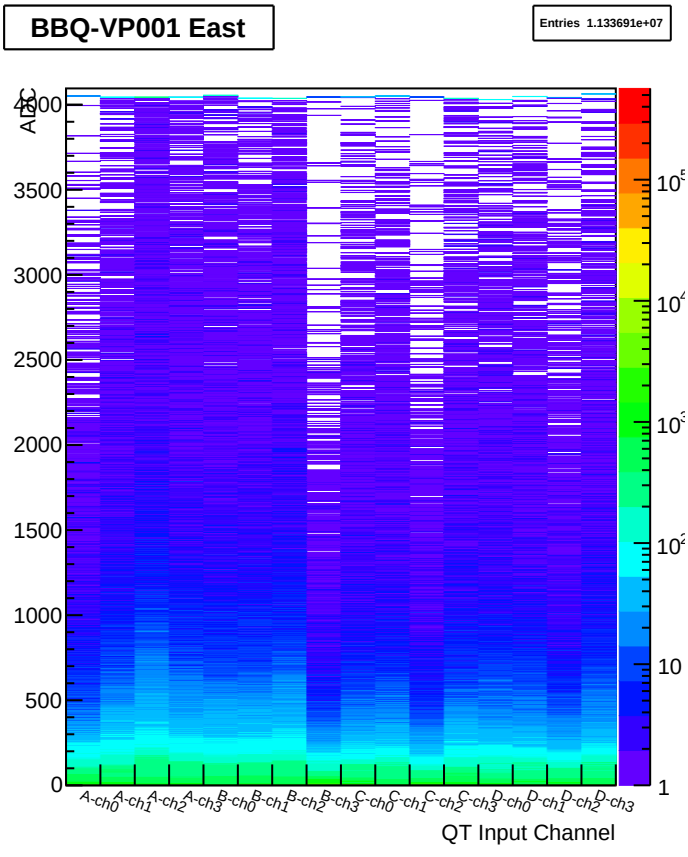

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.133691e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

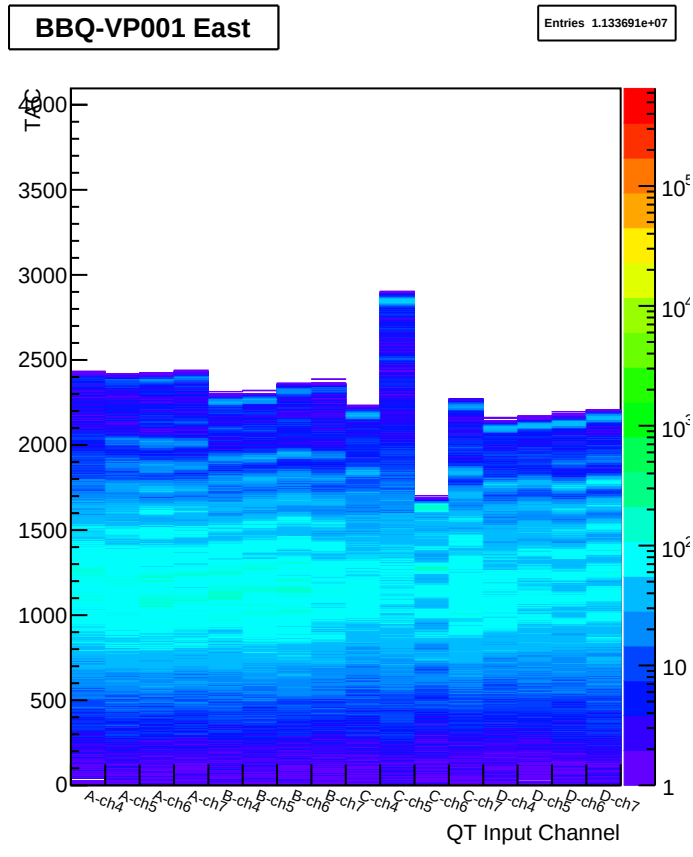

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.133691e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

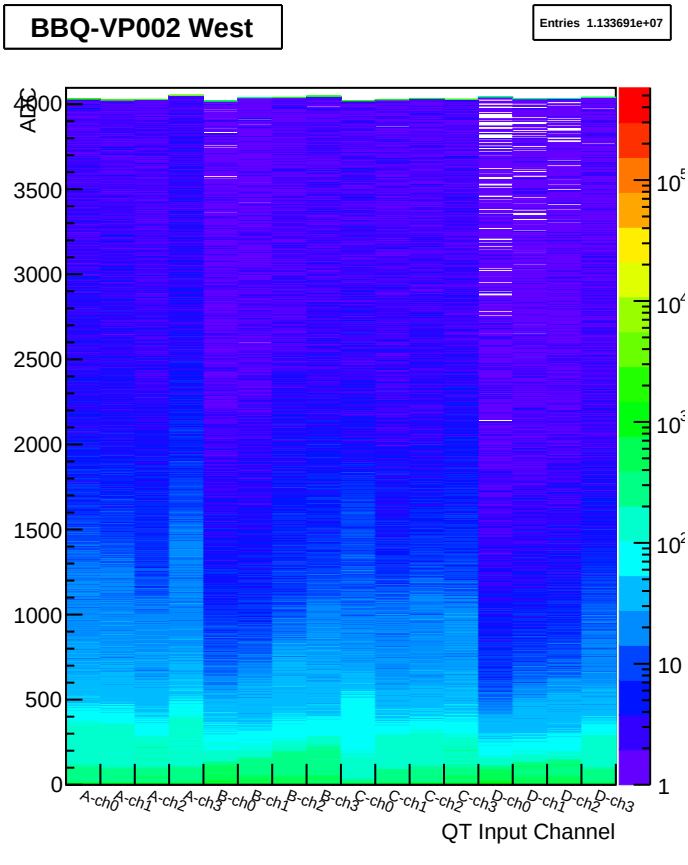

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.133691e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

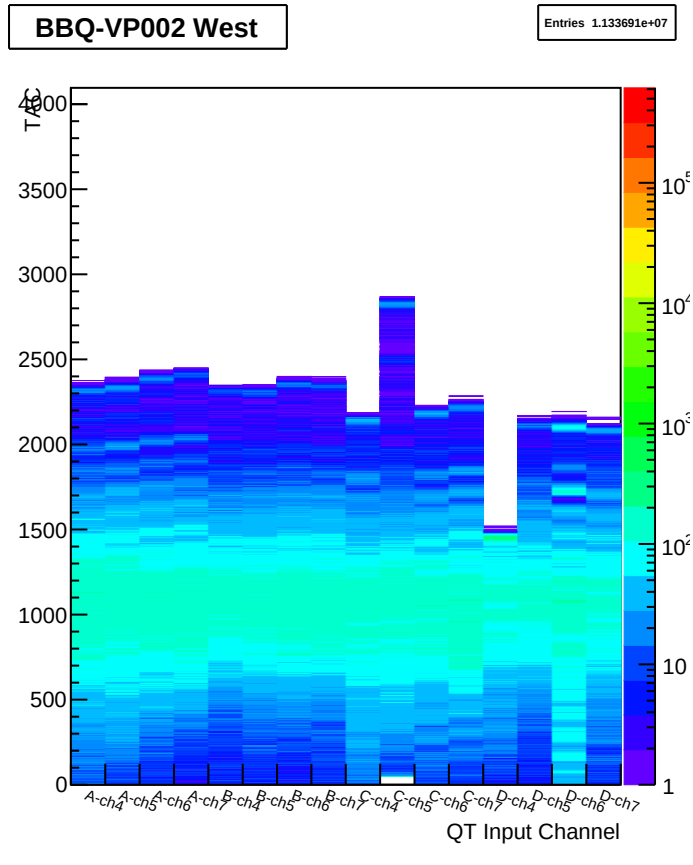

BBQ-ZD001 (ZDC TOWER)
Entries 1.133691e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

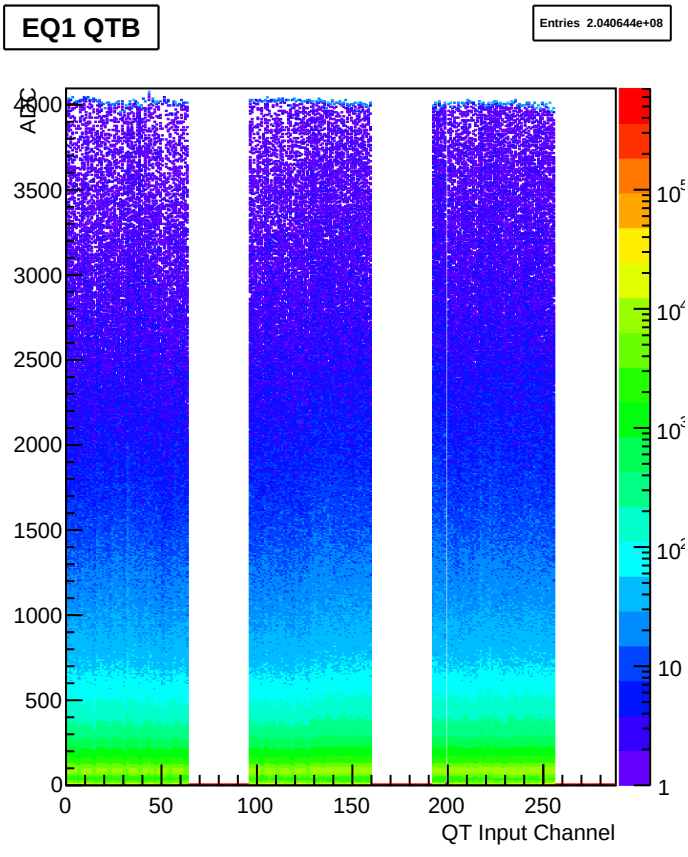

BBQ-ZD001 (ZDC TOWER)
Entries 1.133691e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

