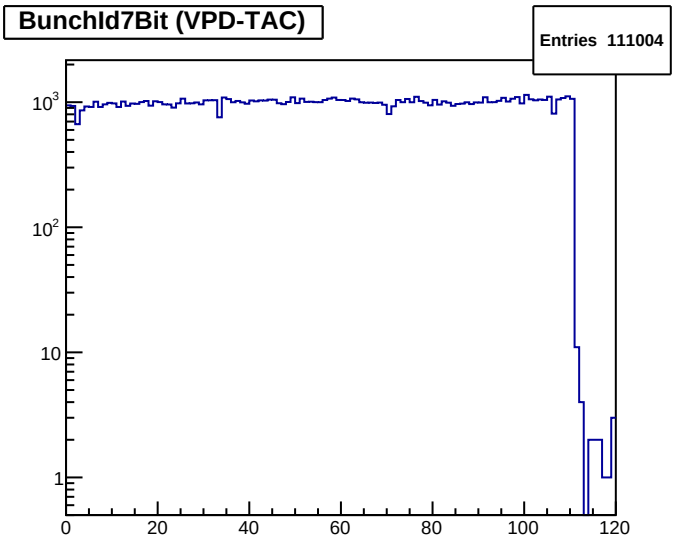
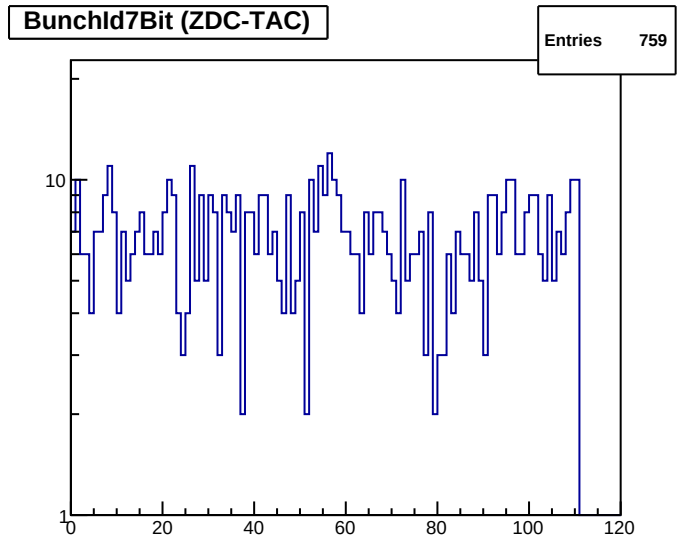
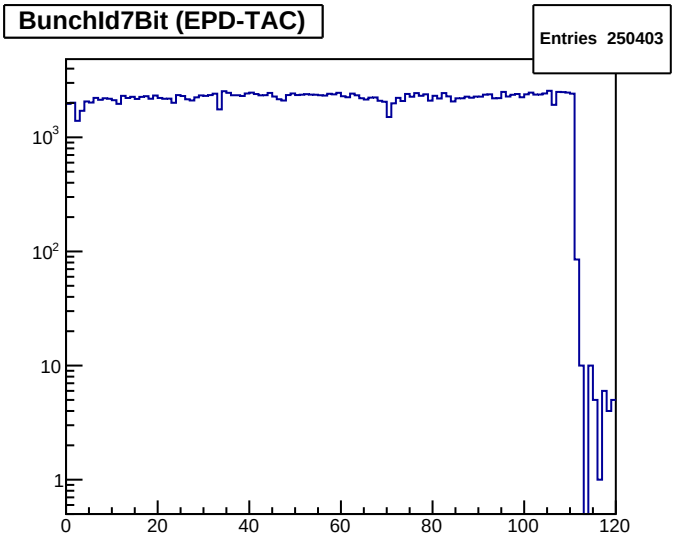
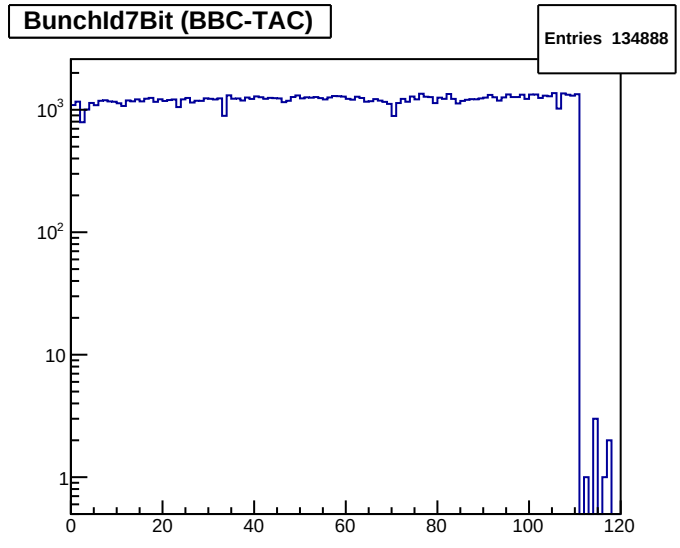
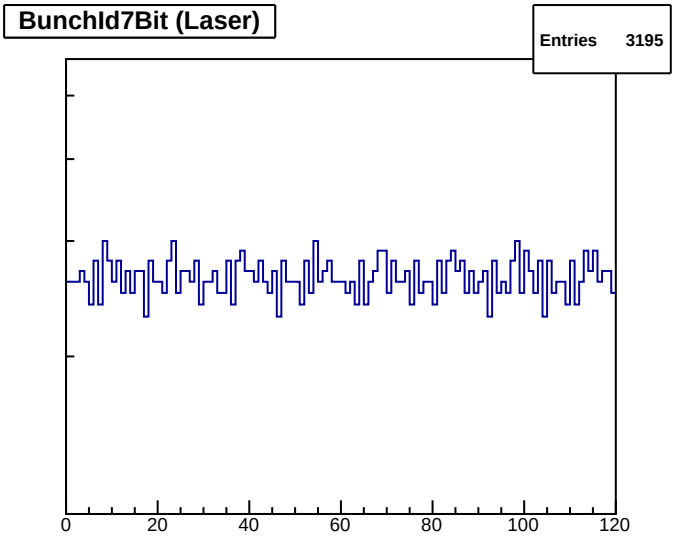
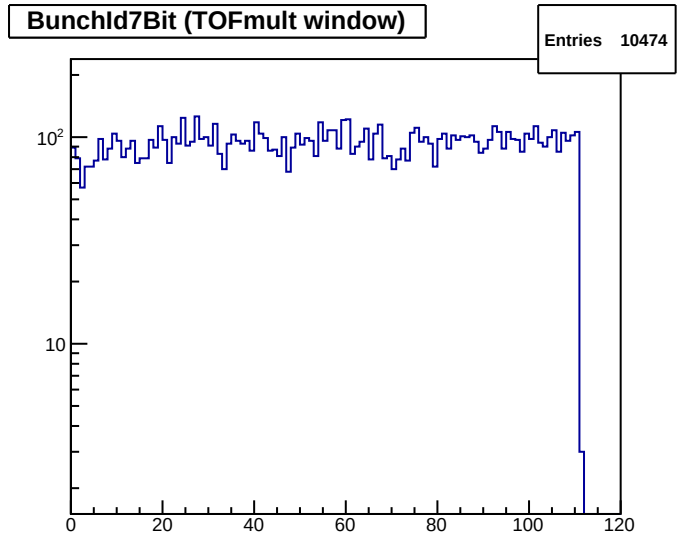