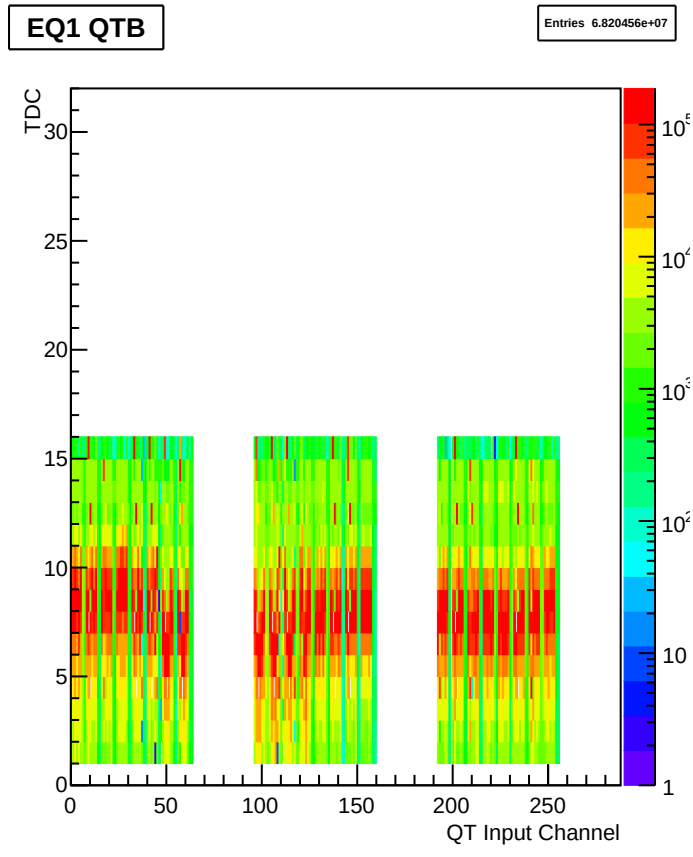

BBQ-VP001 East
Entries 1.133691e+07
ADC
QT Input Channel

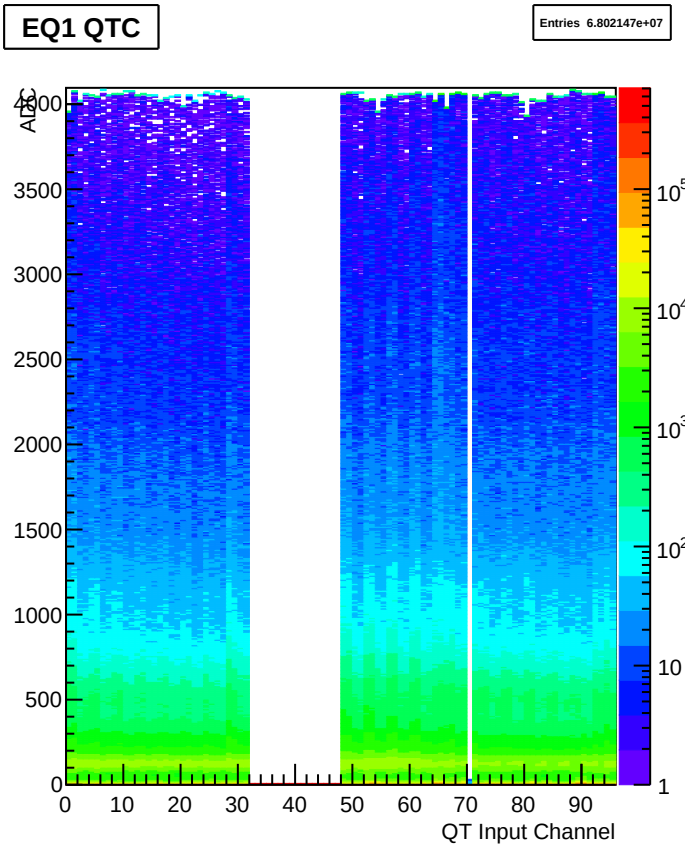

BBQ-VP001 East
Entries 1.133691e+07
TADC
QT Input Channel

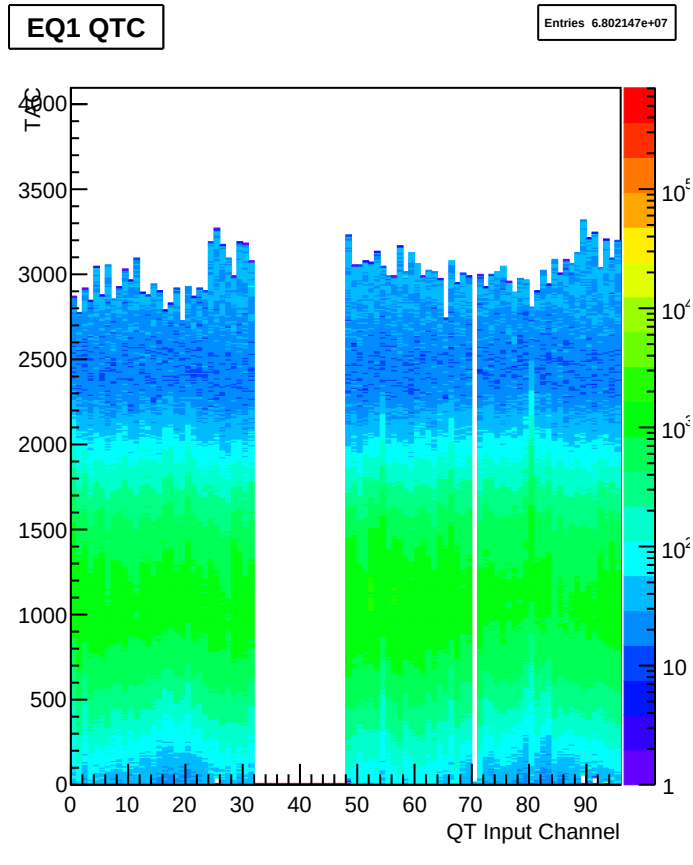

BBQ-VP002 West
Entries 1.133691e+07
ADC
QT Input Channel

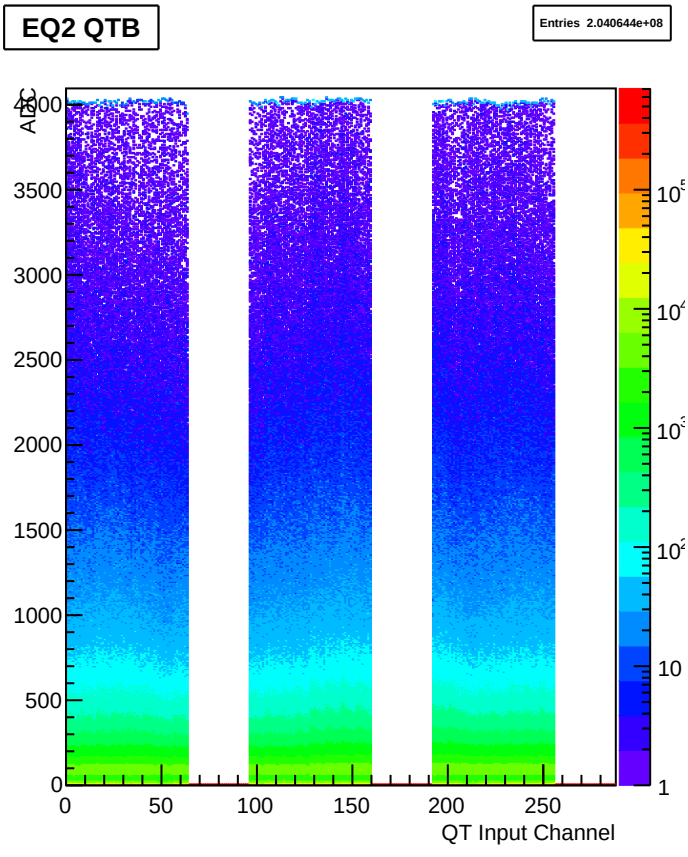

BBQ-VP002 West
Entries 1.133691e+07
TADC
QT Input Channel

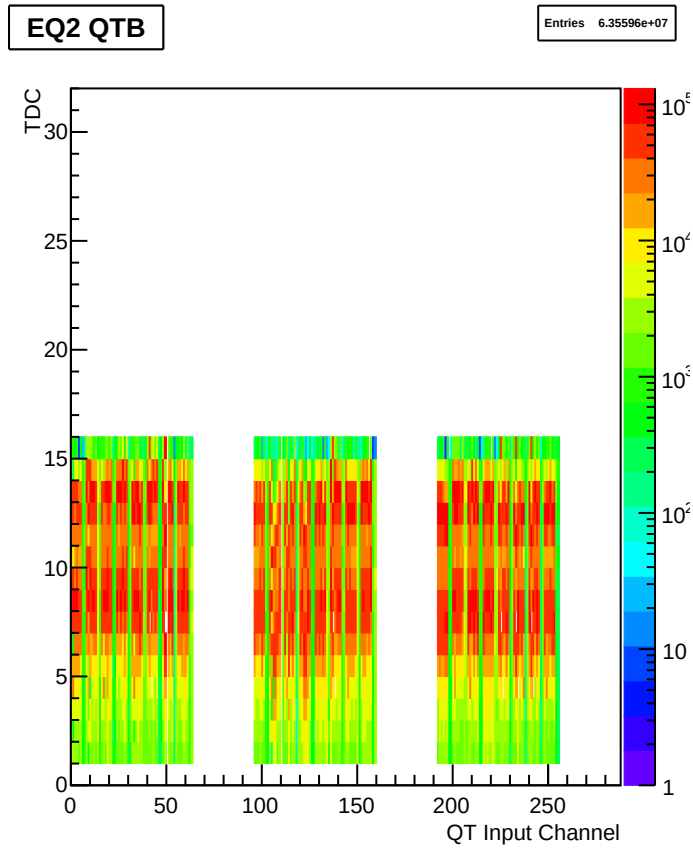

EQ1 QTB
Entries 2.040644e+08
ADC
QT Input Channel

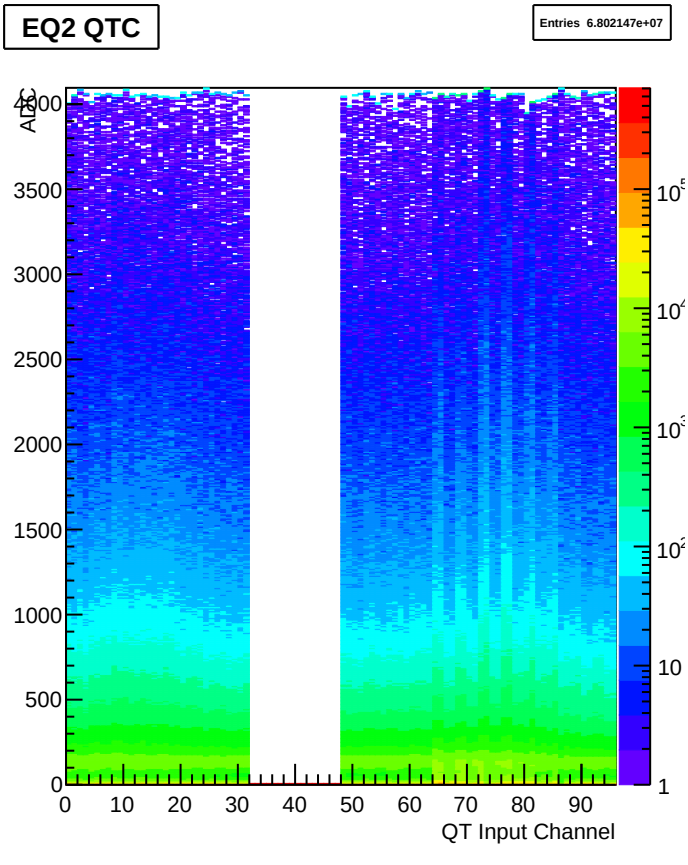

EQ1 QTB
Entries 6.820456e+07
TDC
QT Input Channel

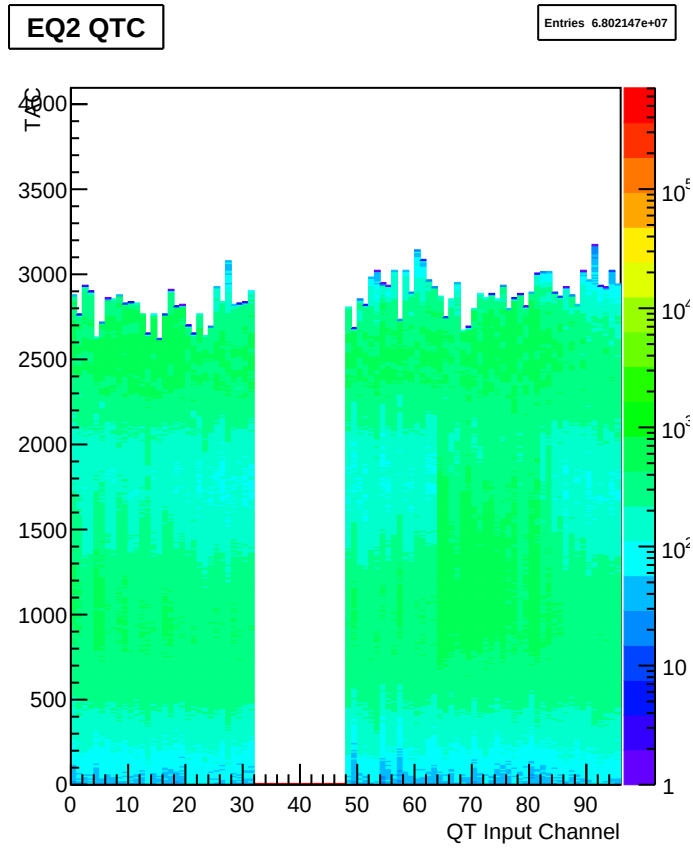

EQ1 QTC
Entries 6.802147e+07
ADC
QT Input Channel

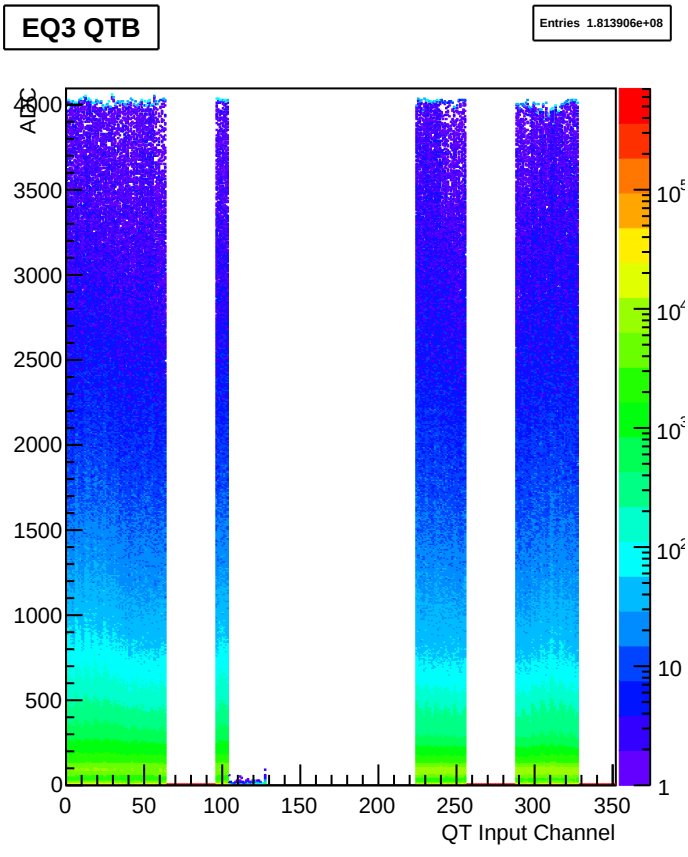

EQ1 QTC
Entries 6.802147e+07
TADC
QT Input Channel

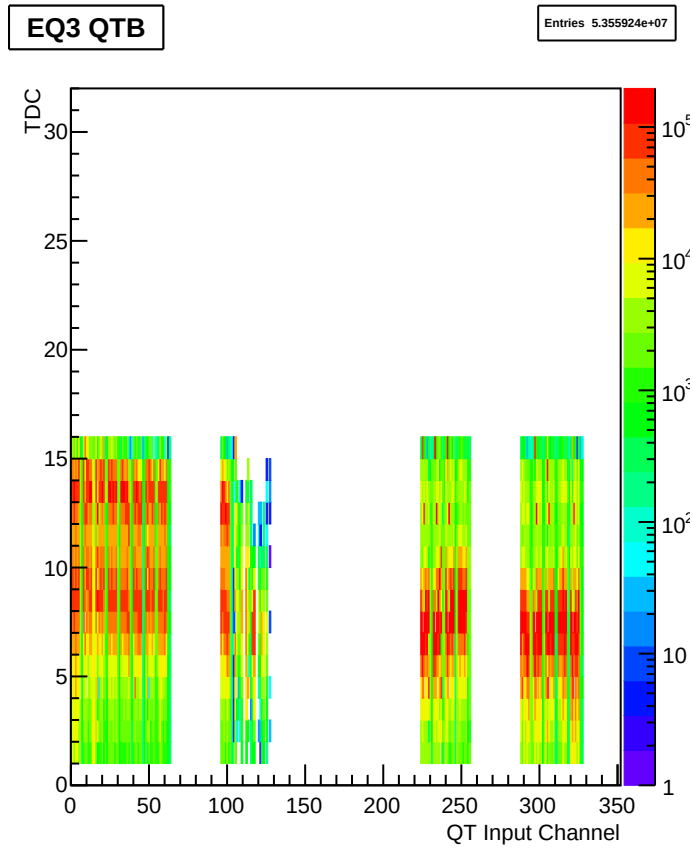

EQ2 QTB
Entries 2.040644e+08
ADC
QT Input Channel

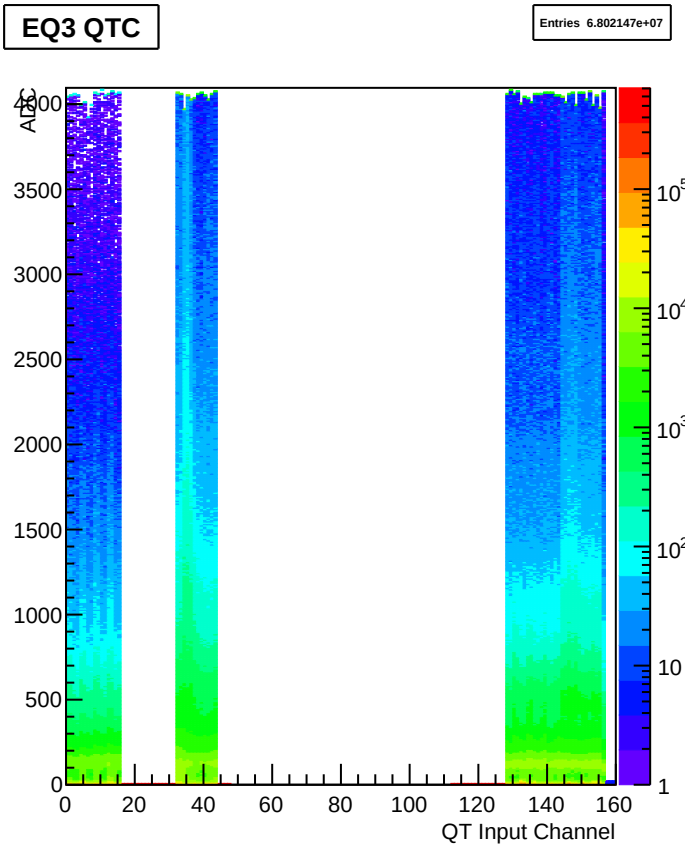

EQ2 QTB
Entries 6.35596e+07
TDC
QT Input Channel

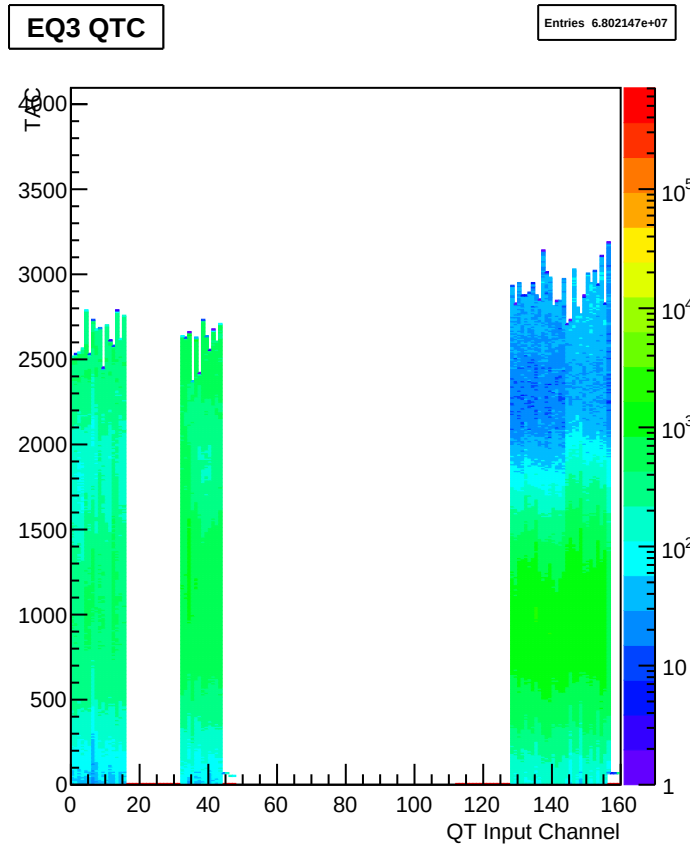

EQ2 QTC
Entries 6.802147e+07
ADC
QT Input Channel


EQ2 QTC
Entries 6.802147e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.813906e+08
ADC
QT Input Channel