BunchId7Bit (VPD-TAC)
Entries 111004

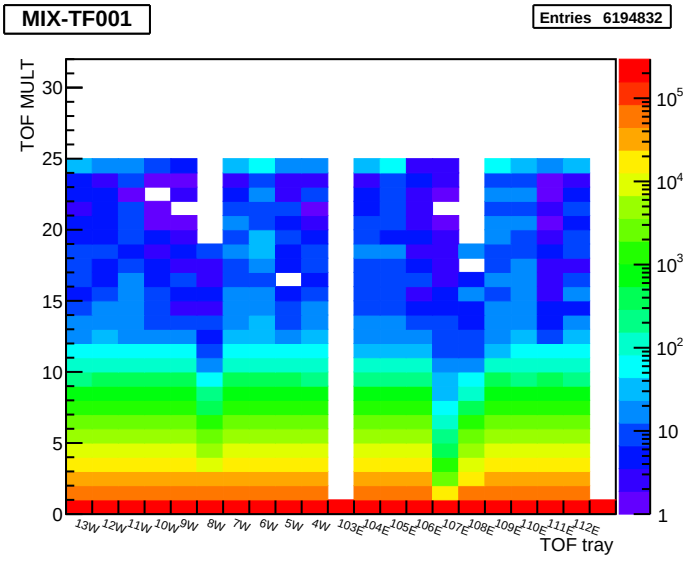

BunchId7Bit (ZDC-TAC)
Entries 759

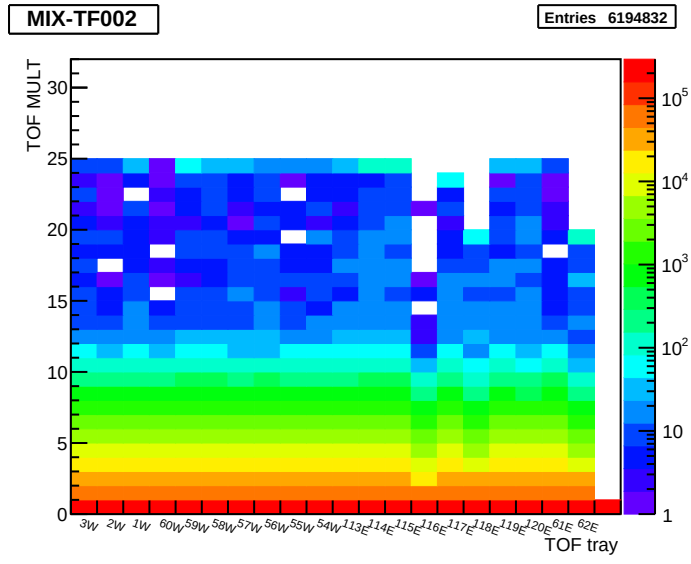

BunchId7Bit (EPD-TAC)
Entries 250403

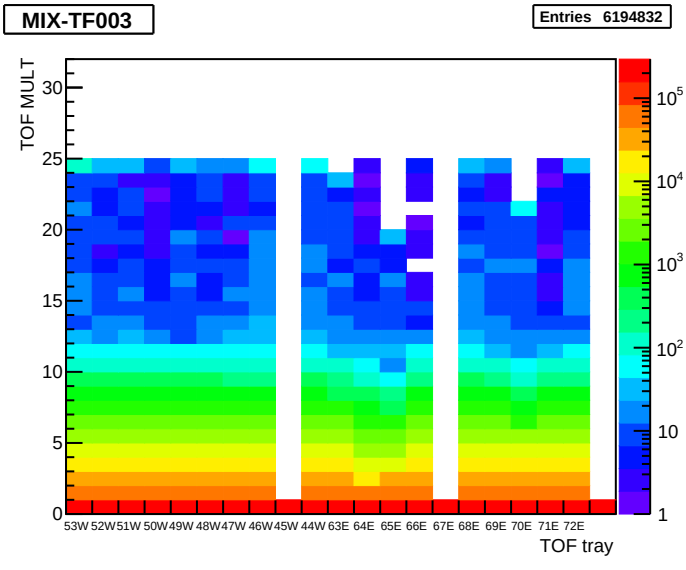

BunchId7Bit (BBC-TAC)
Entries 134888

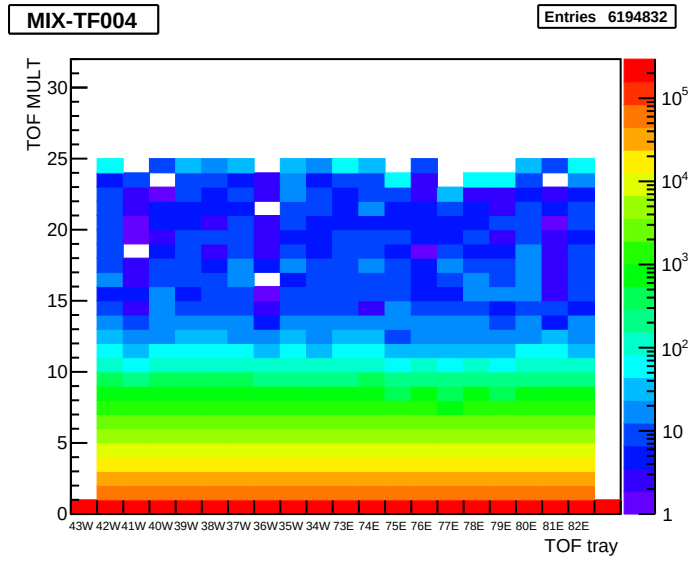

BunchId7Bit (Laser)
Entries 3195

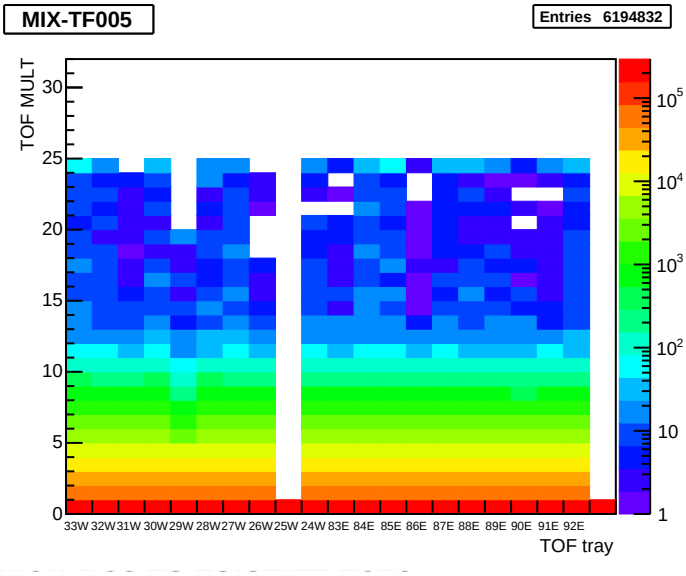

BunchId7Bit (TOFmult window)
Entries 10474

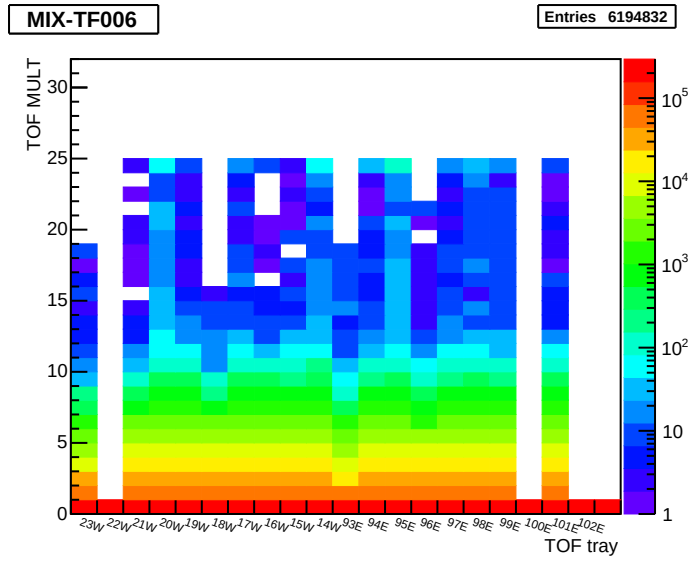

MIX-TF001
Entries 6194832
TOF MULT
TOF tray

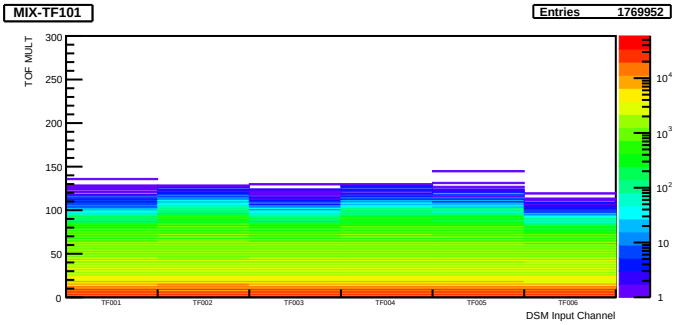

MIX-TF002
Entries 6194832
TOF MULT
TOF tray

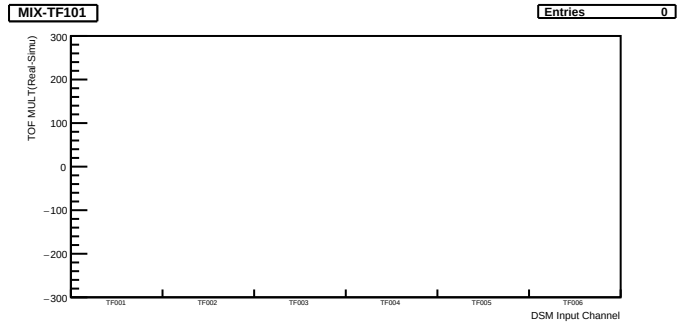

MIX-TF003
Entries 6194832
TOF MULT
TOF tray

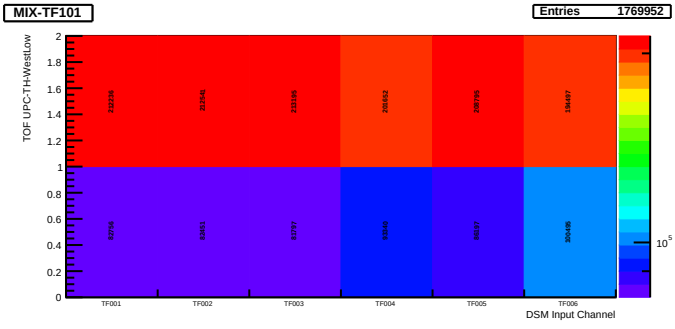

MIX-TF004
Entries 6194832
TOF MULT
TOF tray

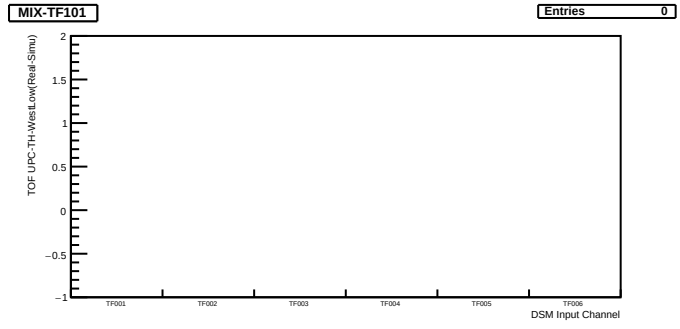

MIX-TF005
Entries 6194832
TOF MULT
TOF tray

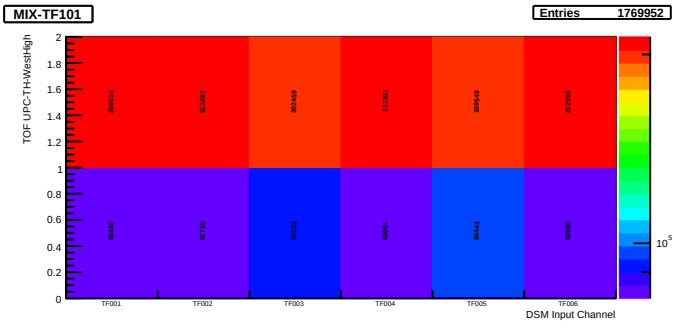

MIX-TF006
Entries 6194832
TOF MULT
TOF tray

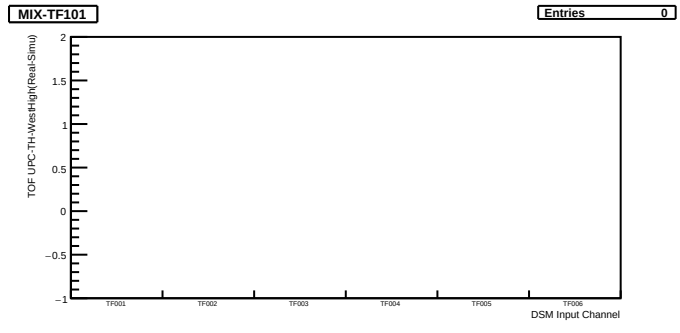

MIX-TF101
Entries 1769952
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

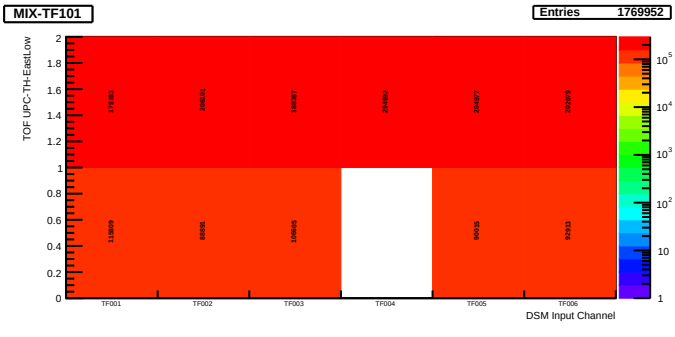

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

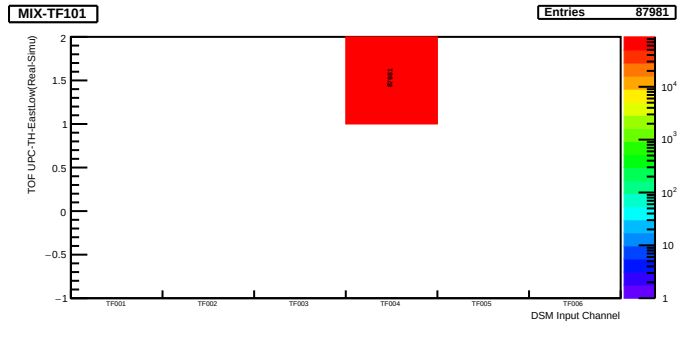

MIX-TF101
Entries 1769952
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

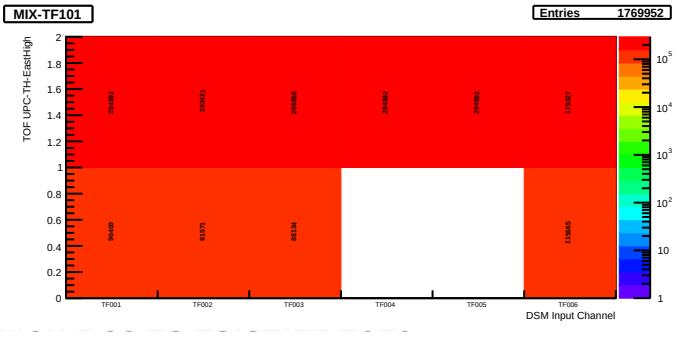

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

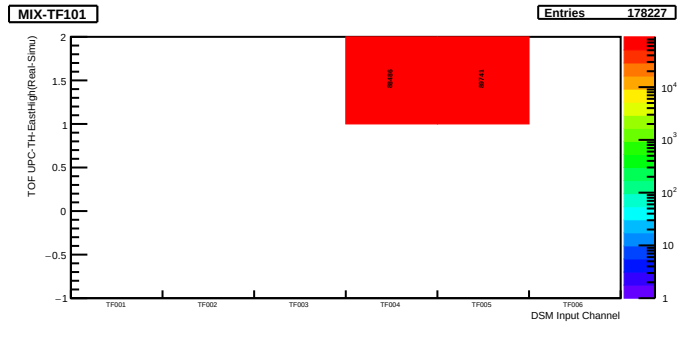