EQ3 QTB
Entries 5.355924e+07
TDC
QT Input Channel


EQ3 QTC
Entries 6.802147e+07
ADC
QT Input Channel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Entries 6.802147e+07
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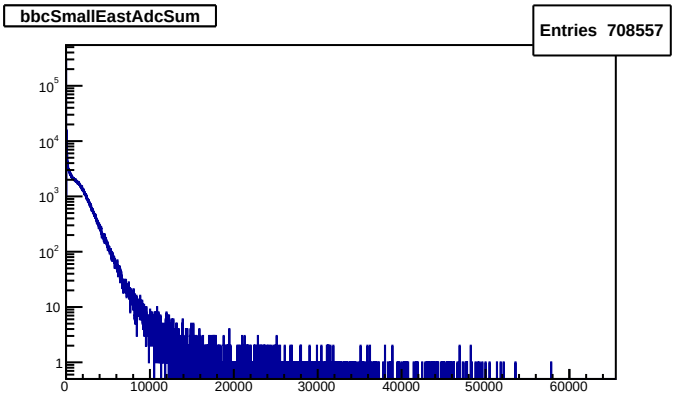
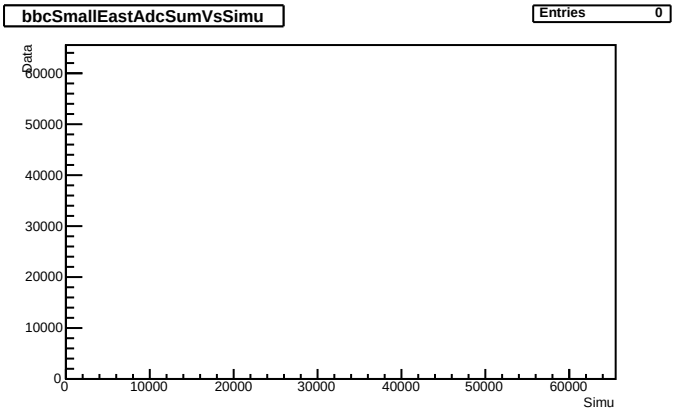
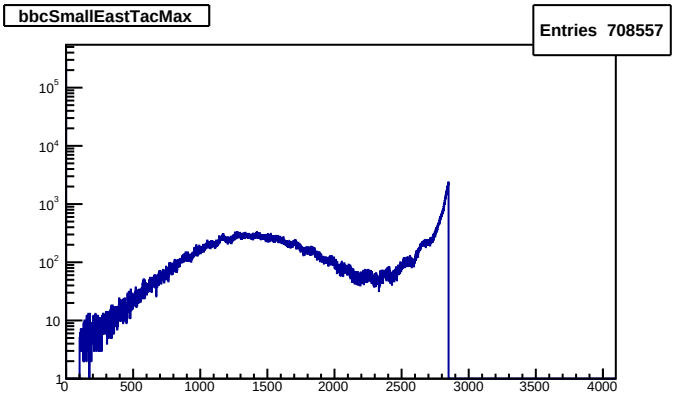
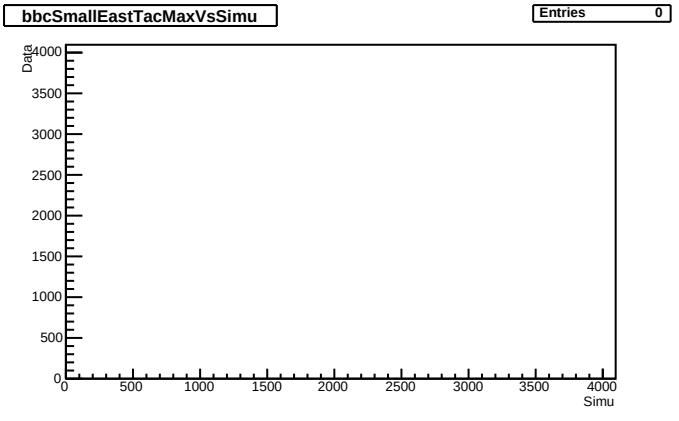
QT Input Channel


bbcSmallEastAdcSum
Entries 708557


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 708557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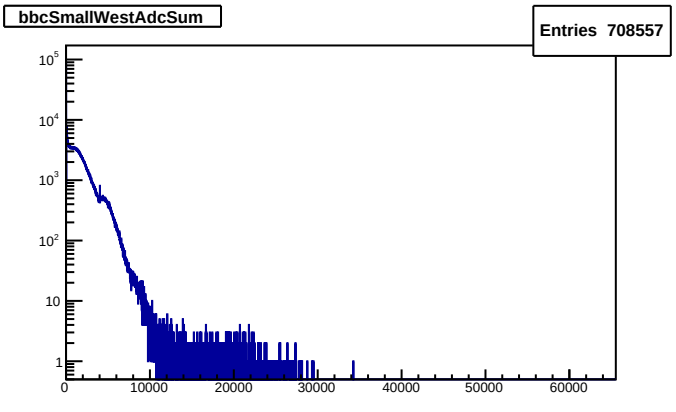
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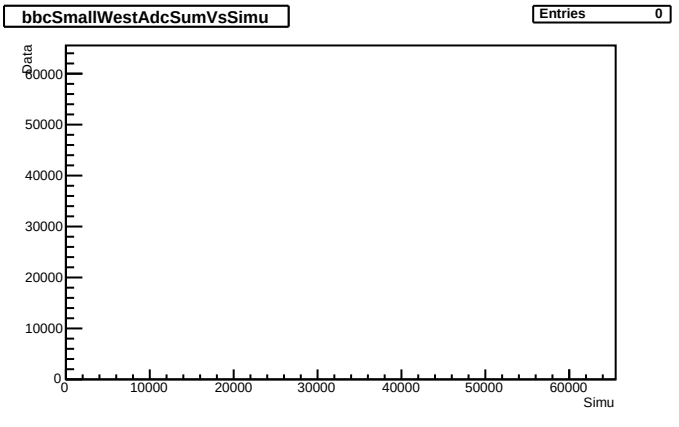
Entries 708557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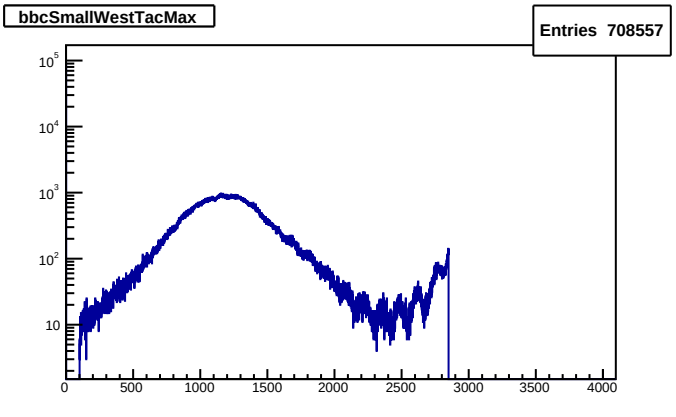
Simu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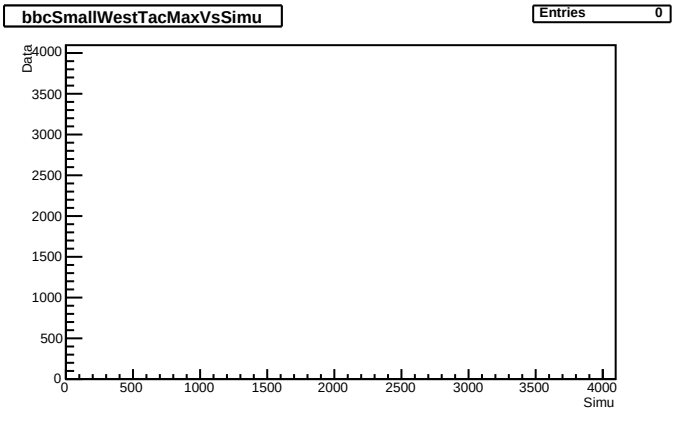
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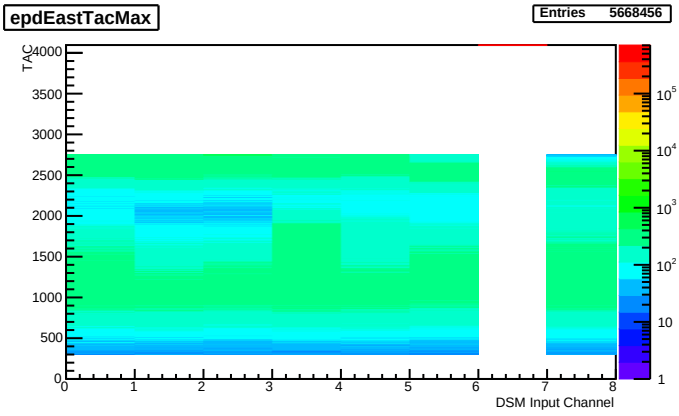
Simu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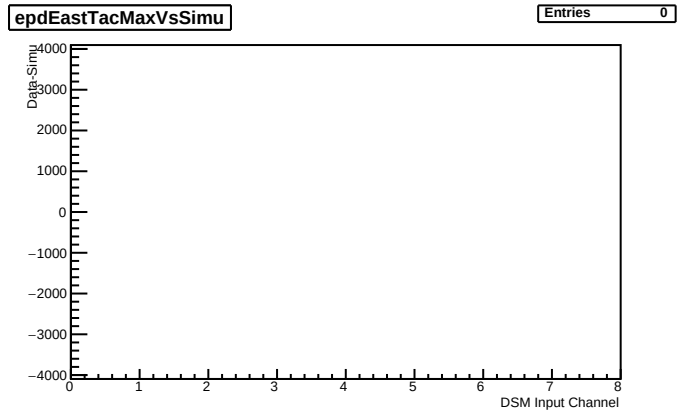
DSM Input Channel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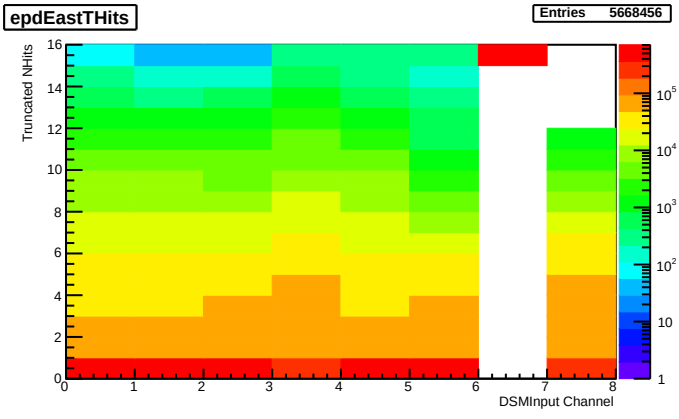
Data-Simu
DSM Input Channel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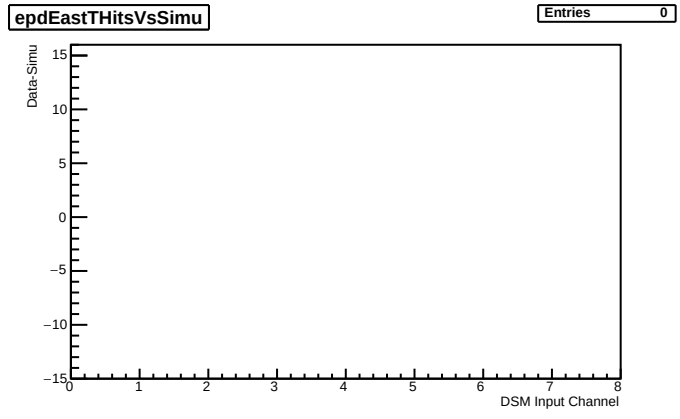
Entries 5668456
Truncated NHits
DSMInput Channel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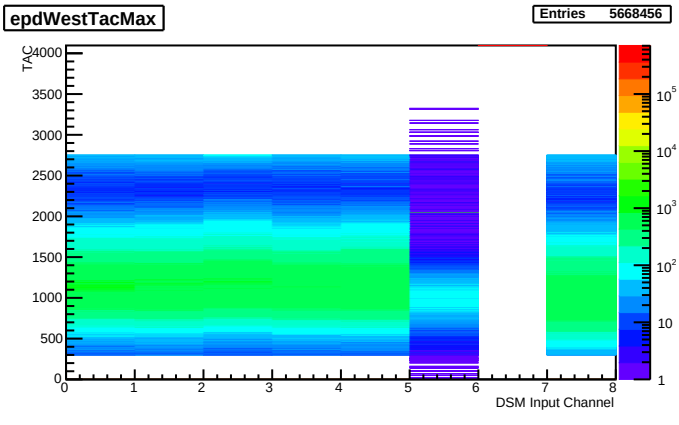
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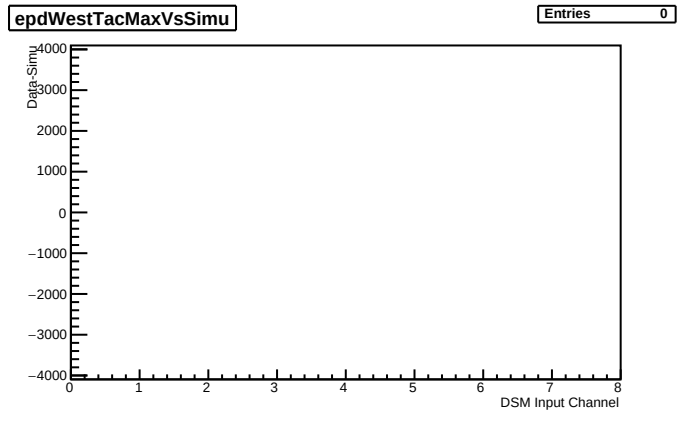
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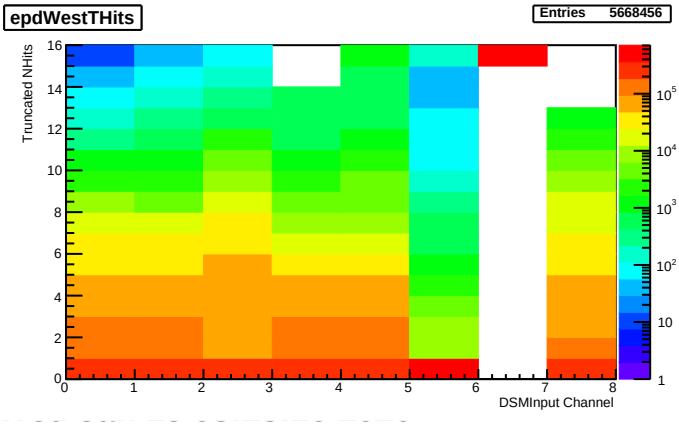
DSM Input Channel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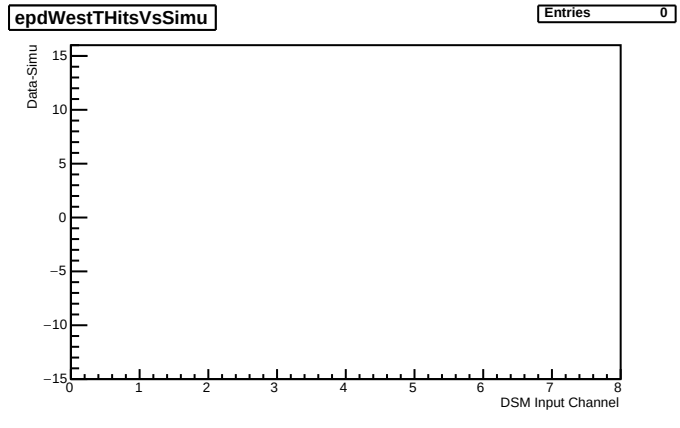
Entries 5668456
Truncated NHits
DSMInput Channel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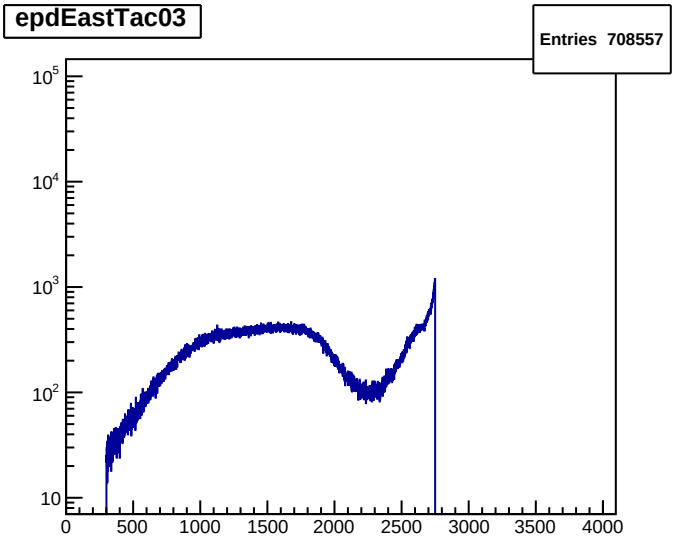
DSM Input Channel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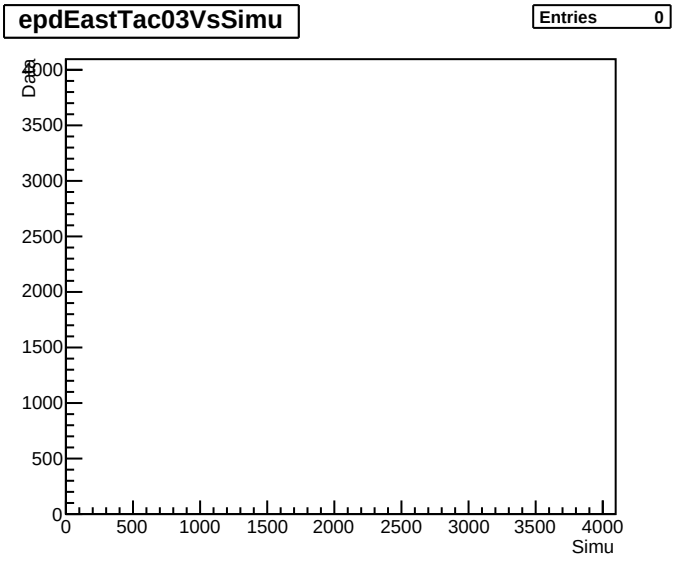
Entries 708557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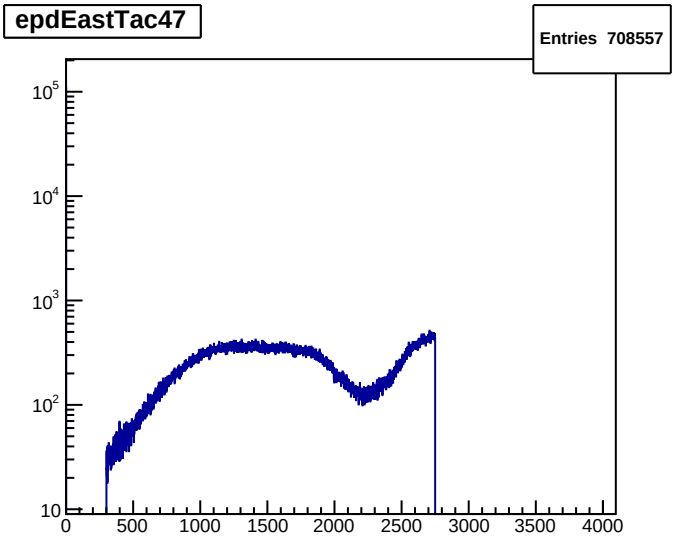
Entries 0
Data
Simu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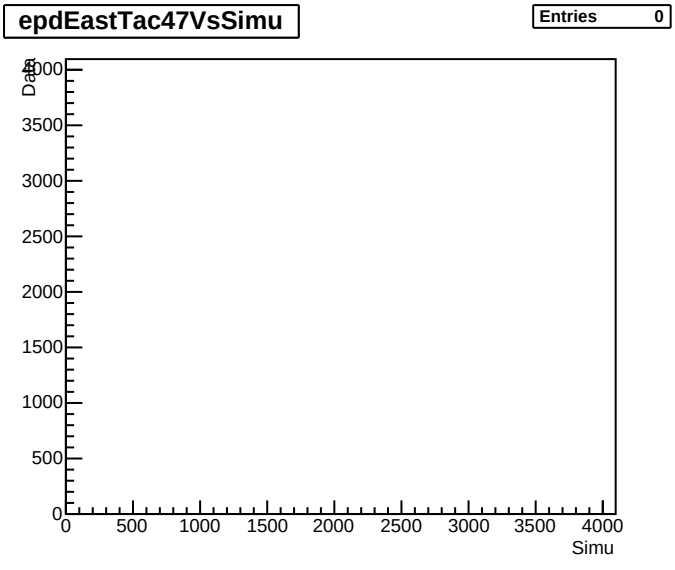
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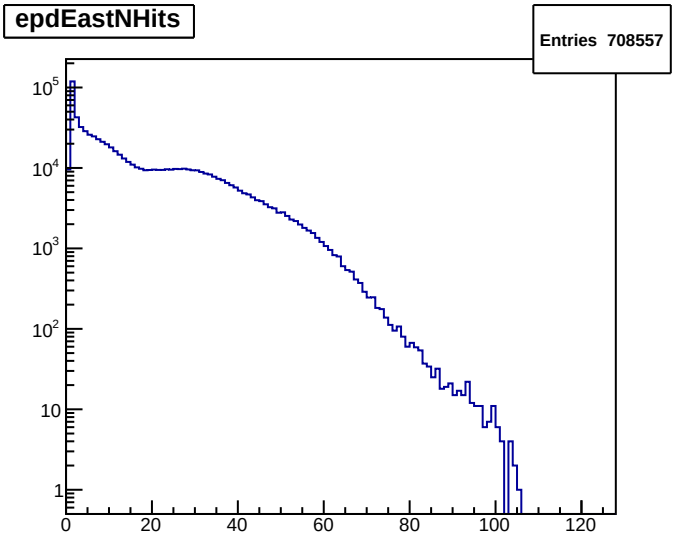
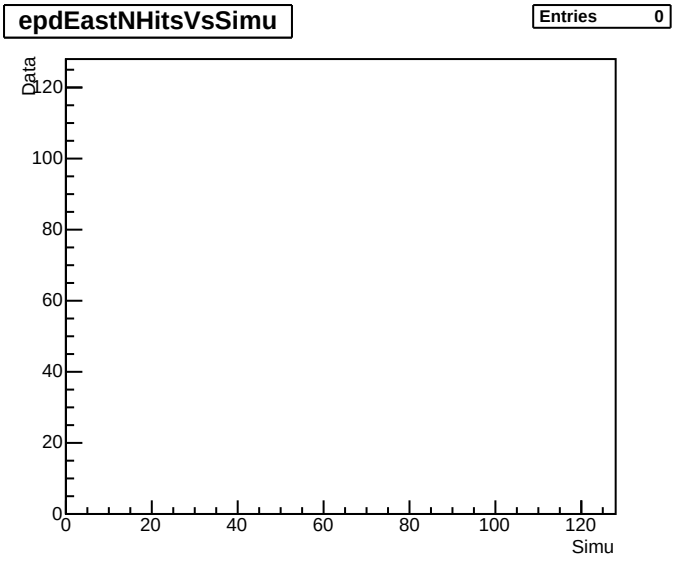
Entries 0
Data
Simu