MIX-TF101
Entries 1769952
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

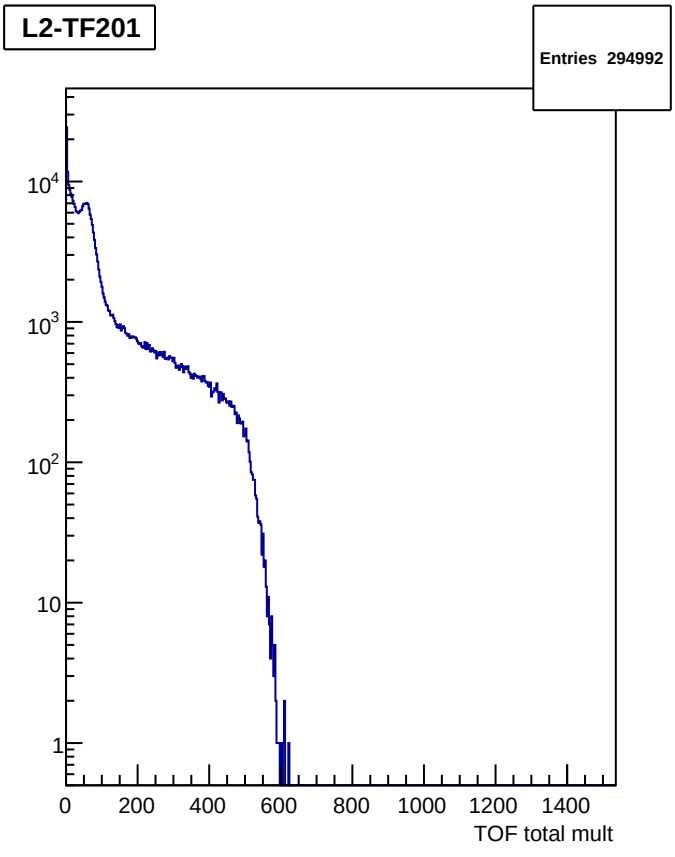

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

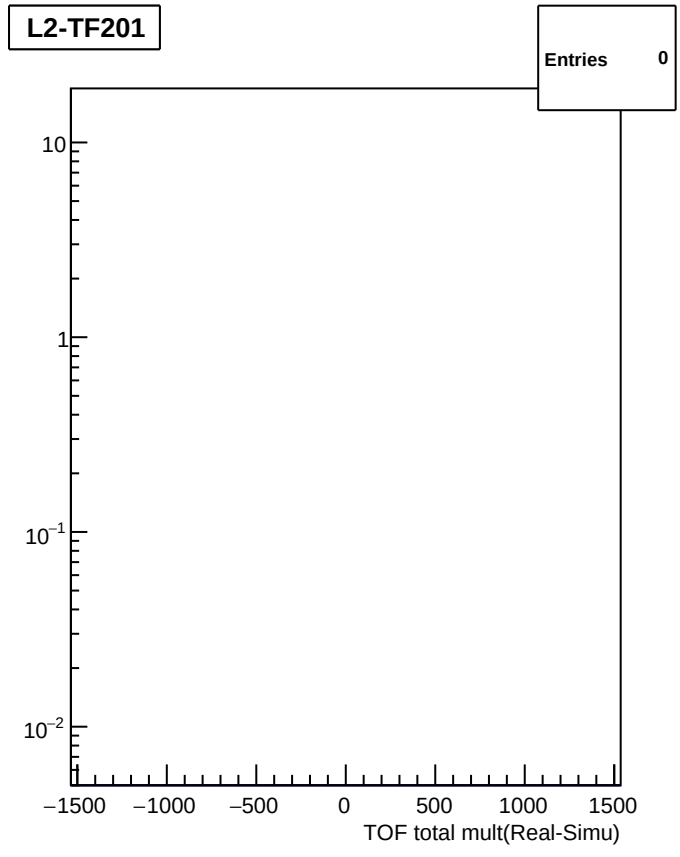

MIX-TF101
Entries 1769952
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

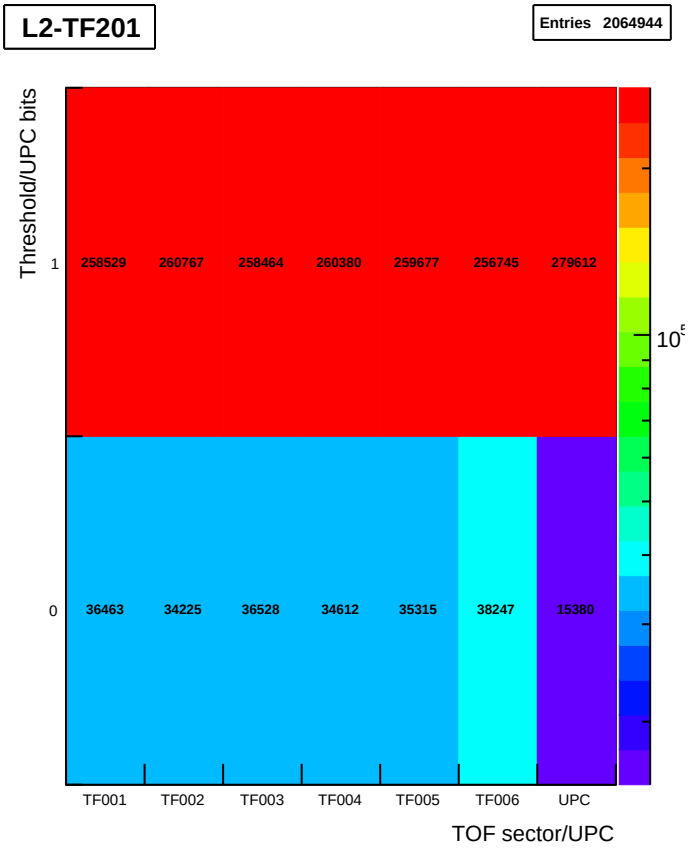

MIX-TF101
Entries 87981
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

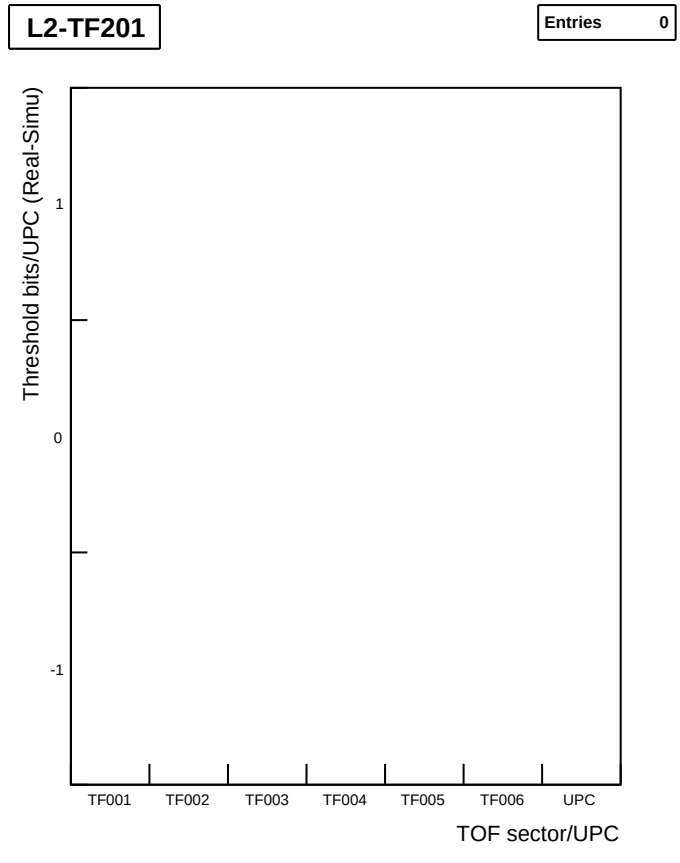

MIX-TF101
Entries 1769952
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

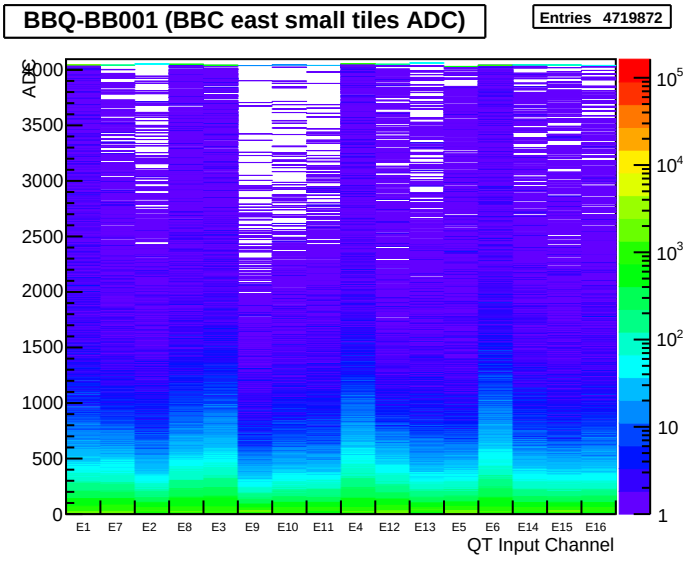

MIX-TF101
Entries 178227
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

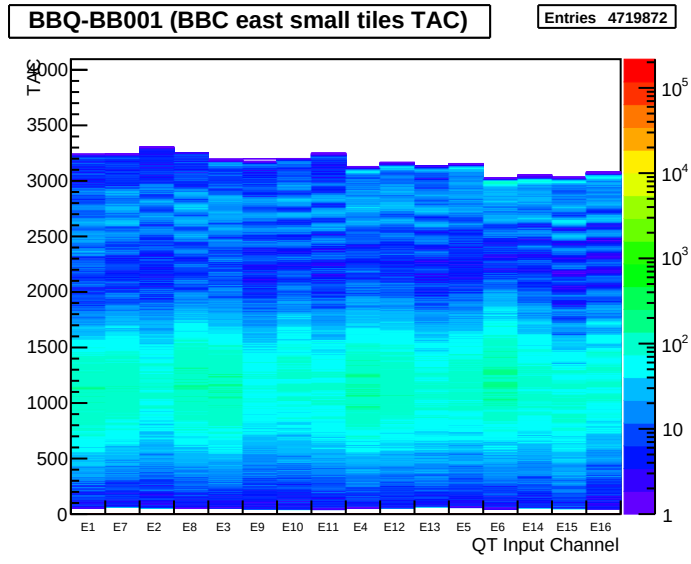

L2-TF201
Entries 294992
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

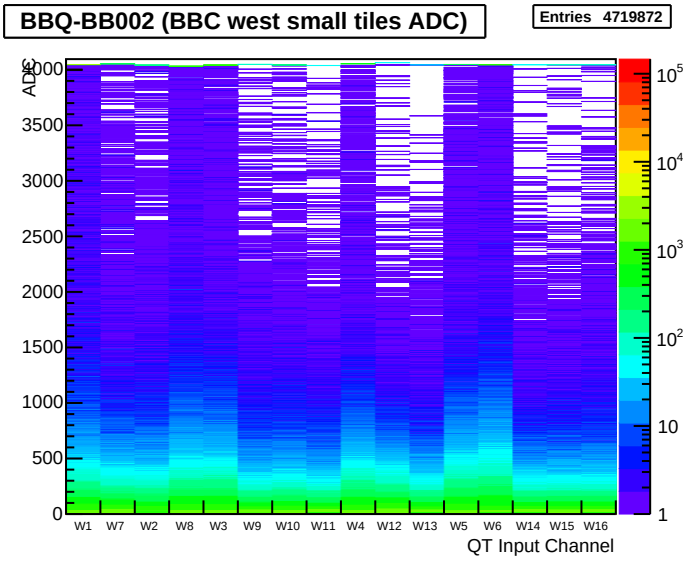

L2-TF201
Entries 0
10
1
$10^{-1}$
$10^{-2}$
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

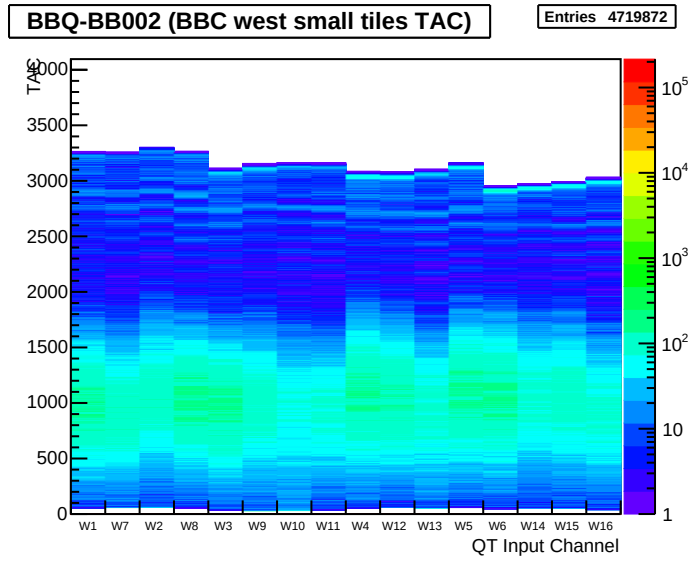

L2-TF201
Entries 2064944
Threshold/UPC bits
1
0
258529
260767
258464
260380
259677
256745
279612
36463
34225
36528
34612
35315
38247
15380
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

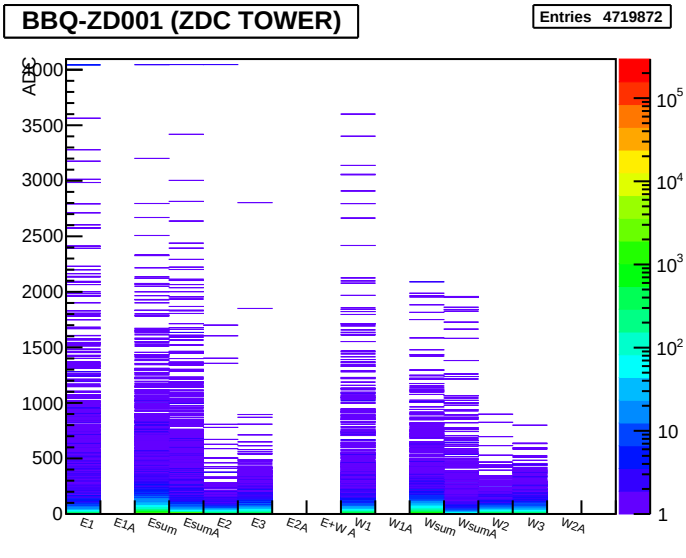

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

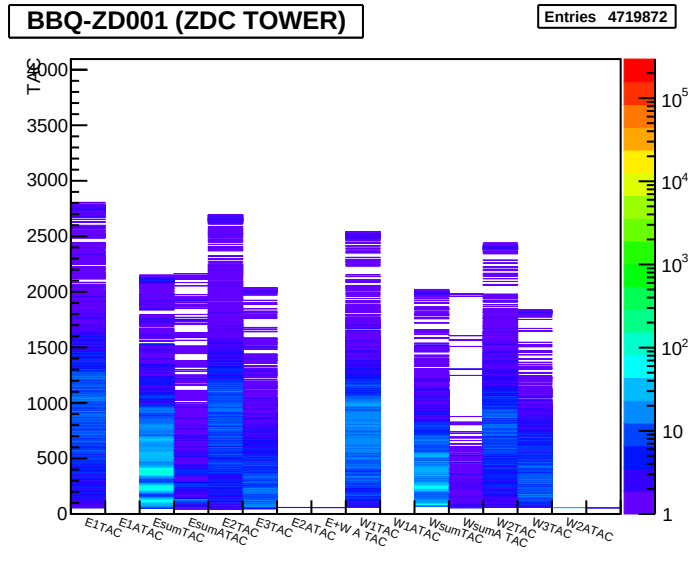

BBQ-BB001 (BBC east small tiles ADC)
Entries 4719872
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

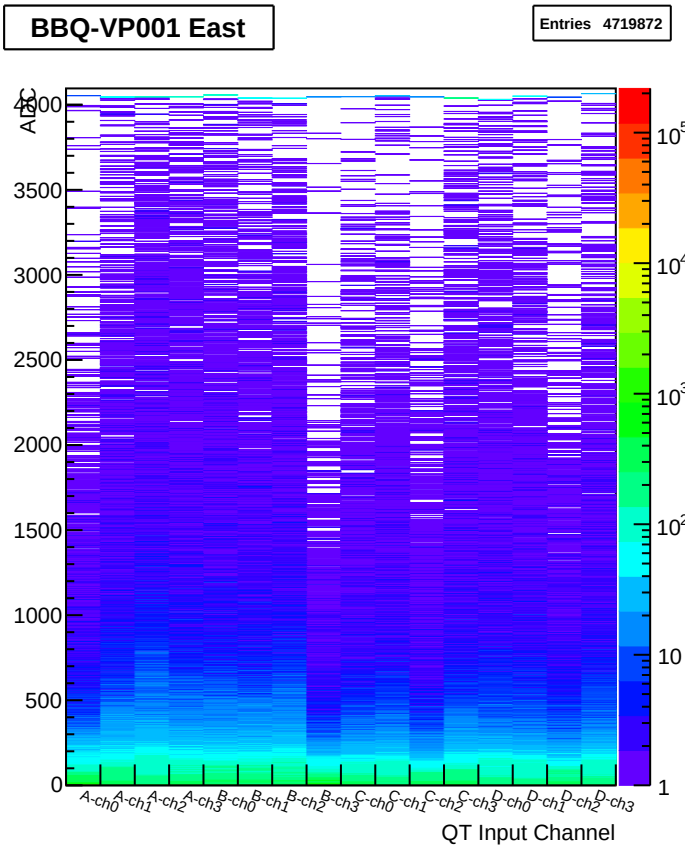

BBQ-BB001 (BBC east small tiles TAC)
Entries 4719872
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

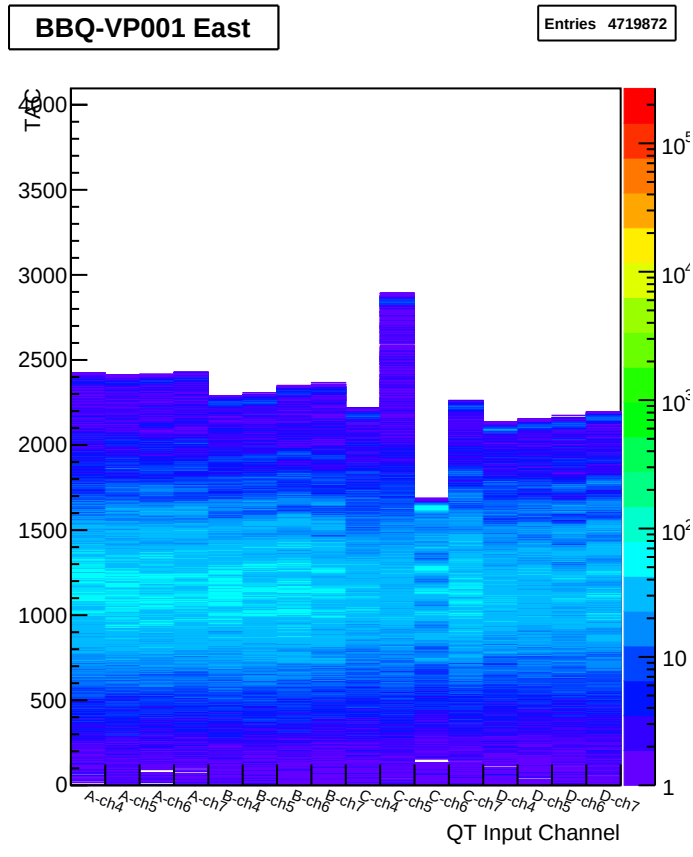

BBQ-BB002 (BBC west small tiles ADC)
Entries 4719872
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

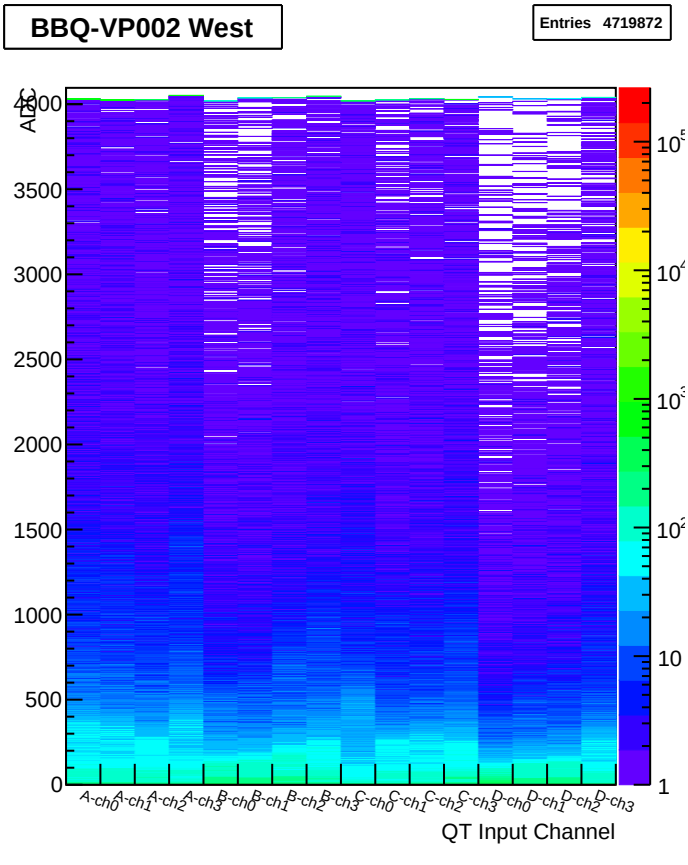

BBQ-BB002 (BBC west small tiles TAC)
Entries 4719872
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

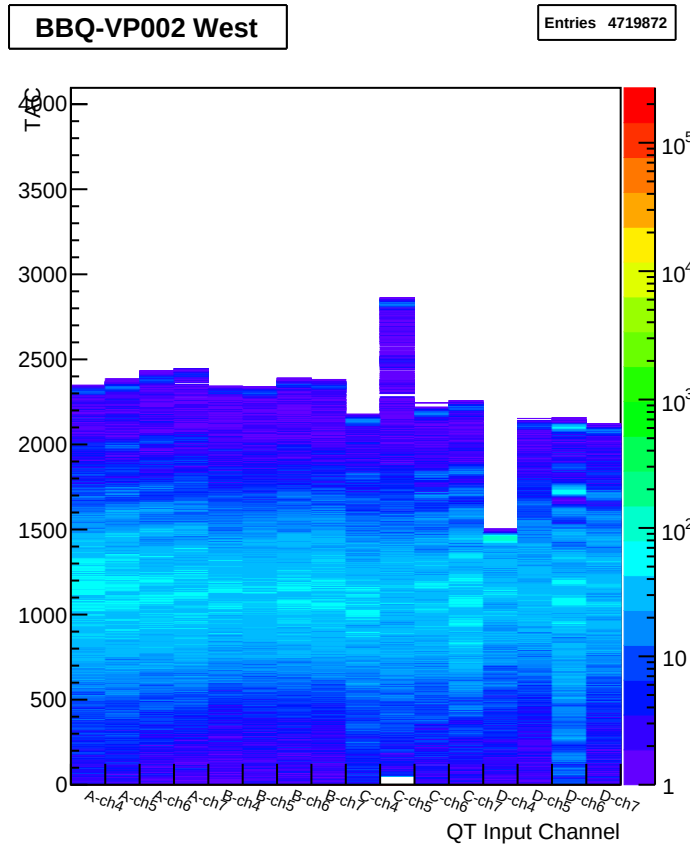

BBQ-ZD001 (ZDC TOWER)
Entries 4719872
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

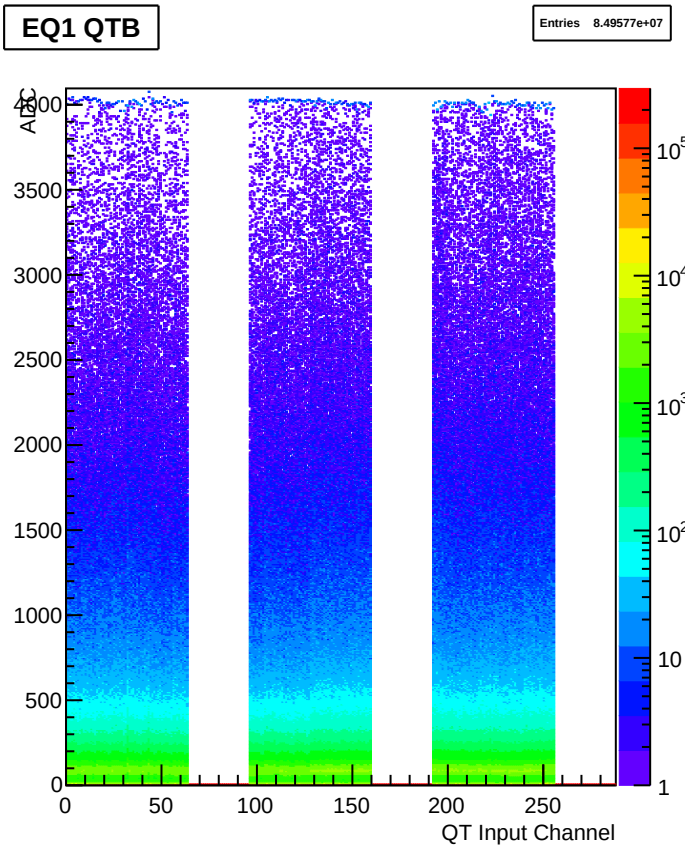

BBQ-ZD001 (ZDC TOWER)
Entries 4719872
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