epdEastNHits
Entries 708557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Data
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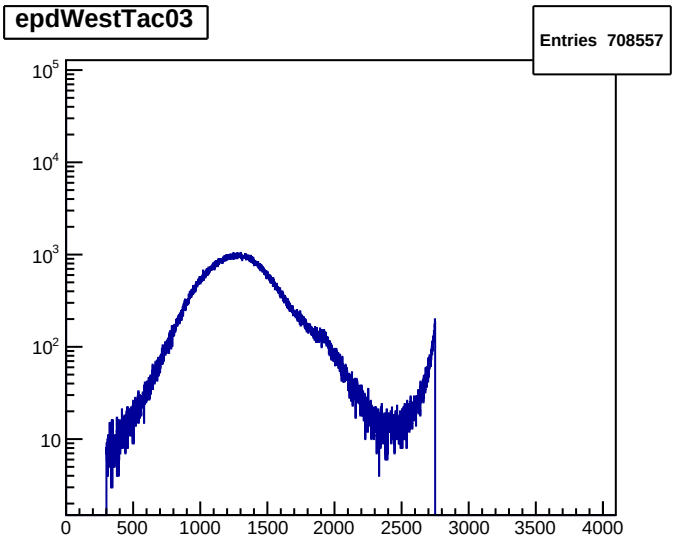
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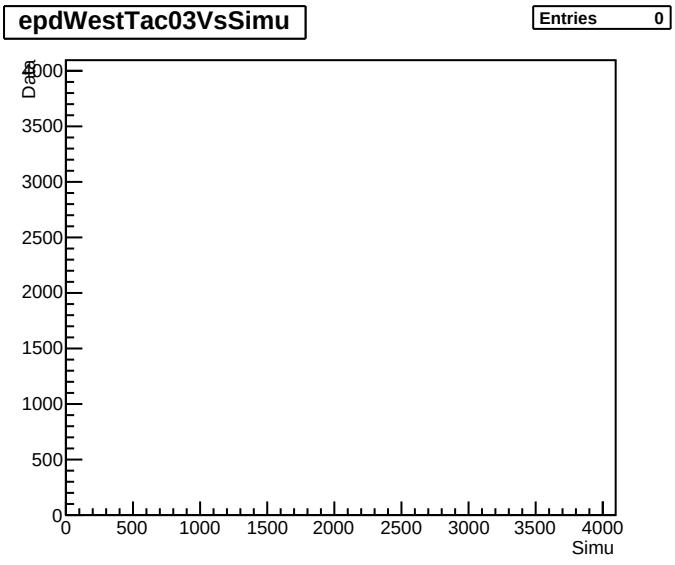
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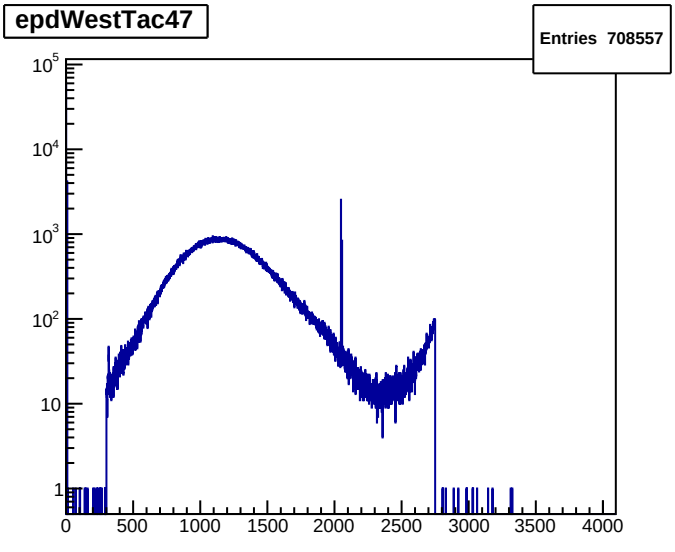
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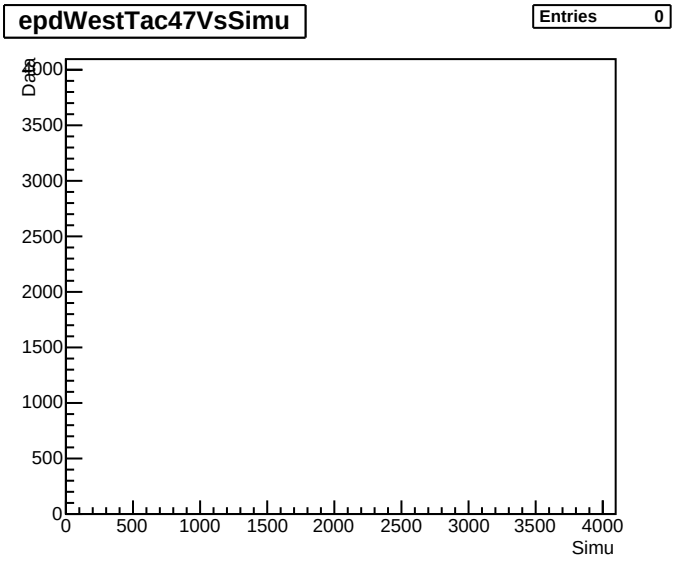
Entries 708557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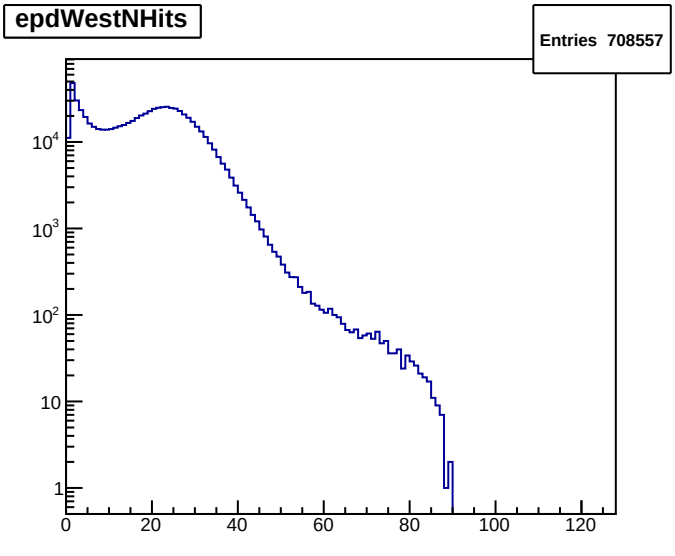
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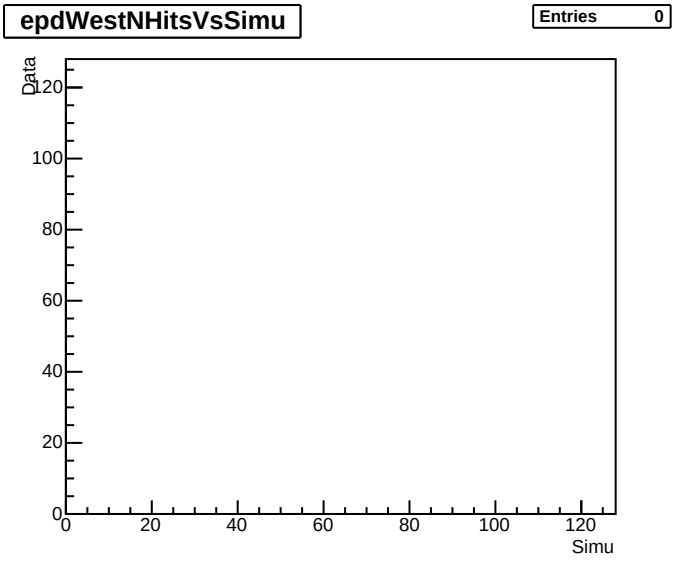
Entries 708557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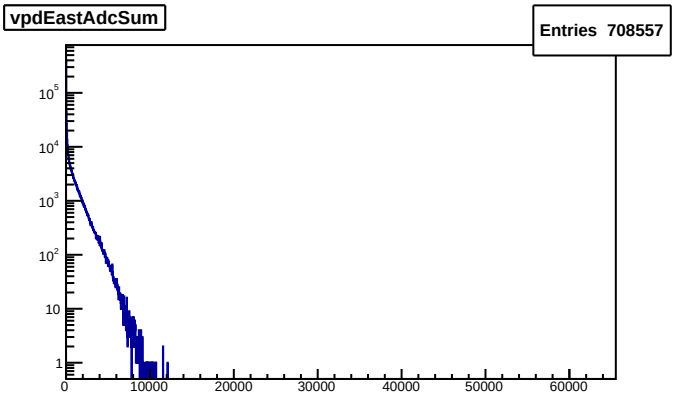
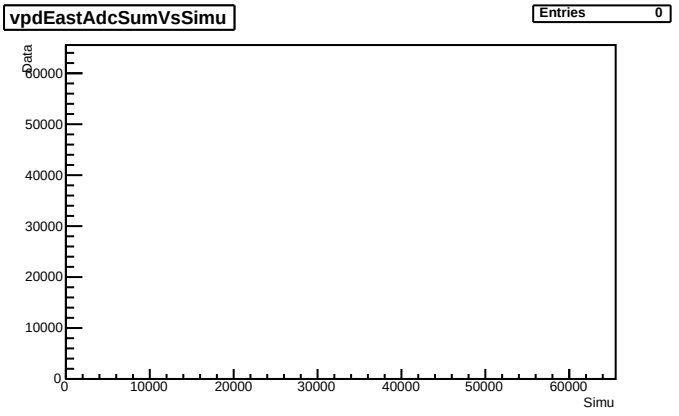
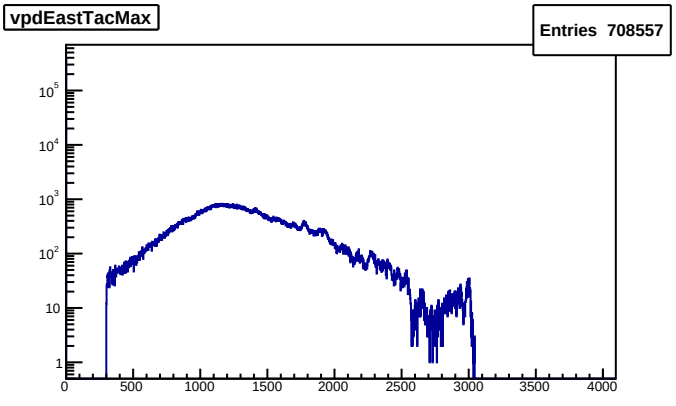
Entries 0
Data
Simu