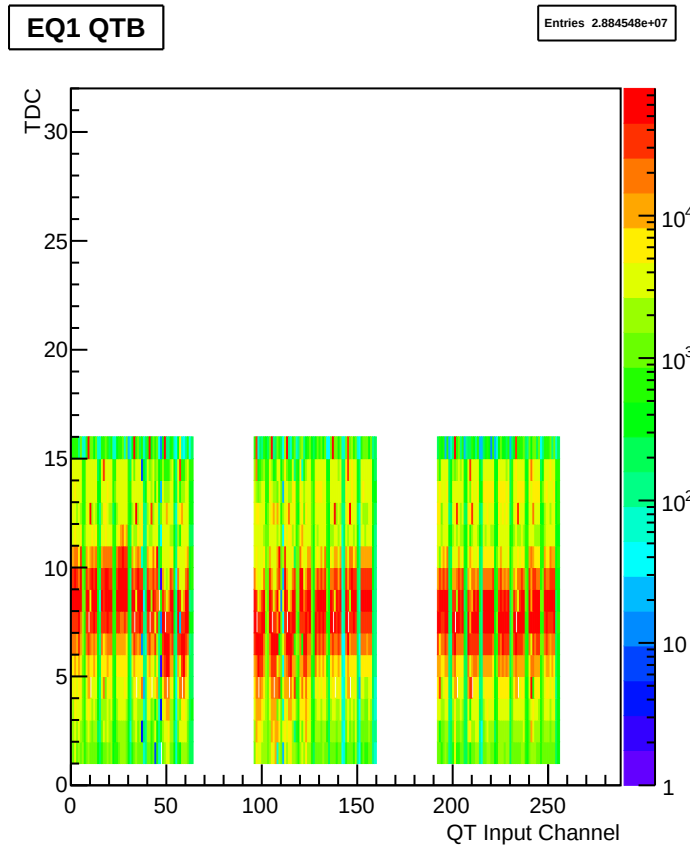

BBQ-VP001 East
Entries 4719872
ADC
QT Input Channel

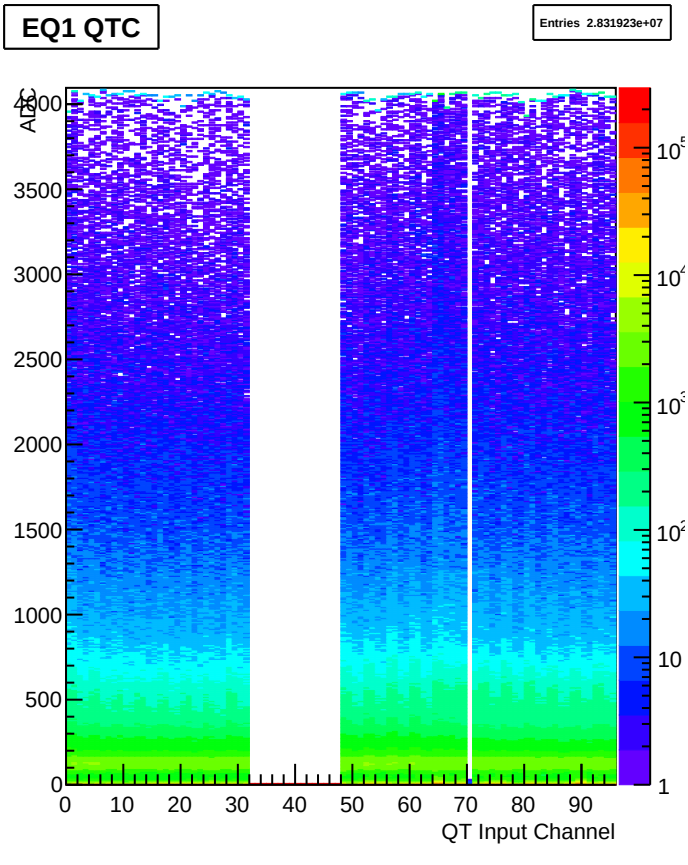

BBQ-VP001 East
Entries 4719872
TADC
QT Input Channel

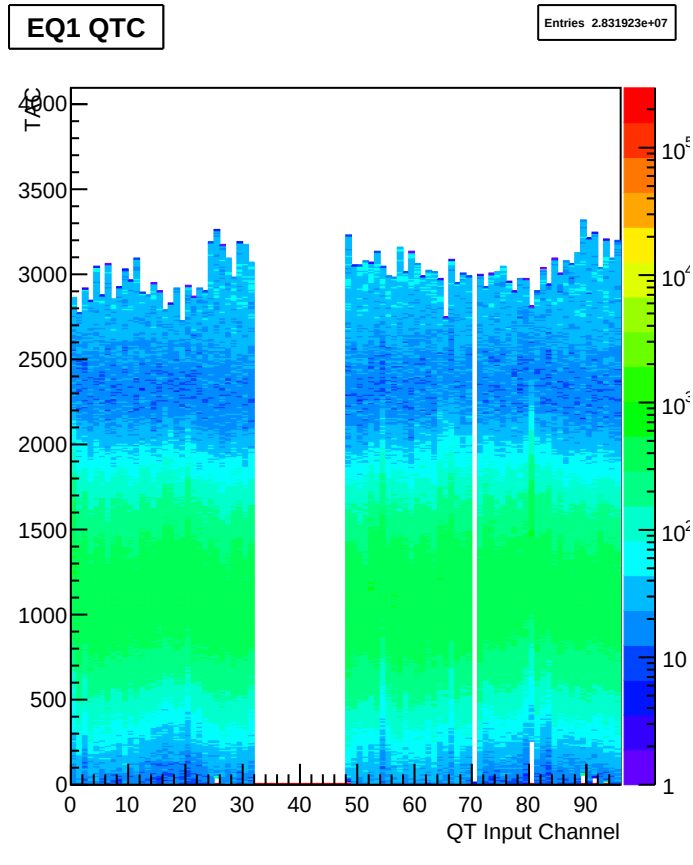

BBQ-VP002 West
Entries 4719872
ADC
QT Input Channel

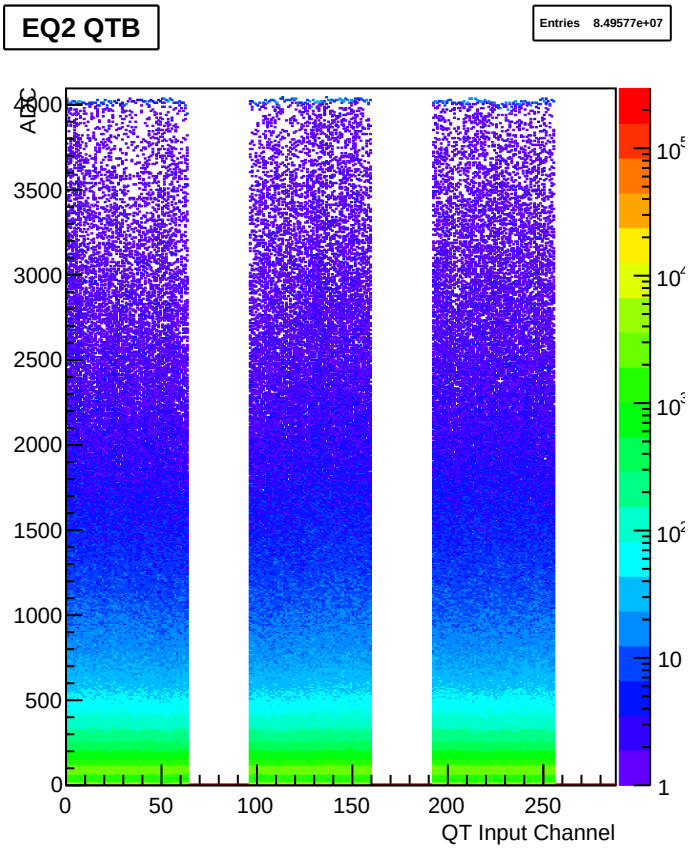

BBQ-VP002 West
Entries 4719872
TADC
QT Input Channel

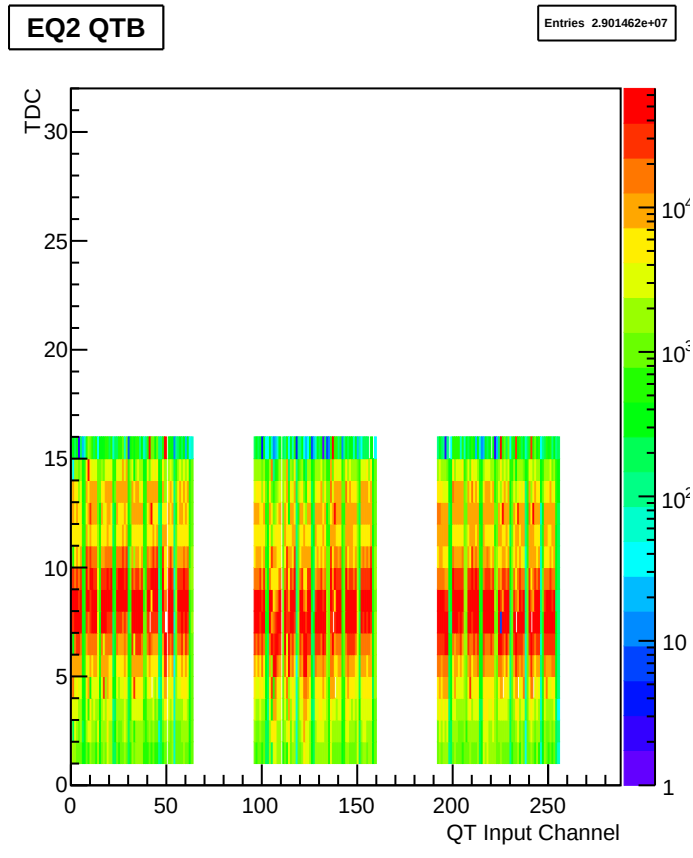

EQ1 QTB
Entries 8.49577e+07
ADC
QT Input Channel

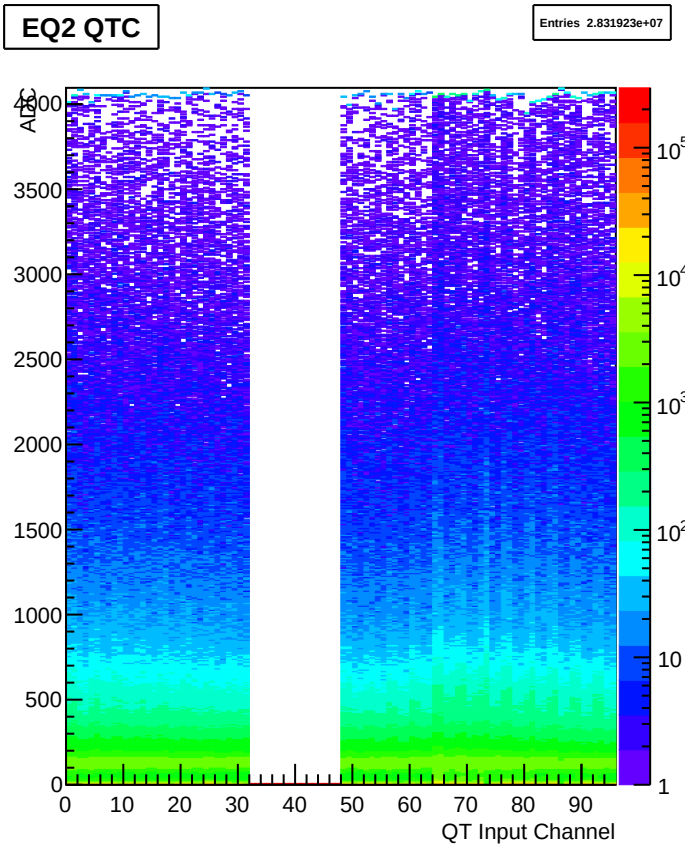

EQ1 QTB
Entries 2.884548e+07
TDC
QT Input Channel

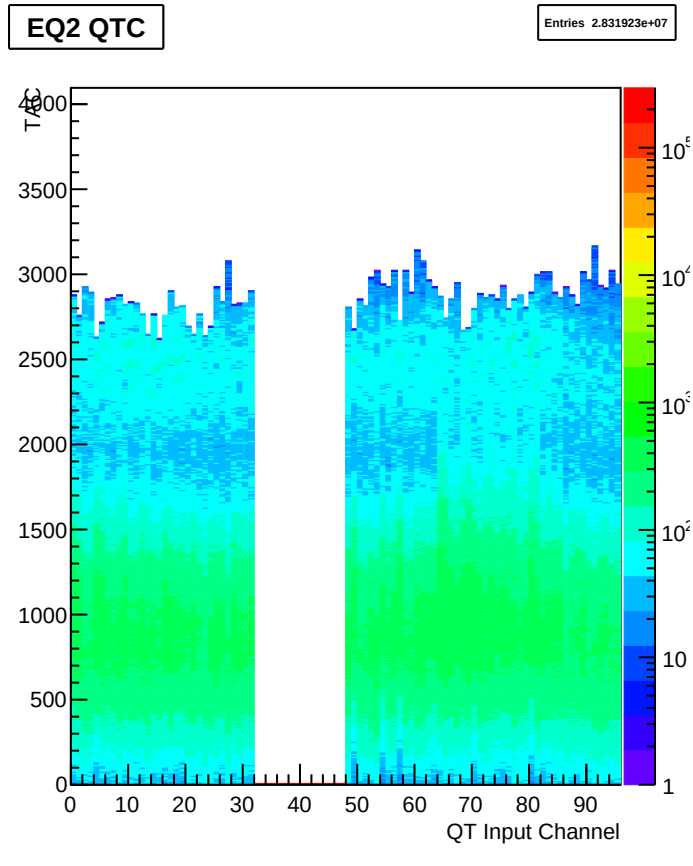

EQ1 QTC
Entries 2.831923e+07
ADC
QT Input Channel

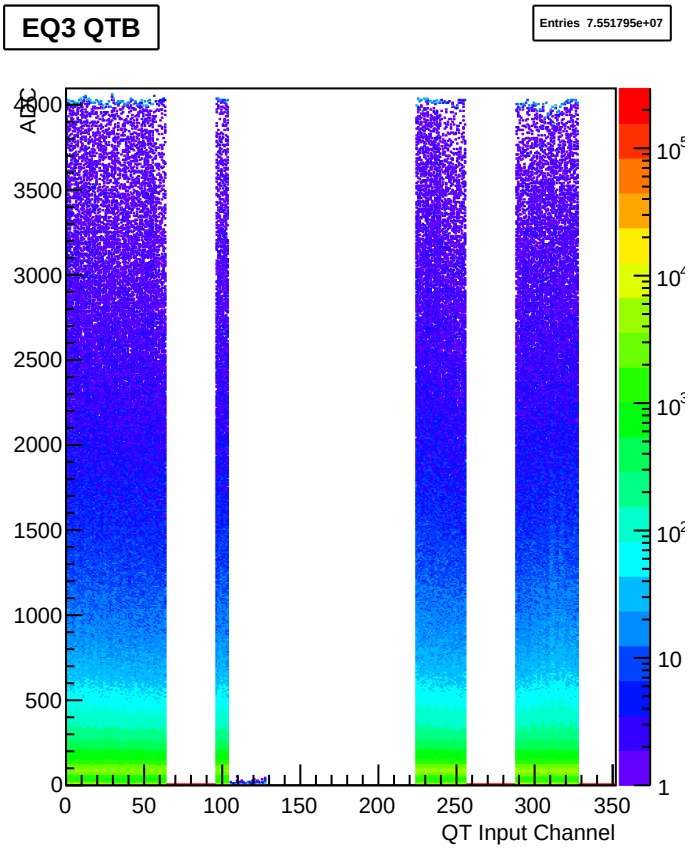

EQ1 QTC
Entries 2.831923e+07
TADC
QT Input Channel

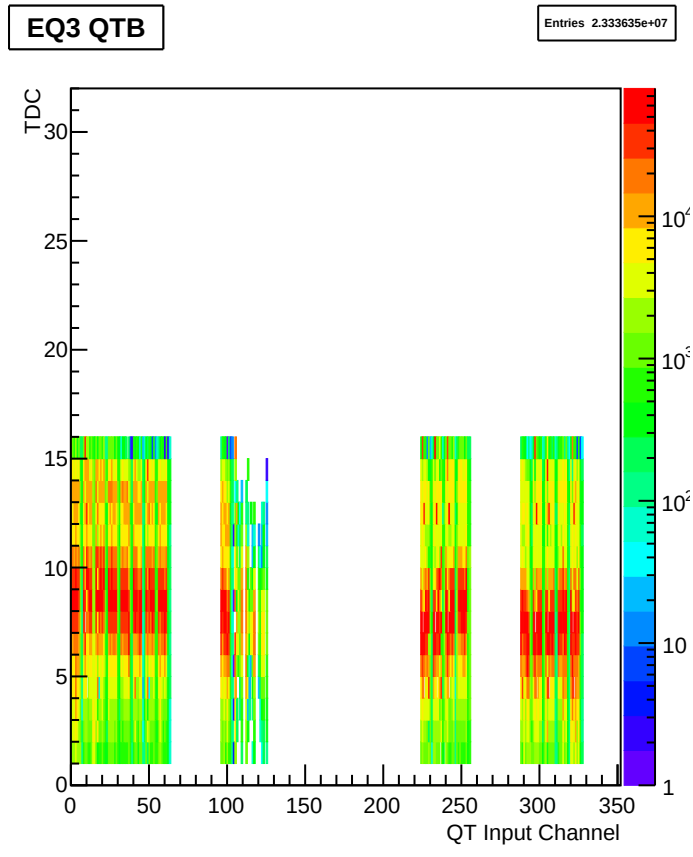

EQ2 QTB
Entries 8.49577e+07
ADC
QT Input Channel

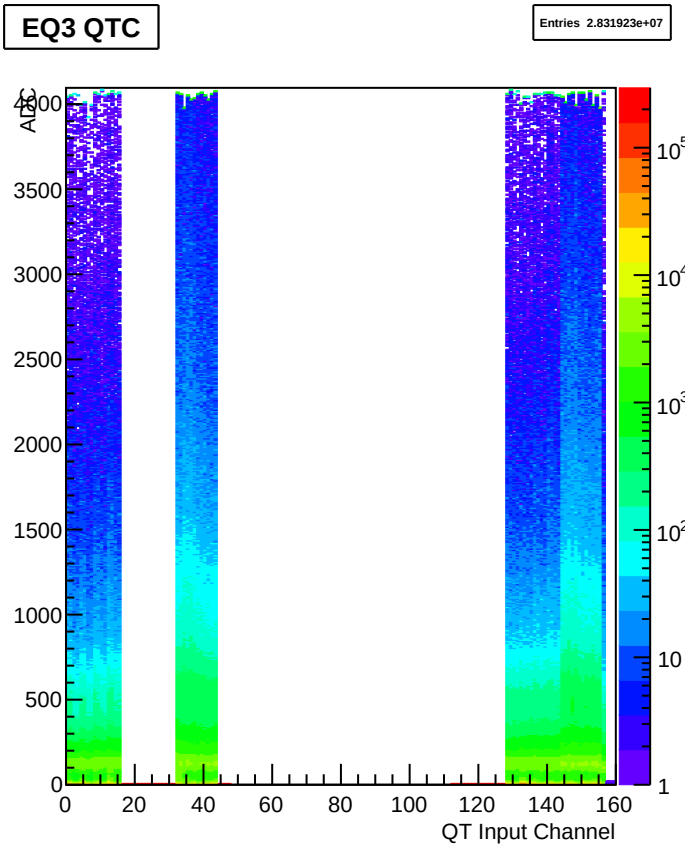

EQ2 QTB
Entries 2.901462e+07
TDC
QT Input Channel

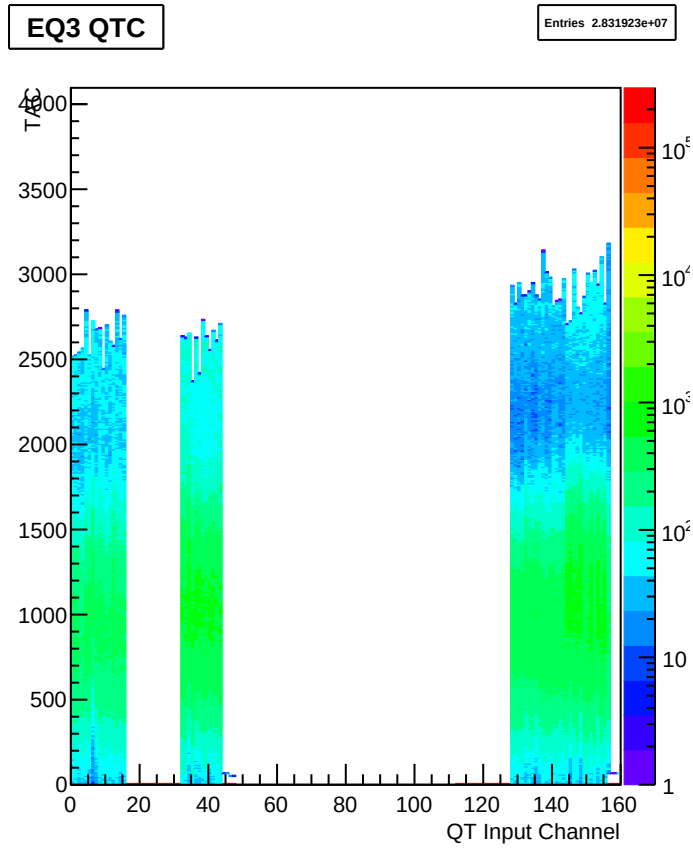

EQ2 QTC
Entries 2.831923e+07
ADC
QT Input Channel