vpdEastAdcSum
Entries 708557


vpdEastAdcSumVsSimu
Entries 0
Data
Simu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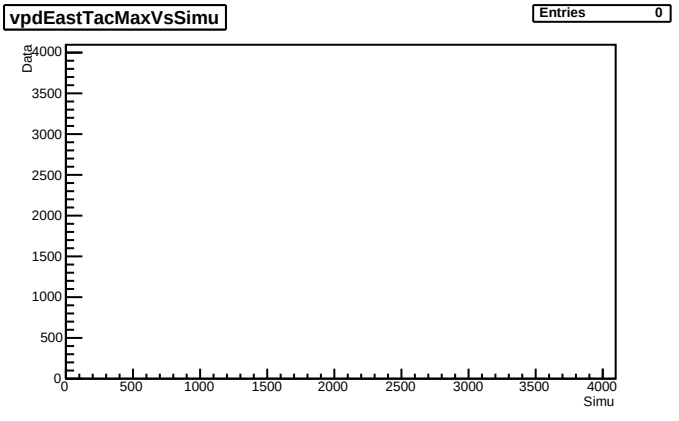
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Data
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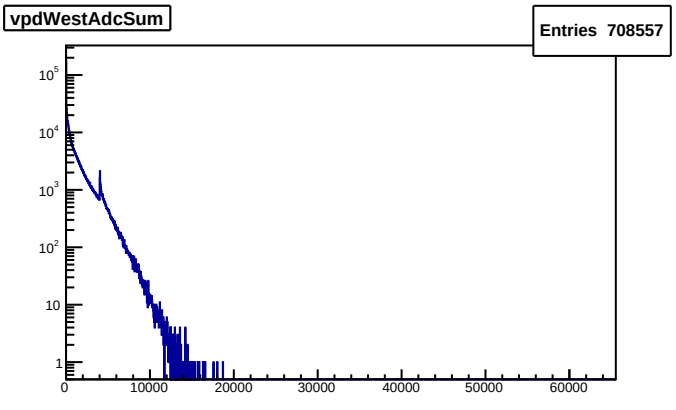
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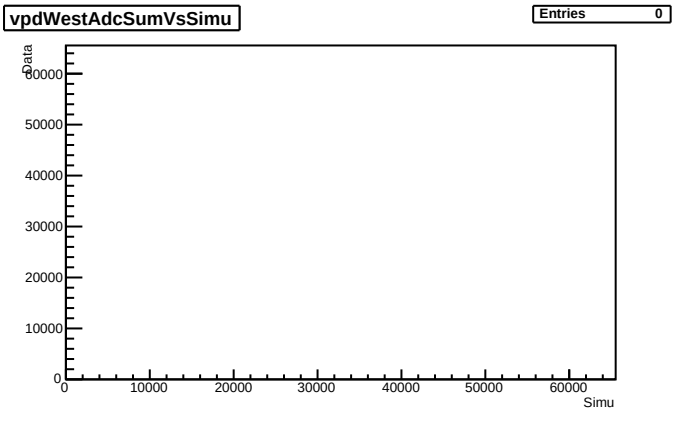
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Entries 0
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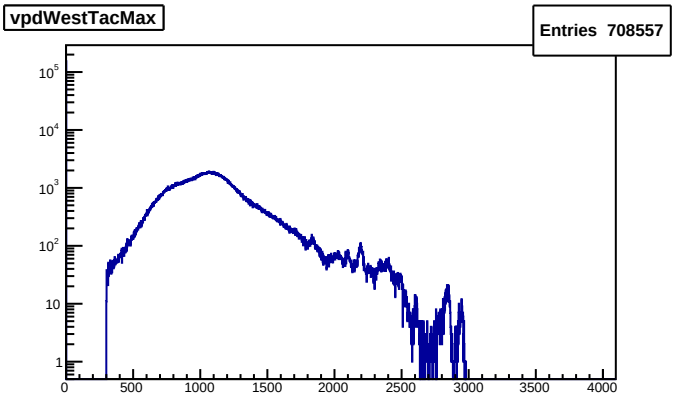
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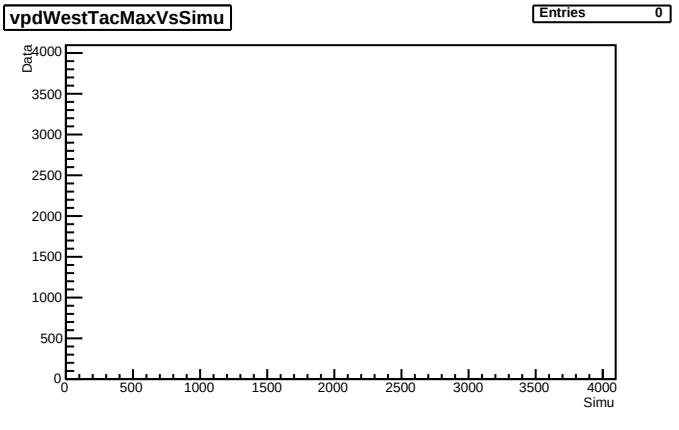
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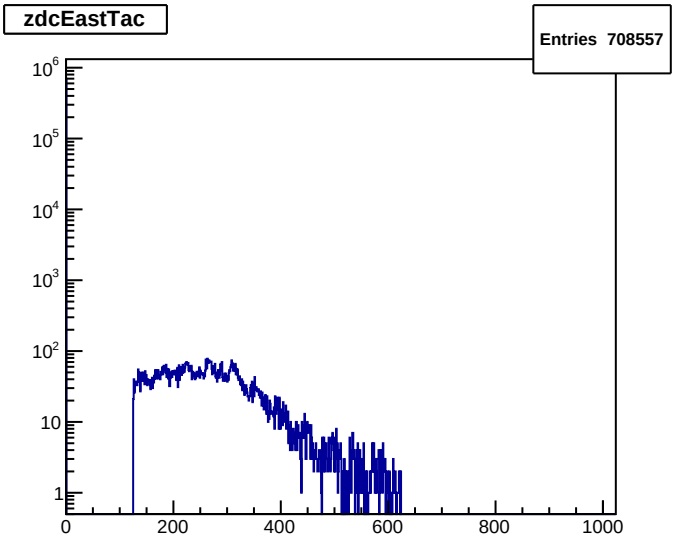
Entries 0
Data
Simu


zdcEastTac
Entries 708557
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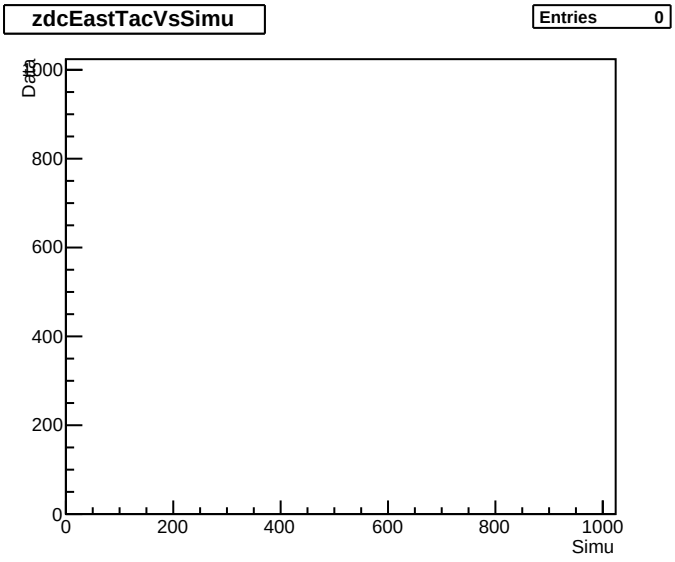
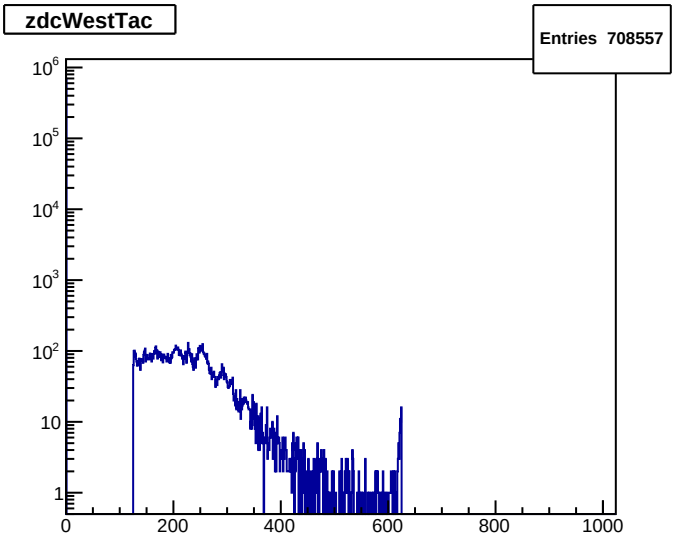
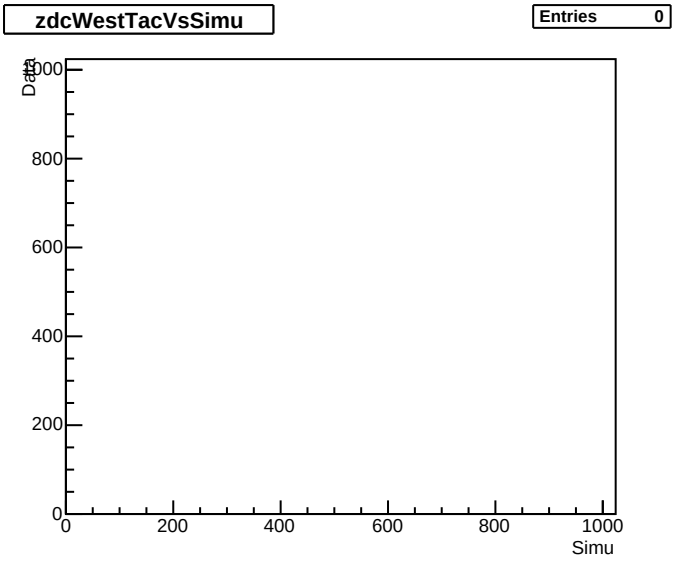
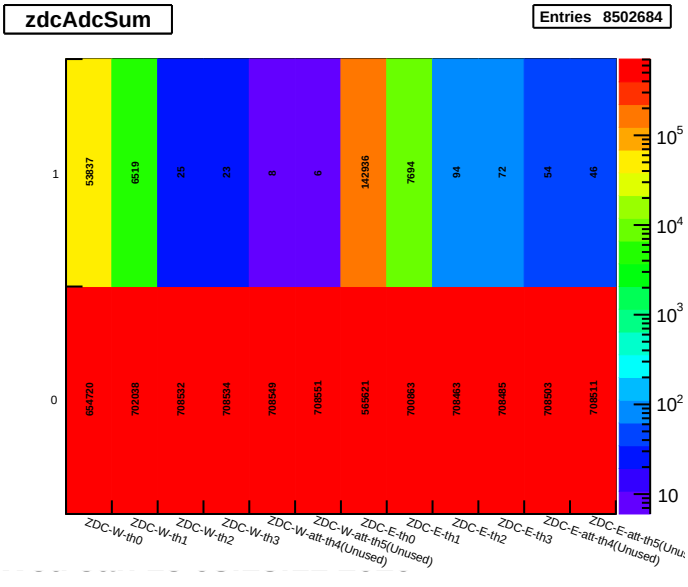
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000


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


zdcWestTac
Entries 708557
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 8502684
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53837
6519
25
23
8
6
142936
7694
94
72
54
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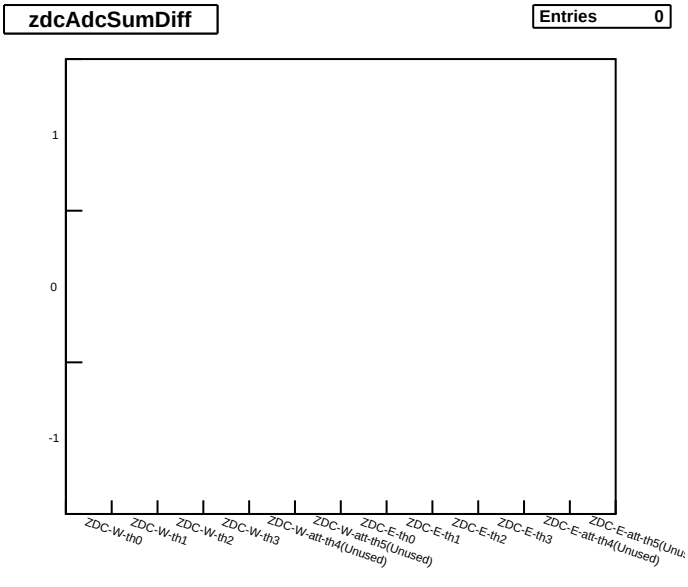
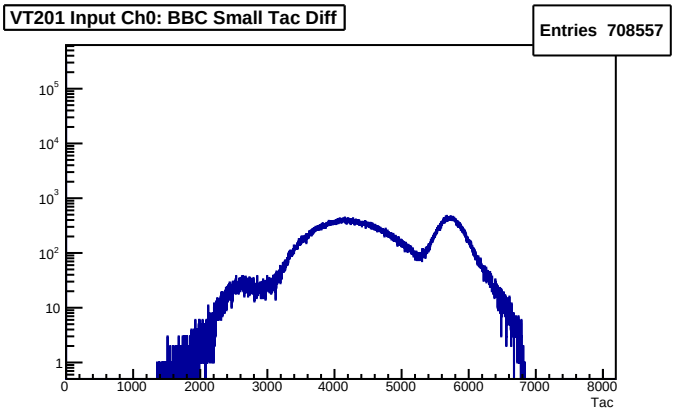
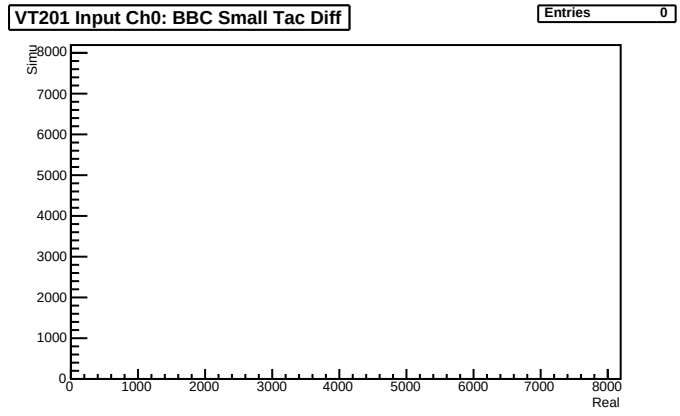
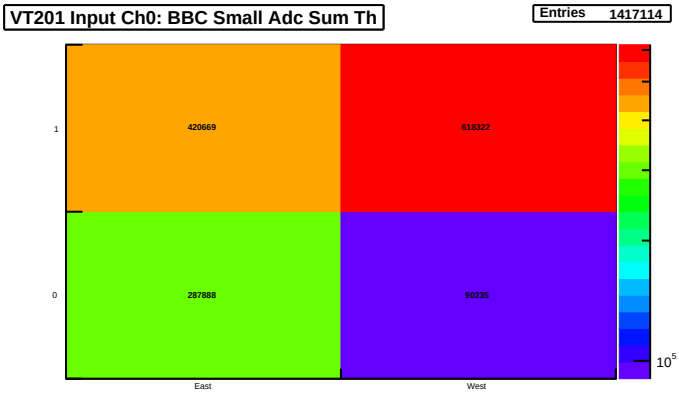
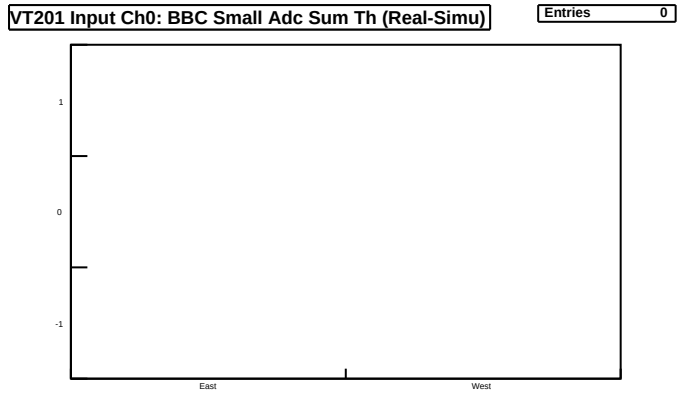
702038
708532
708534
708549
708551
565621
700883
708463
708485
708503
708511
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