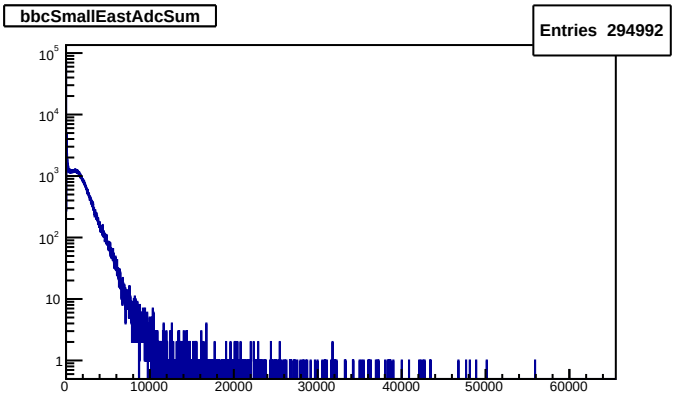

EQ2 QTC
Entries 2.831923e+07
TADC
QT Input Channel

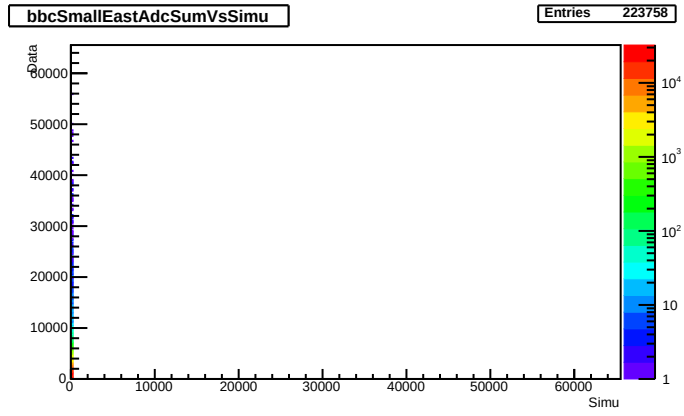

EQ3 QTB
Entries 7.551795e+07
ADC
QT Input Channel

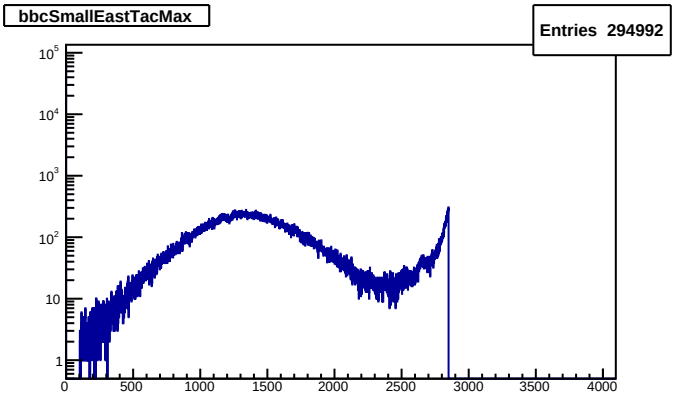

EQ3 QTB
Entries 2.333635e+07
TDC
QT Input Channel

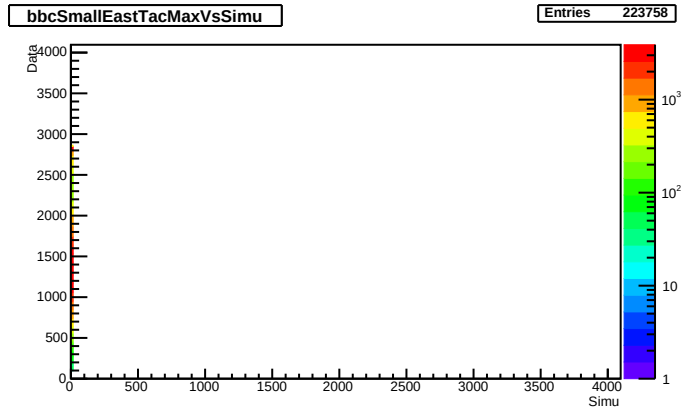

EQ3 QTC
Entries 2.831923e+07
ADC
QT Input Channel

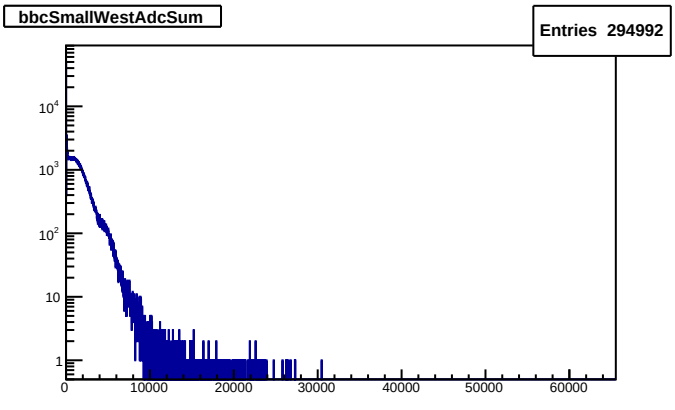

EQ3 QTC
Entries 2.831923e+07
TADC
QT Input Channel

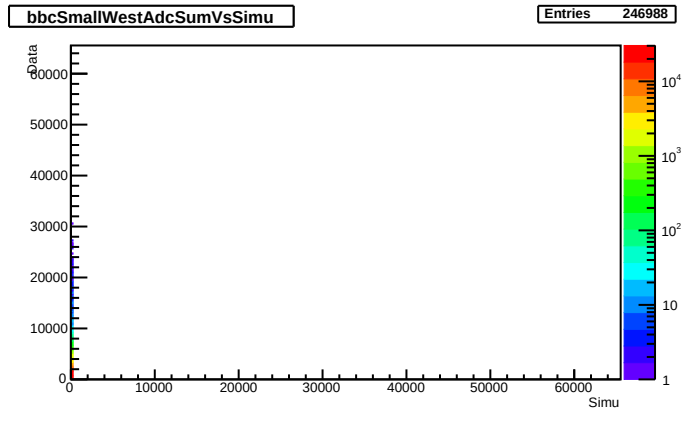

bbcSmallEastAdcSum
Entries 294992

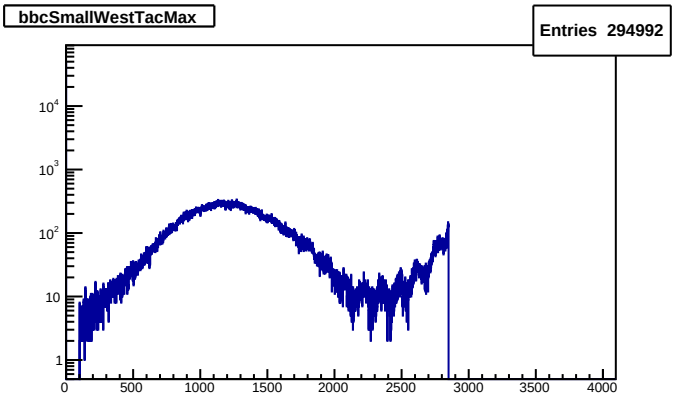

bbcSmallEastAdcSumVsSimu
Entries 223758
Data
Simu


bbcSmallEastTacMax
Entries 294992


bbcSmallEastTacMaxVsSimu
Entries 223758
Data
Simu


bbcSmallWestAdcSum
Entries 294992


bbcSmallWestAdcSumVsSimu
Entries 246988
Data
Simu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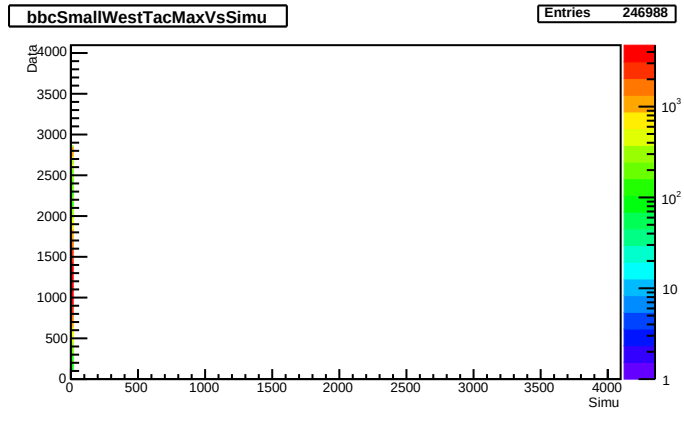
Entries 294992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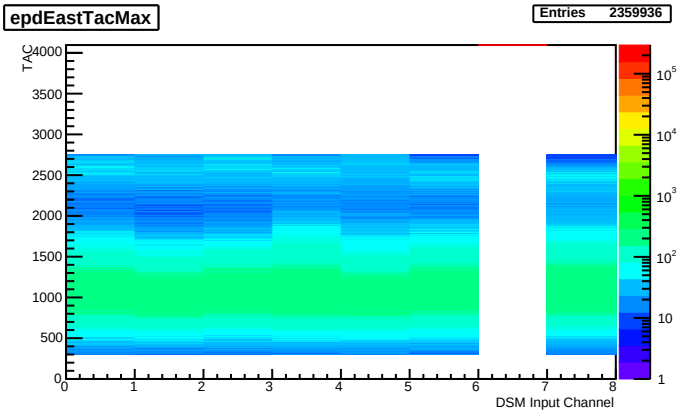
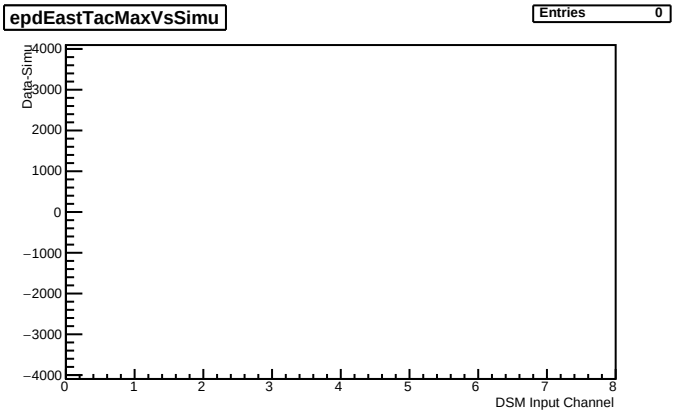
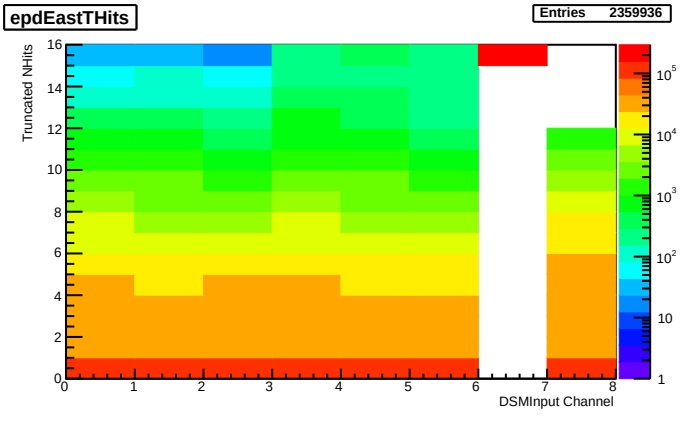
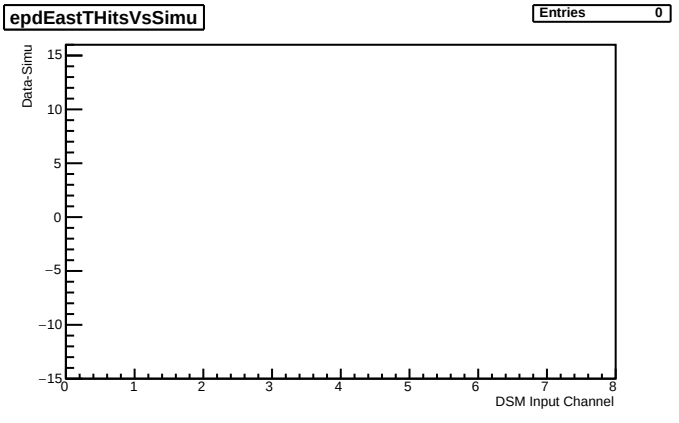
Entries 246988
Data
Simu


epdEastTacMax
Entries 2359936
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2359936
Truncated NHits
DSMInput Channel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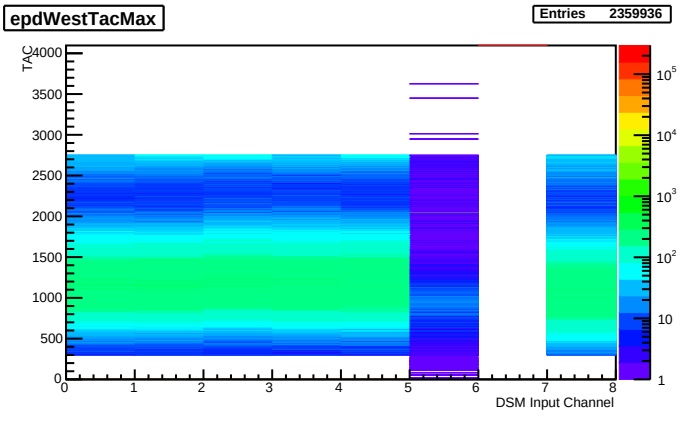
Data-Simu
DSM Input Channel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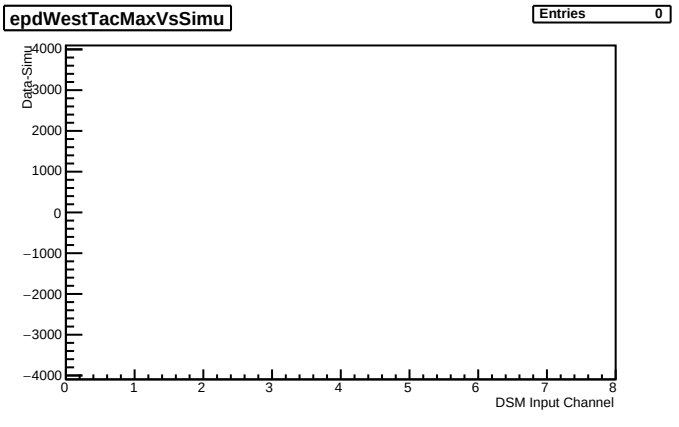
Entries 2359936
TAC
DSM Input Channel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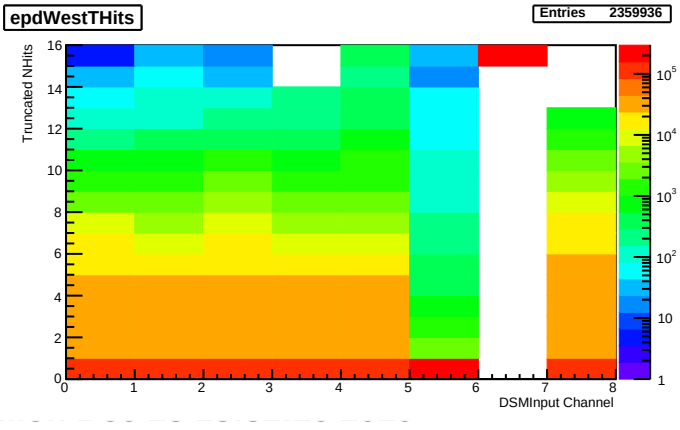
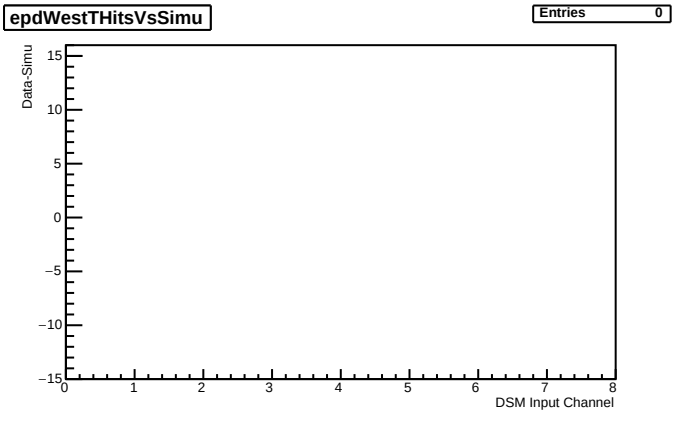
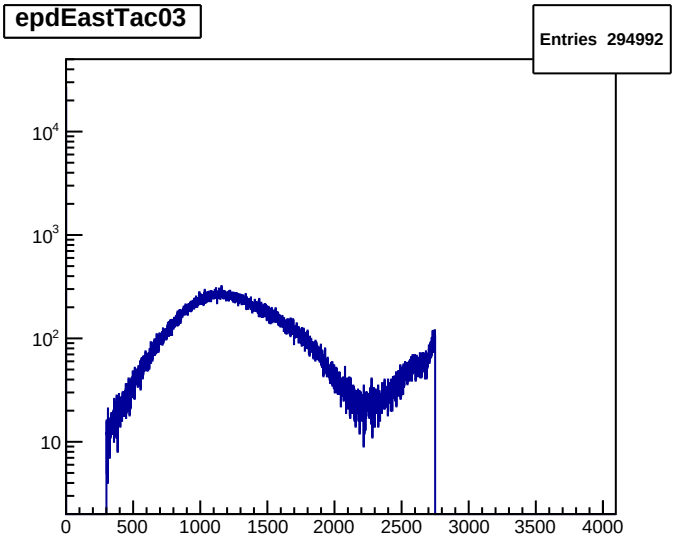
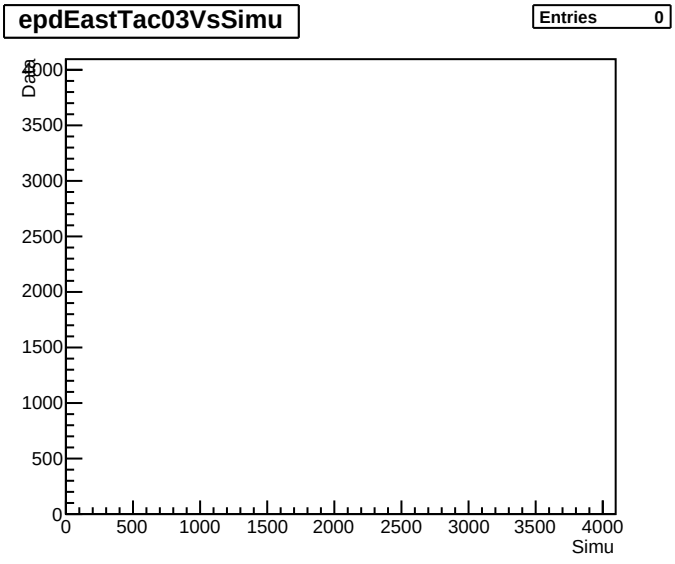
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2359936
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 294992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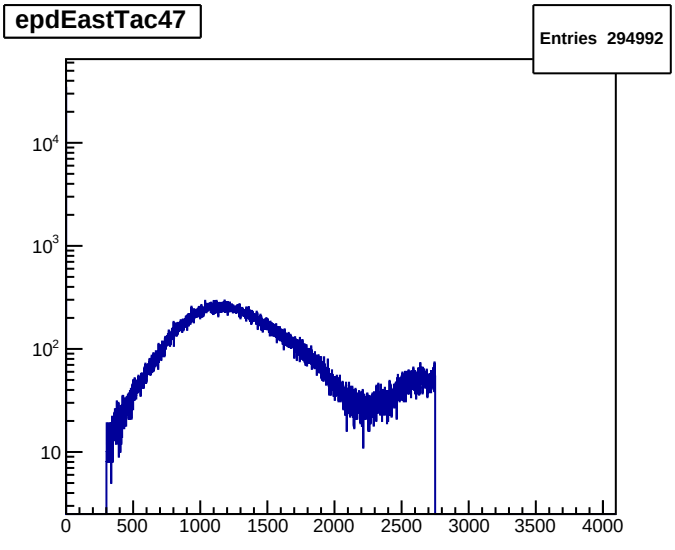
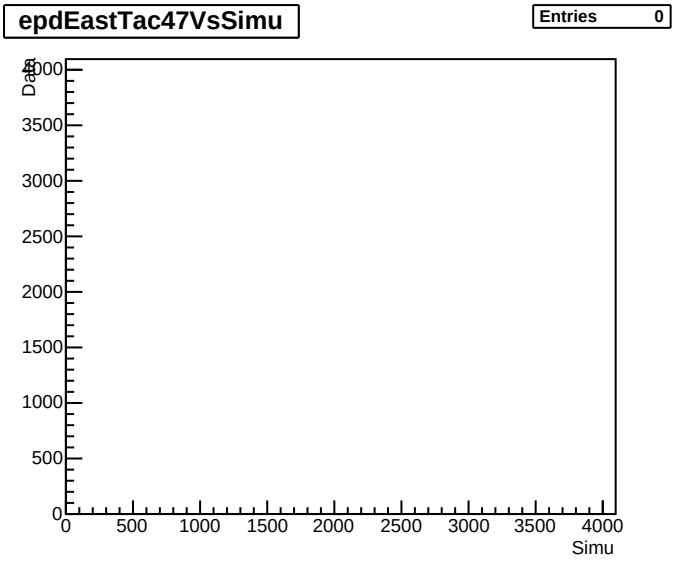
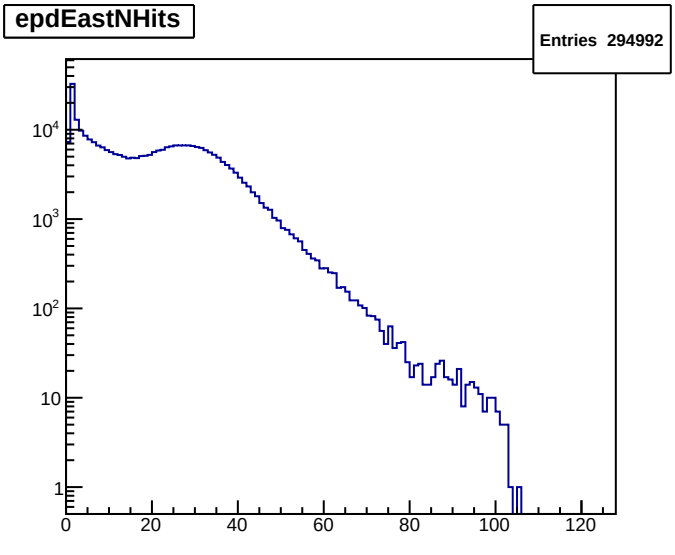
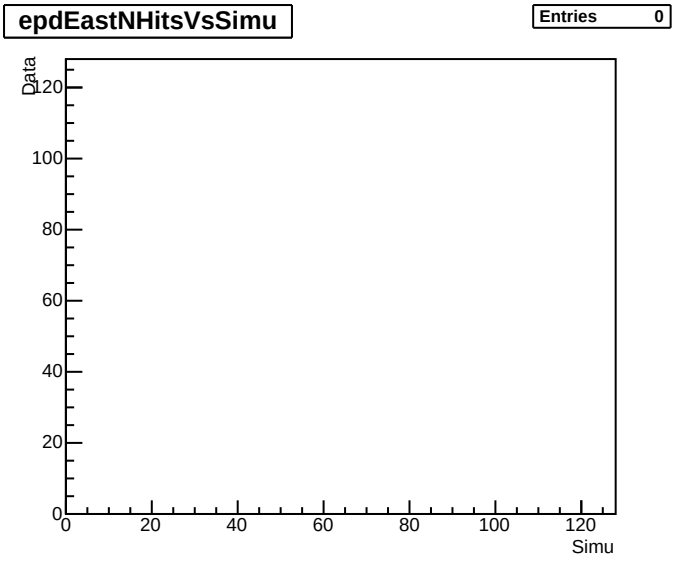
Entries 0
Data
Simu