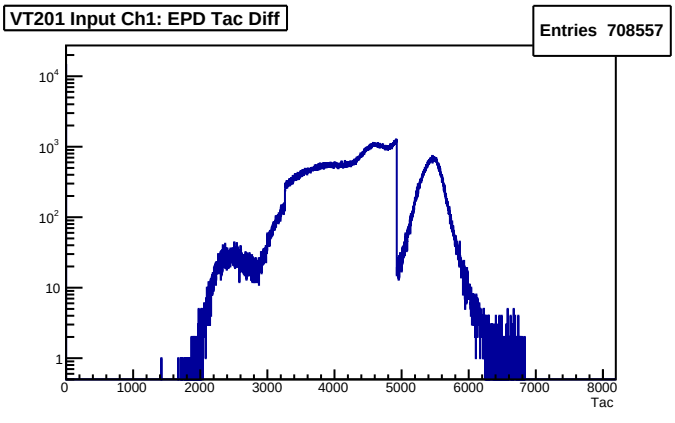

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

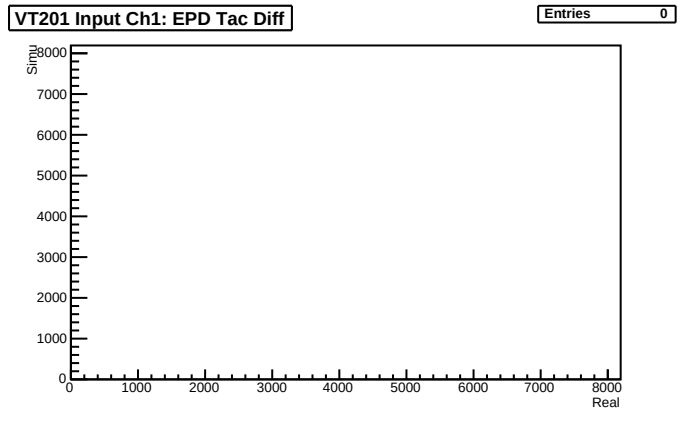

VT201 Input Ch0: BBC Small Tac Diff
Entries 708557
Tac

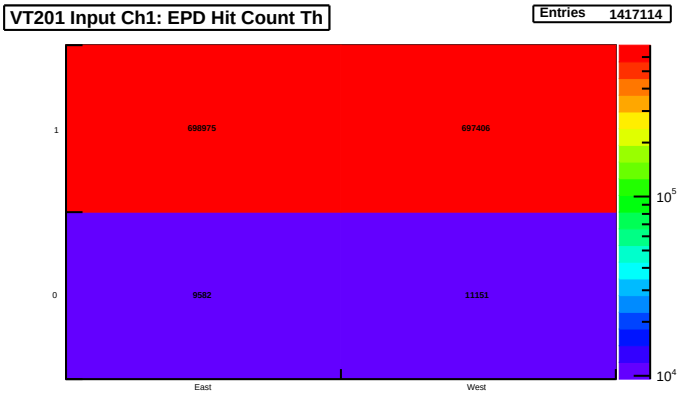

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

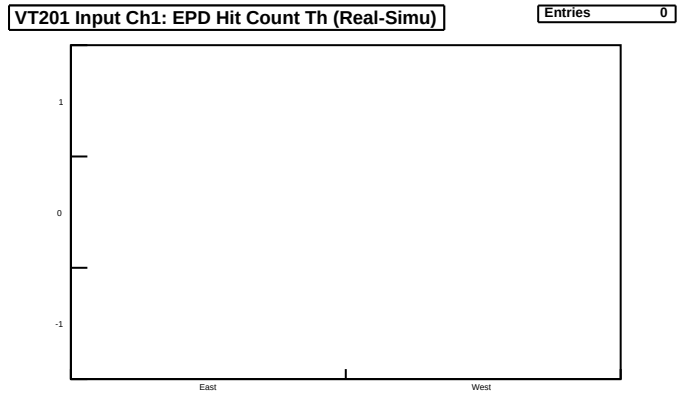

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1417114
420669
618322
287888
90235
East
West

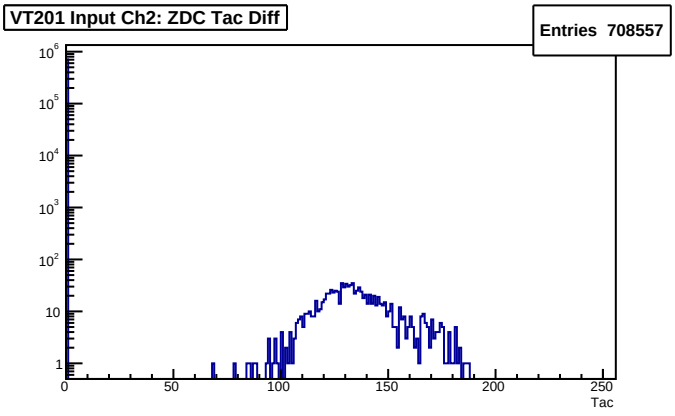

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

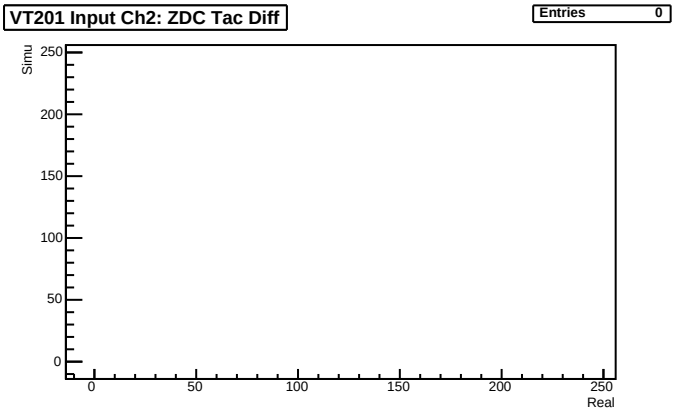

VT201 Input Ch1: EPD Tac Diff
Entries 708557
Tac

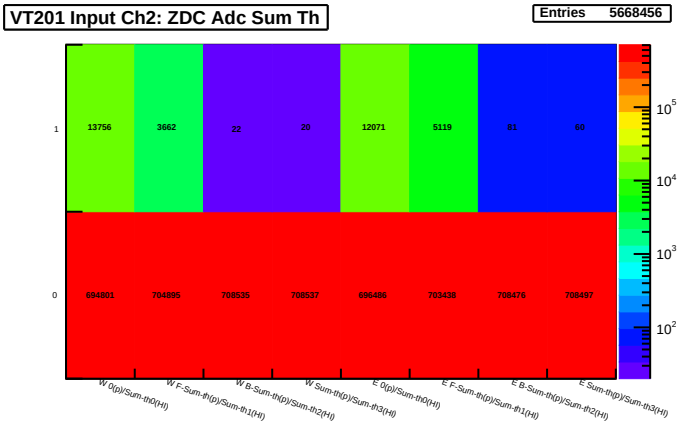

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

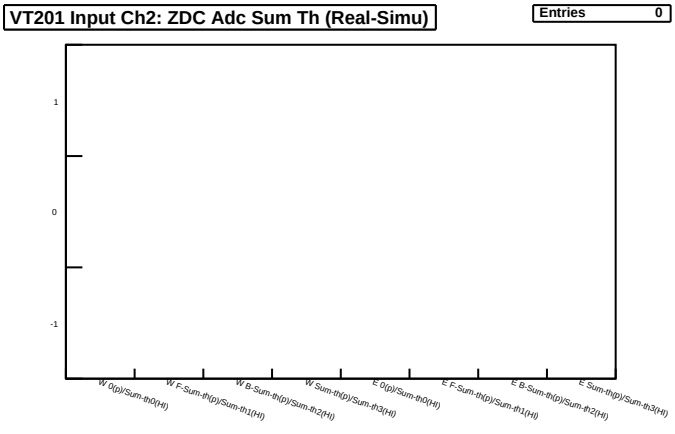

VT201 Input Ch1: EPD Hit Count Th
Entries 1417114
698975
697406
9582
11151
East
West

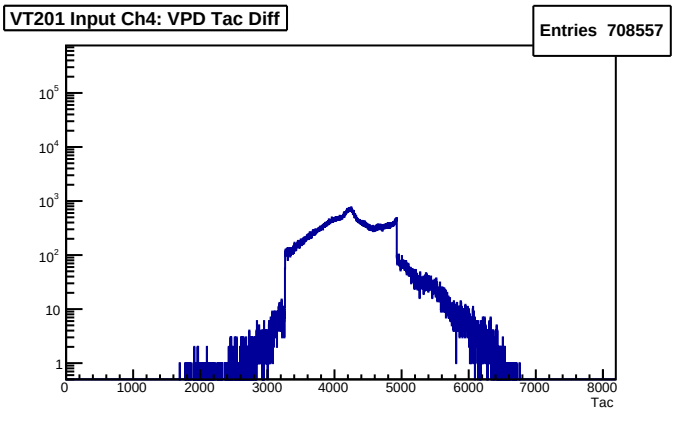

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

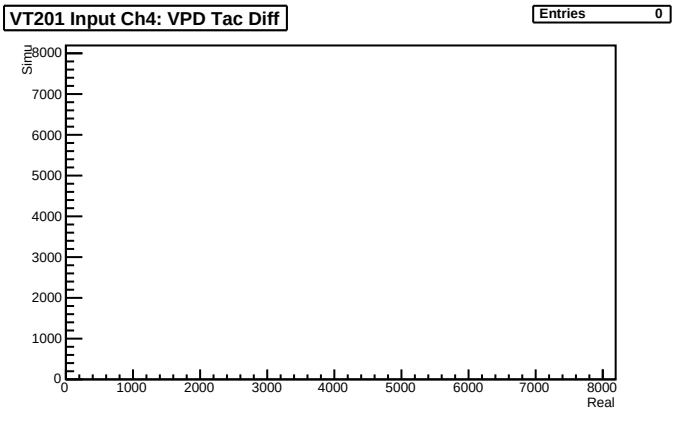

VT201 Input Ch2: ZDC Tac Diff
Entries 708557
Tac

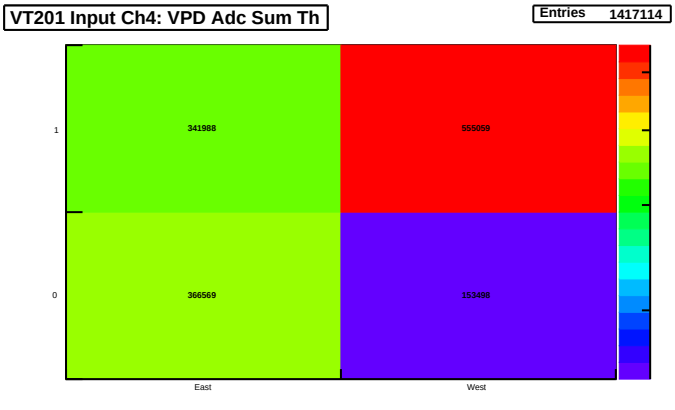

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

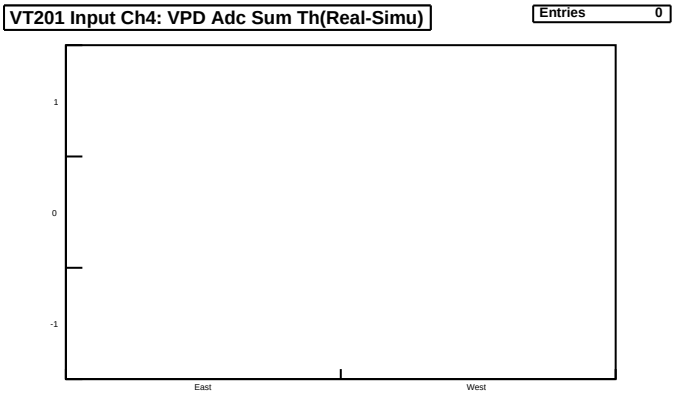

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5668456
13756
3662
22
20
12071
5119
81
60
694801
704895
708535
708537
696486
703438
708476
708497
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

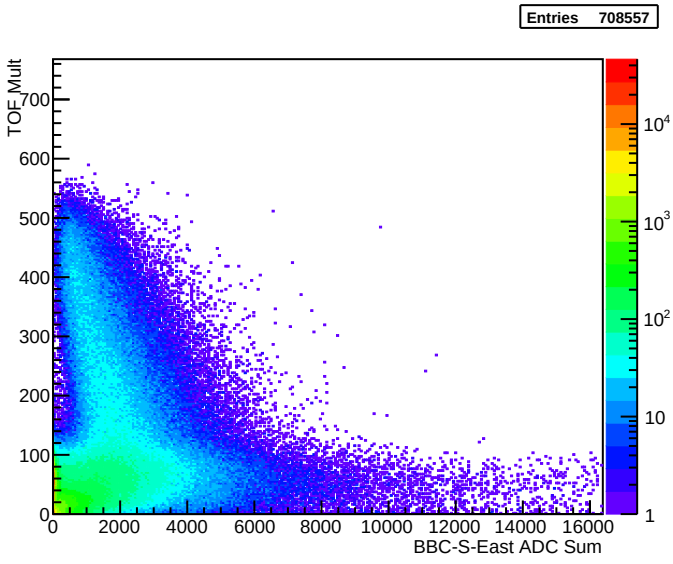

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

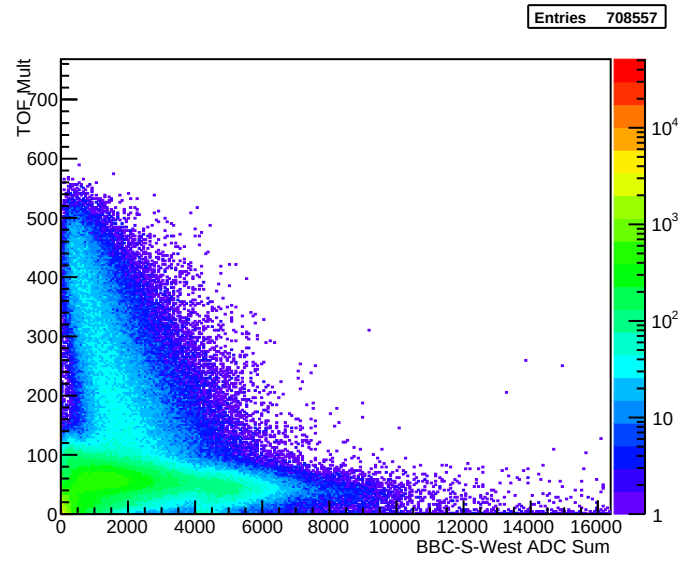

VT201 Input Ch4: VPD Tac Diff
Entries 708557
Tac

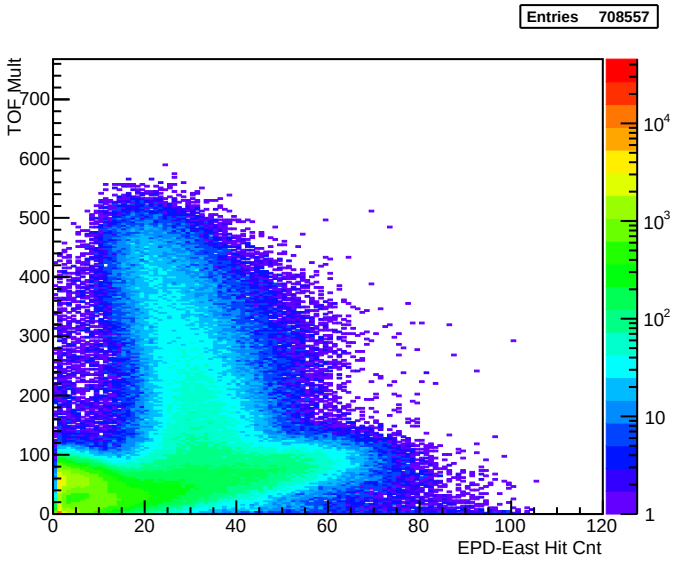

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

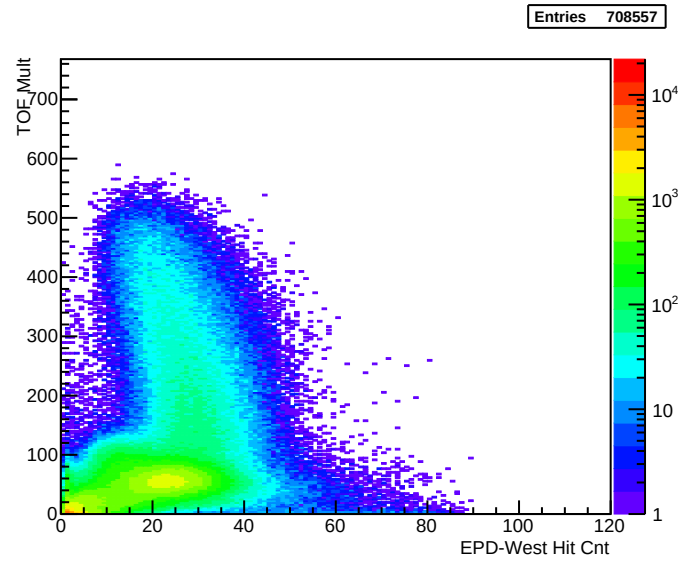

VT201 Input Ch4: VPD Adc Sum Th
Entries 1417114
341988
555059
366569
153498
East
West

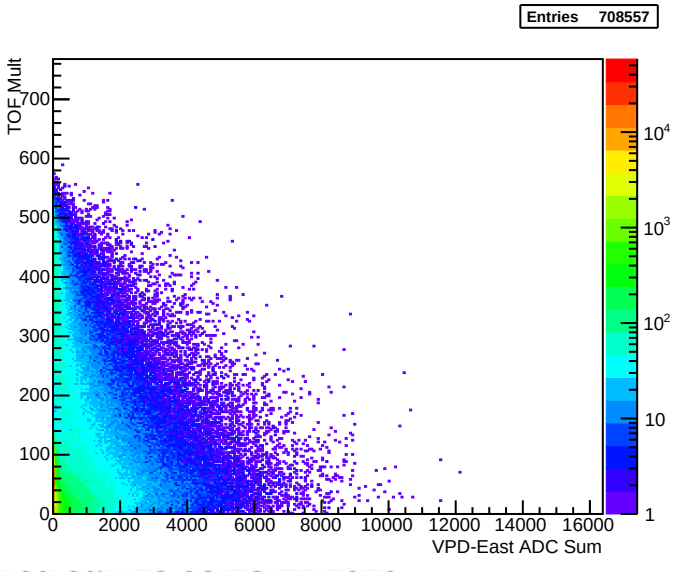

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

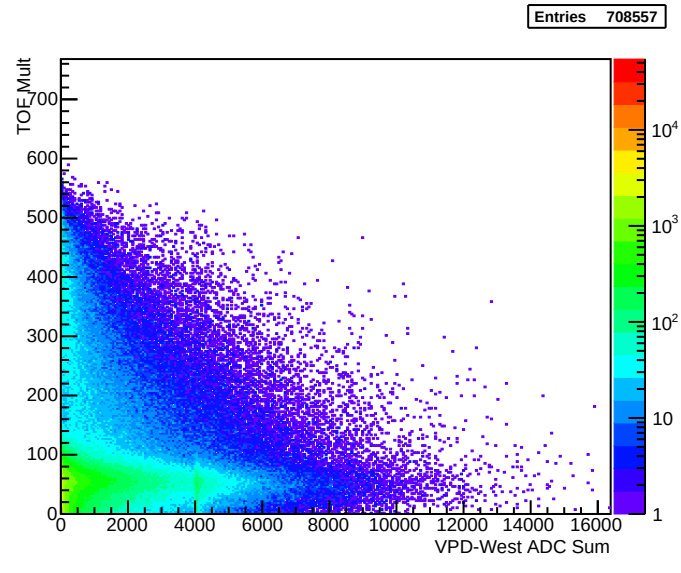

Entries 708557
TOF_Mult
BBC-S-East ADC Sum

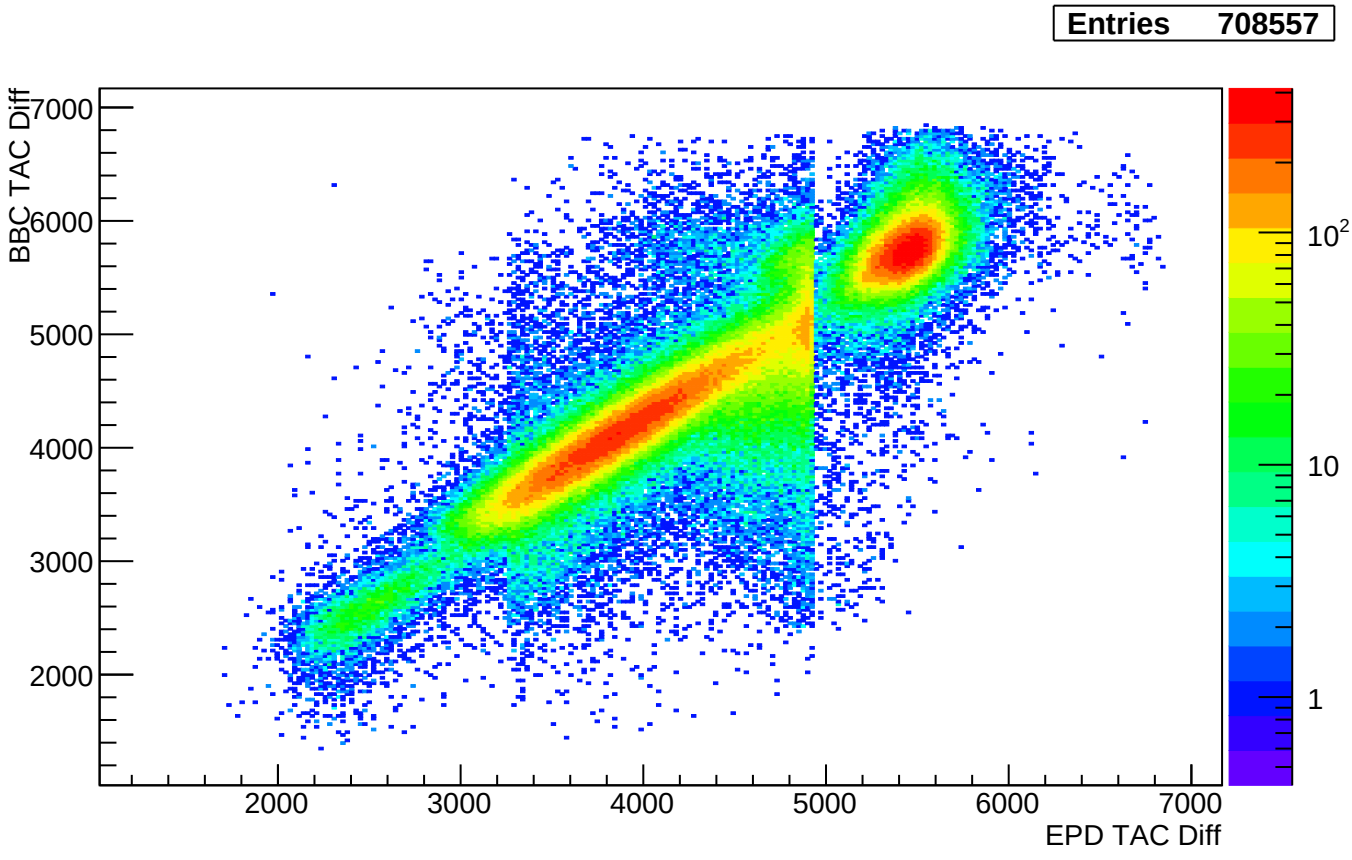

Entries 708557
TOF_Mult
BBC-S-West ADC Sum

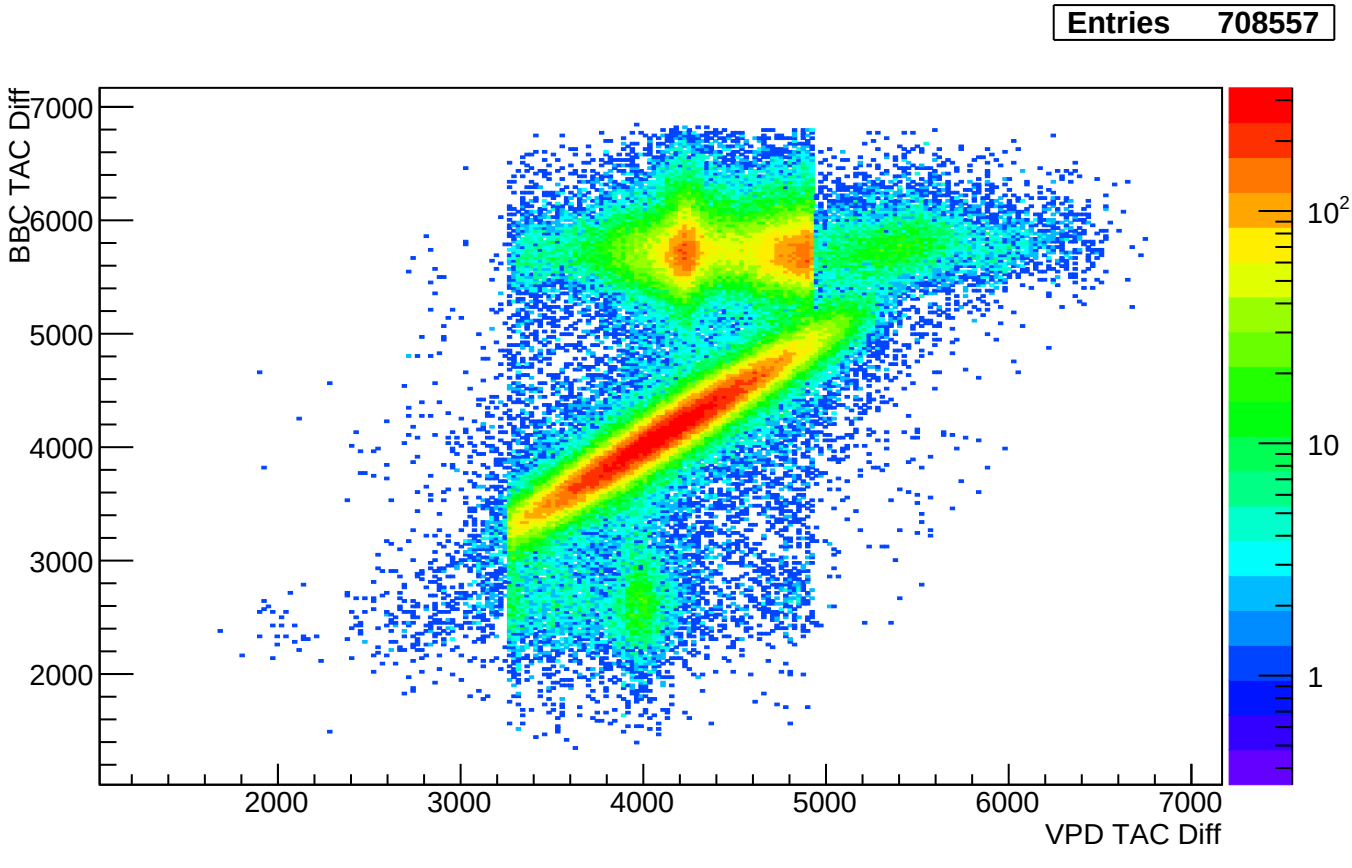

Entries 708557
TOF_Mult
EPD-East Hit Cnt

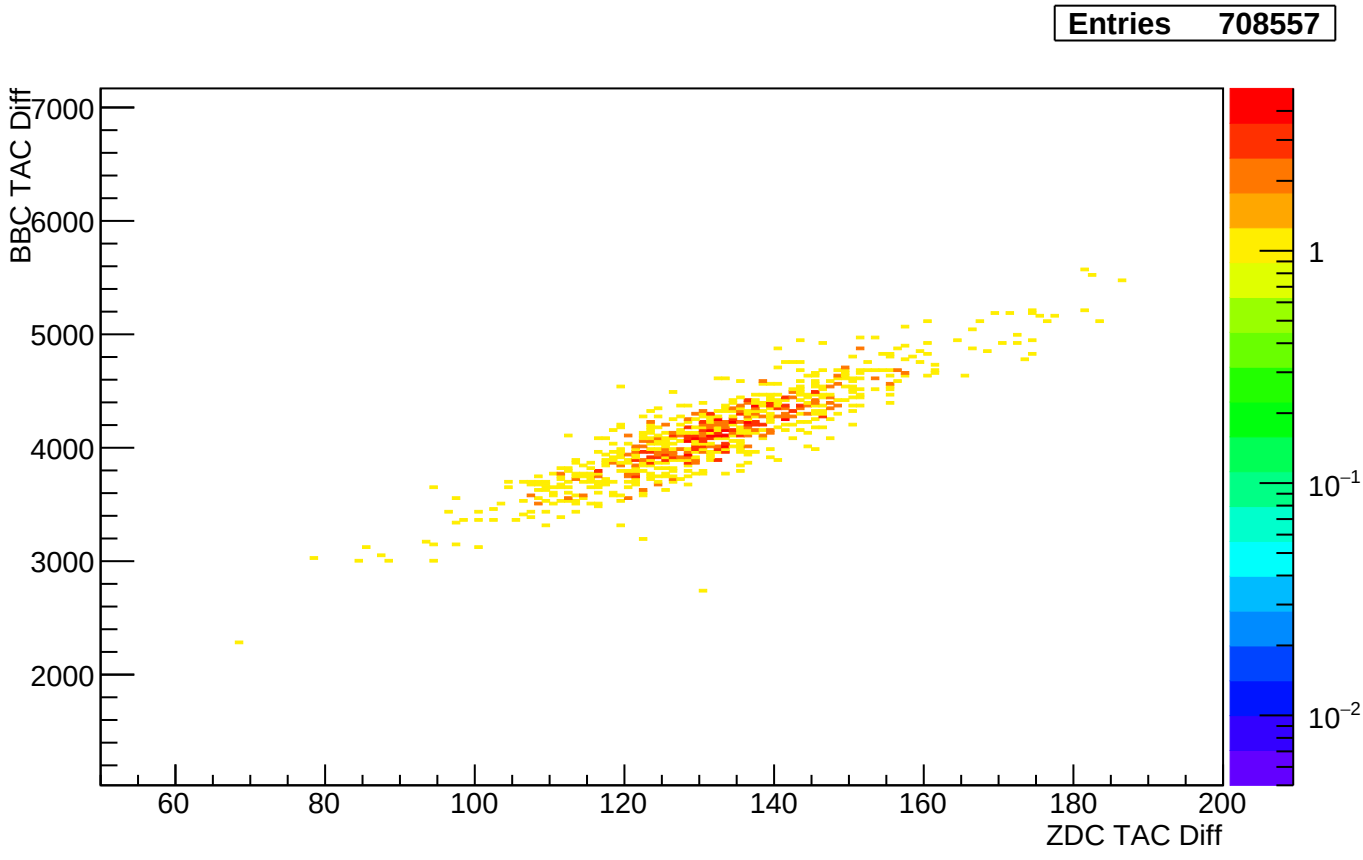

Entries 708557
TOF_Mult
EPD-West Hit Cnt

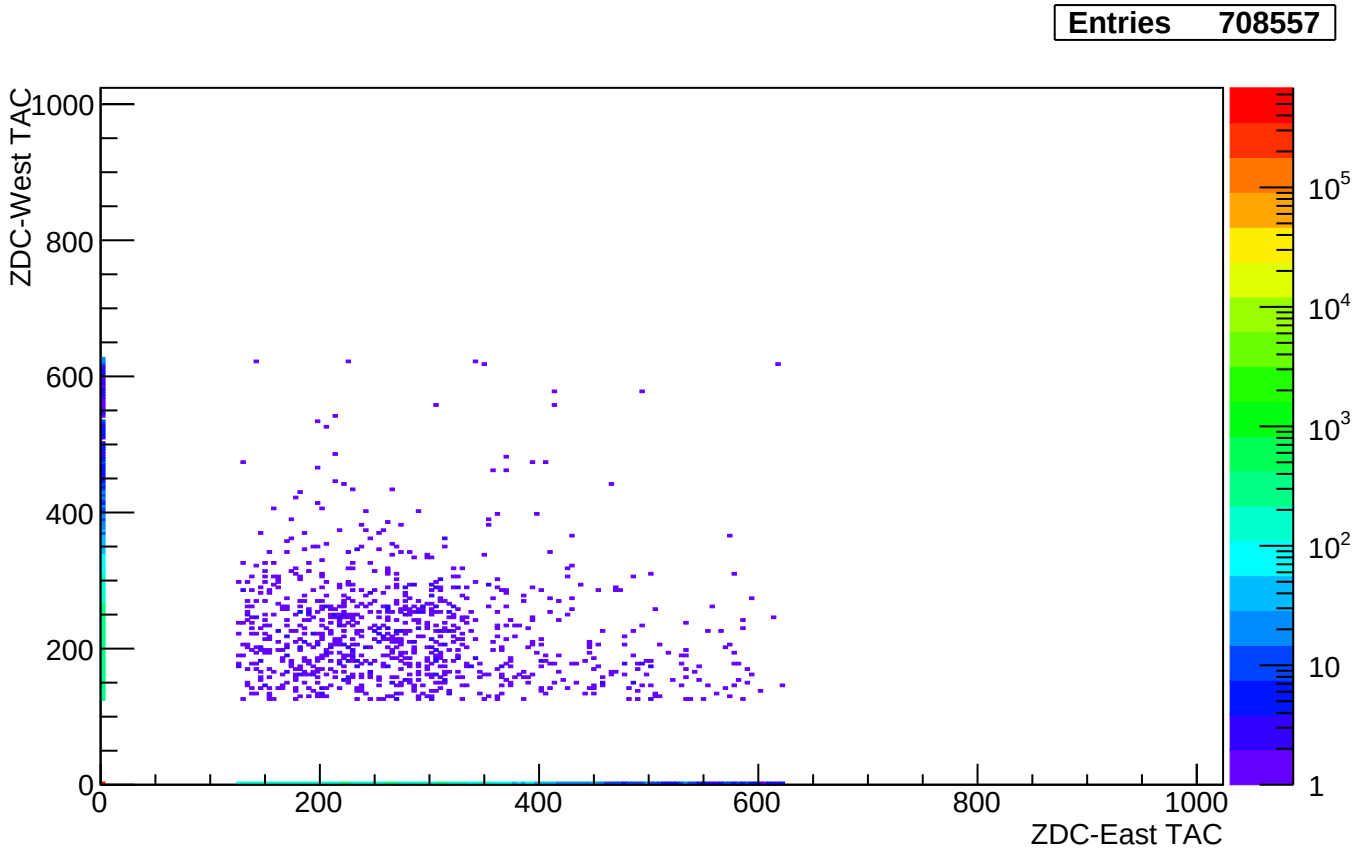

Entries 708557
TOF_Mult
VPD-East ADC Sum

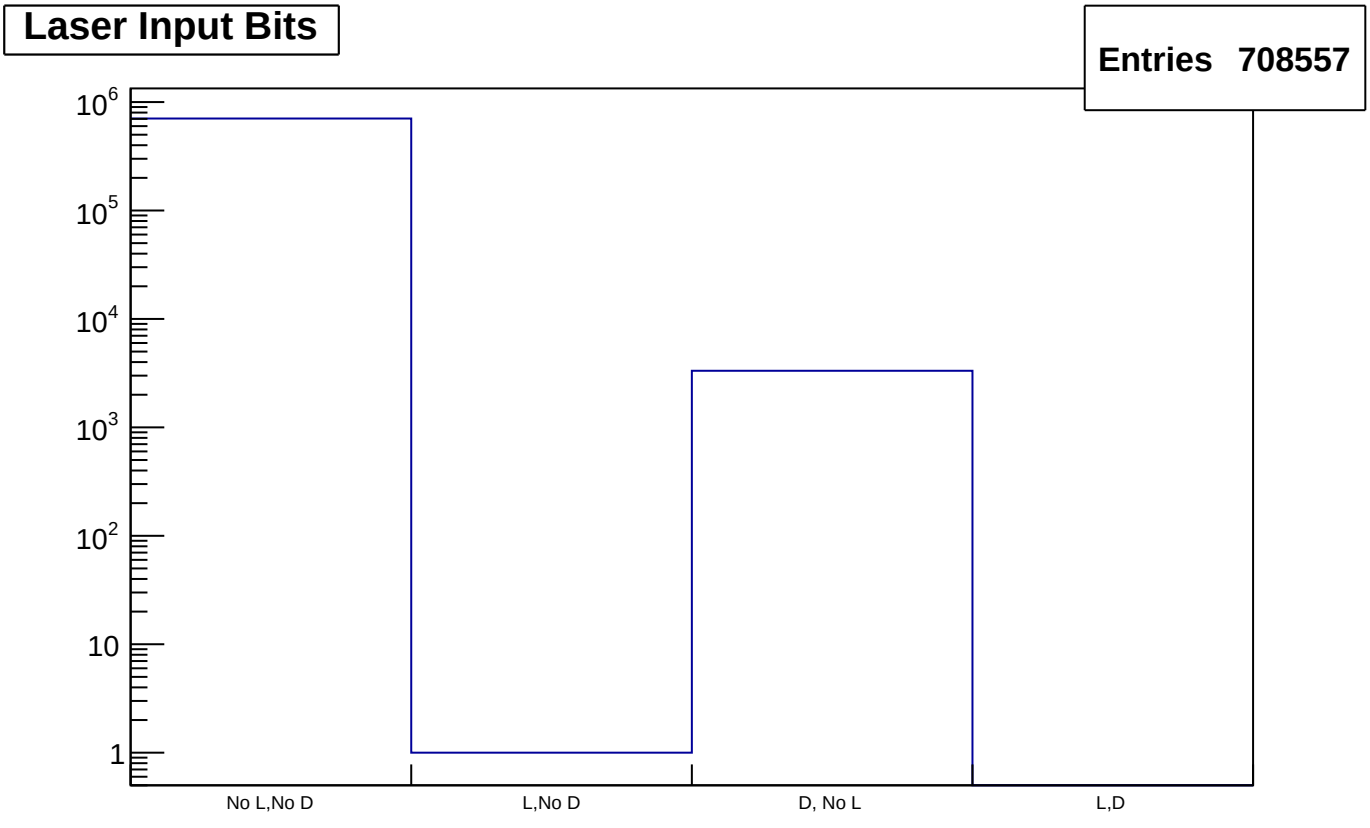

Entries 708557
TOF_Mult
VPD-West ADC Sum

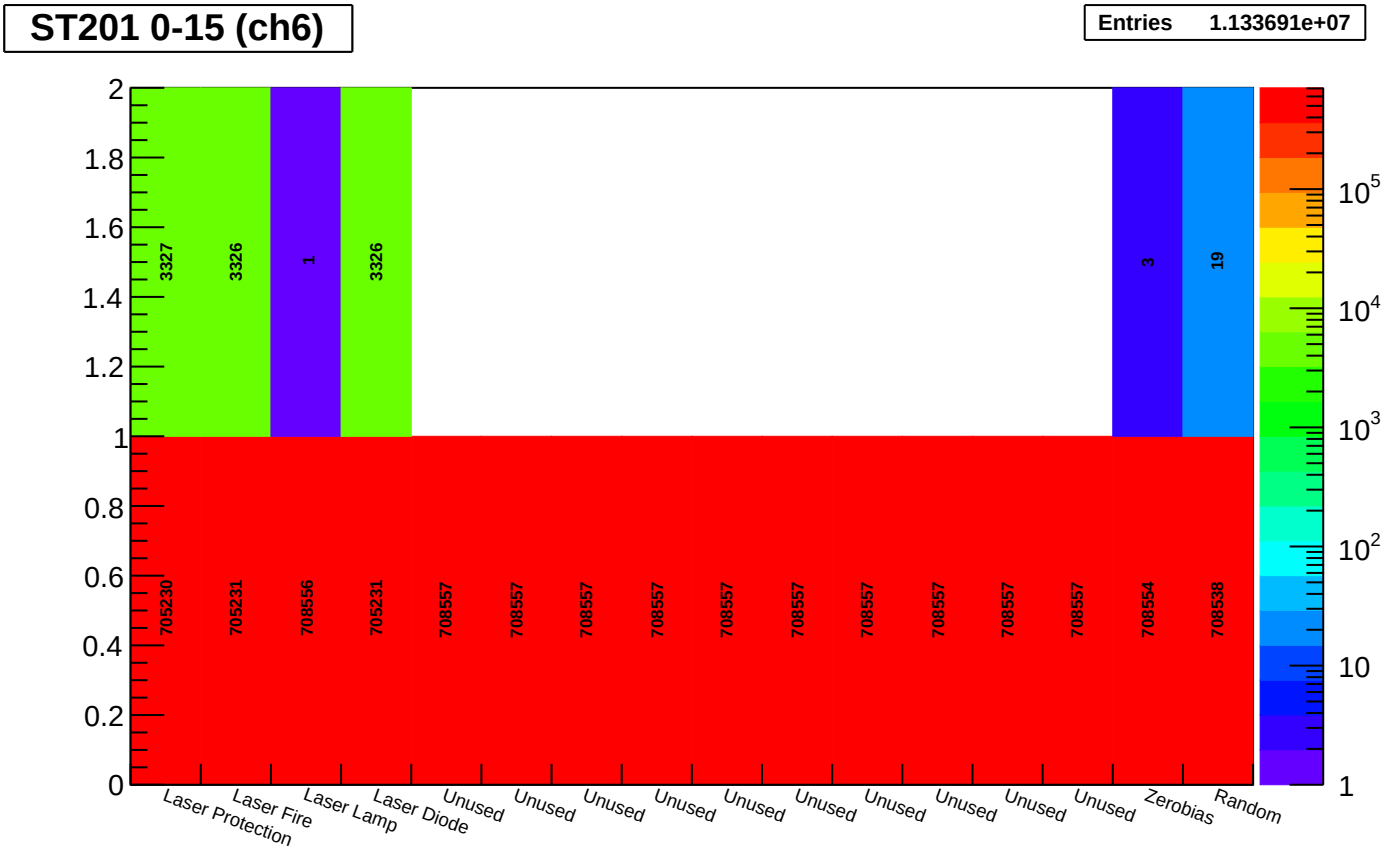

Entries 708557
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

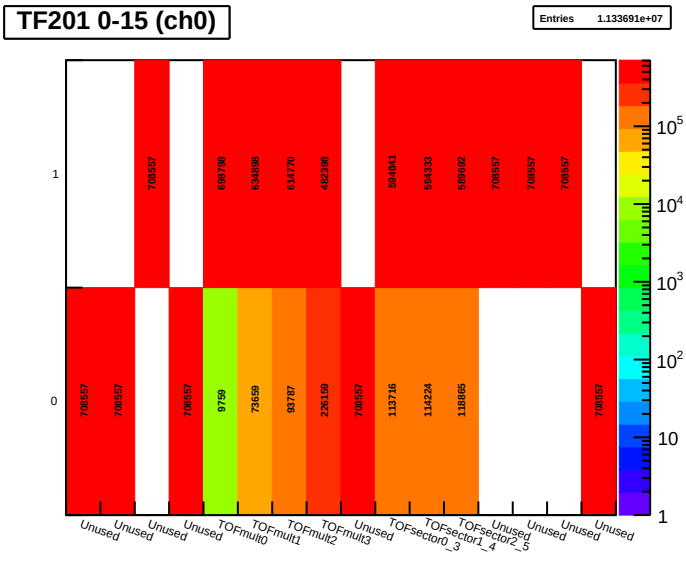

Entries 708557
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

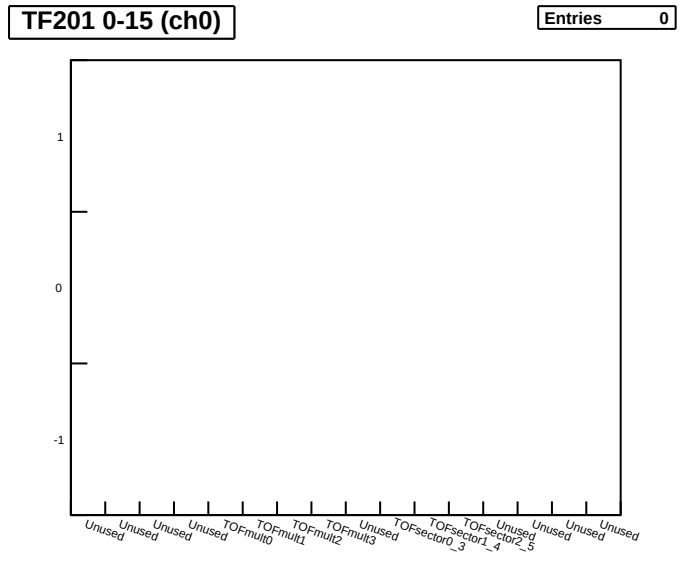

Entries 708557
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

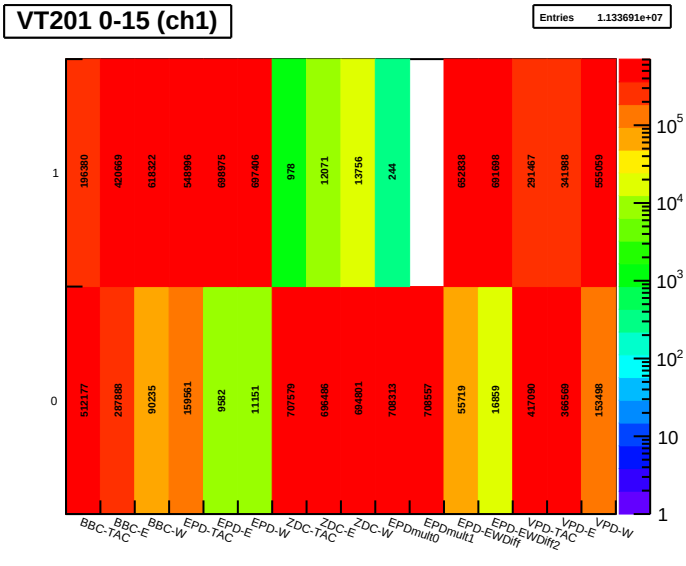

Entries 708557
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

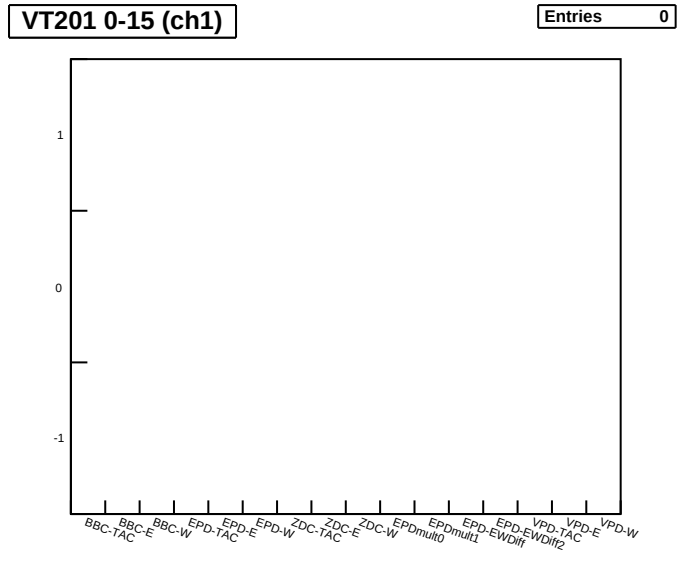

Laser Input Bits
Entries 708557
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

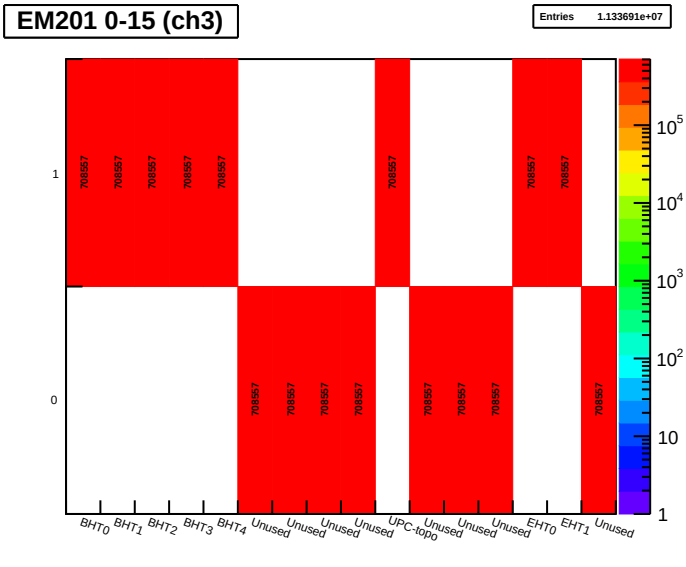

ST201 0-15 (ch6)
Entries 1.133691e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3327
3326
1
3326
3
19
705230
705231
708556
705231
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708554
708538
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

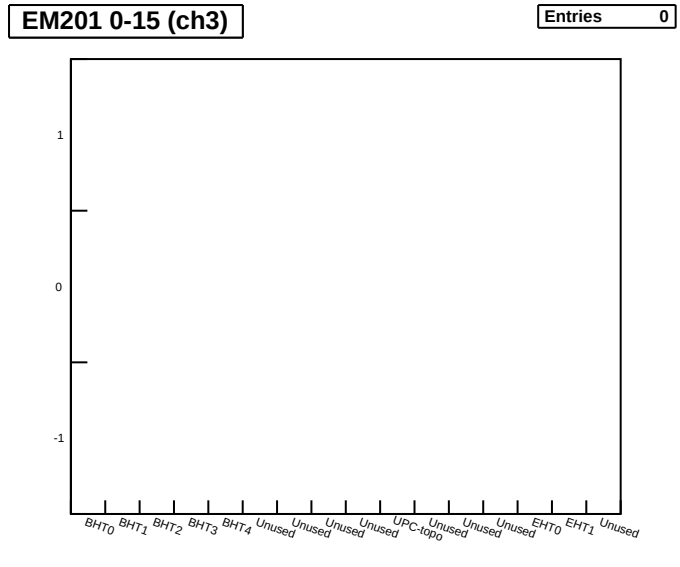

TF201 0-15 (ch0)
Entries 1.133691e+07
1
0
708557
638798
634898
614770
482398
594941
594333
589692
708557
708557
708557
708557
708557
708557
9799
73659
93767
226159
708557
113716
114224
118865
708557
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
1
10
10^2
10^3
10^4
10^5


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


VT201 0-15 (ch1)
Entries 1.133691e+07
1
0
196380
420669
618322
548996
698975
697406
978
12071
13756
244
652858
691698
291467
341988
555059
512177
287888
90235
159561
9582
11151
707579
698486
694301
708313
708557
55719
16859
417090
366569
153498
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
1
10
10^2
10^3
10^4
10^5


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


EM201 0-15 (ch3)
Entries 1.133691e+07
1
0
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
708557
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
1
10
10^2
10^3
10^4
10^5


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