epdEastTac47
Entries 294992


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 294992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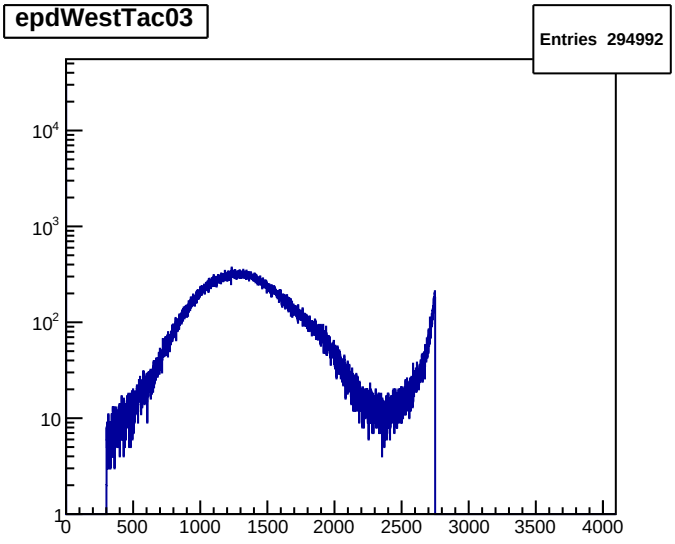
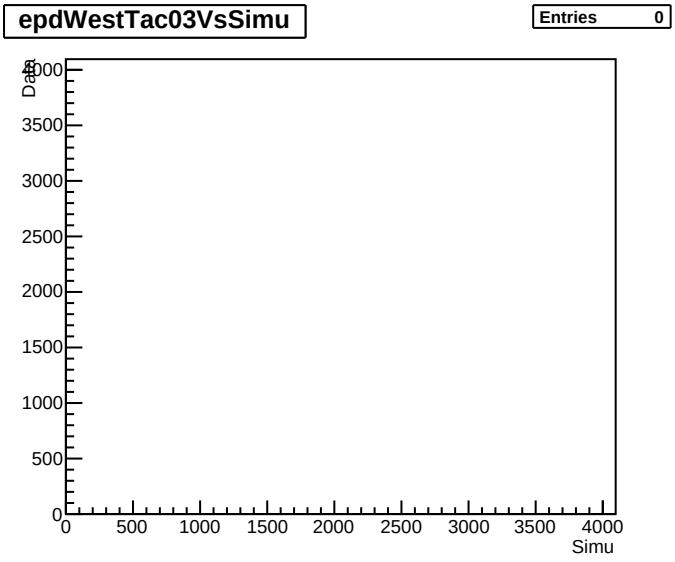
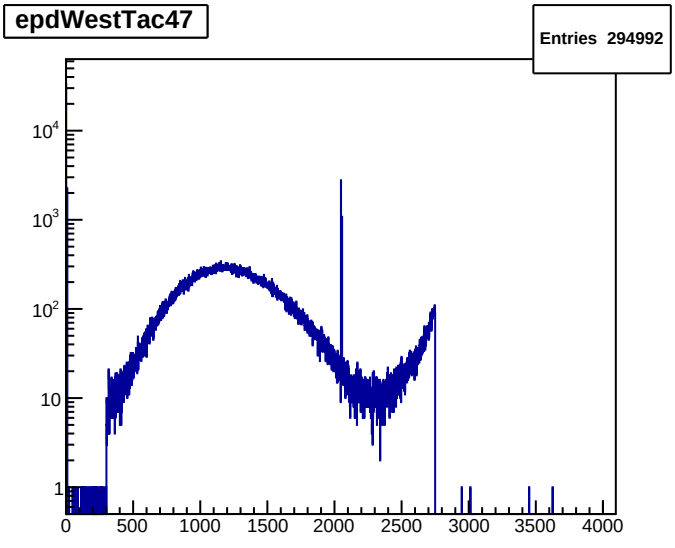
Entries 0
Data
Simu


epdWestTac03
Entries 294992


epdWestTac03VsSimu
Entries 0
Data
Simu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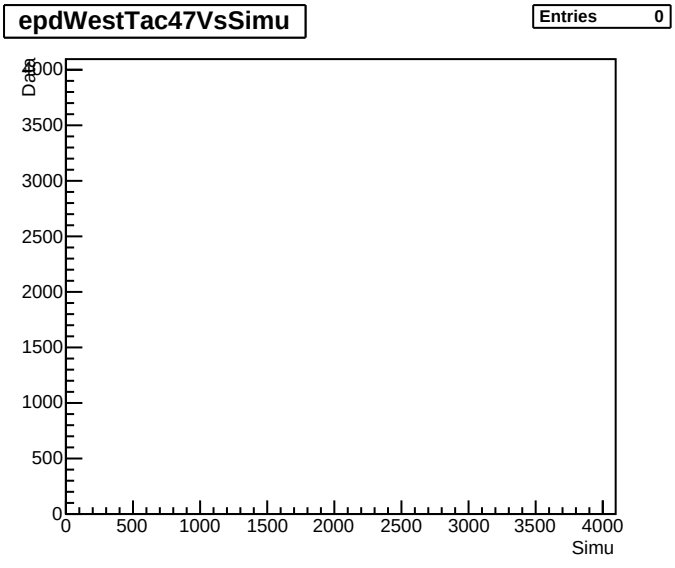
Entries 294992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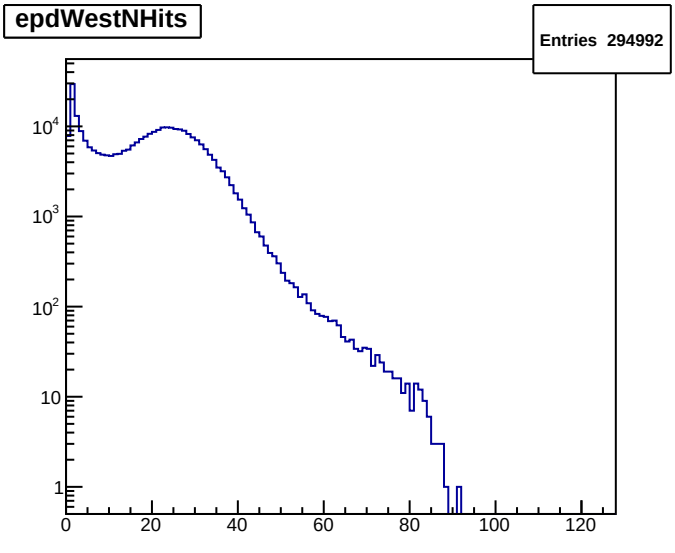
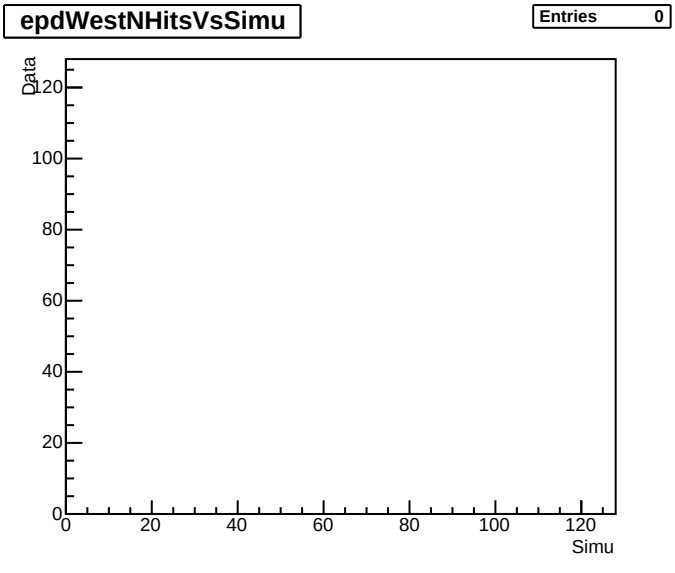
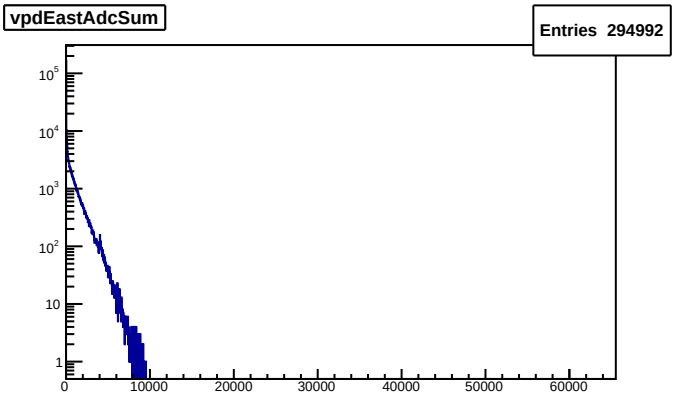
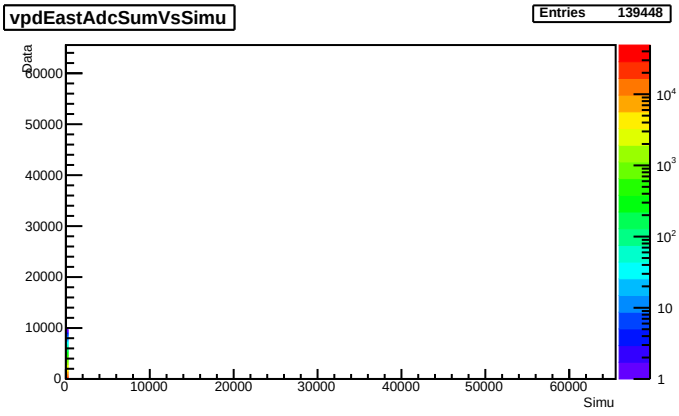
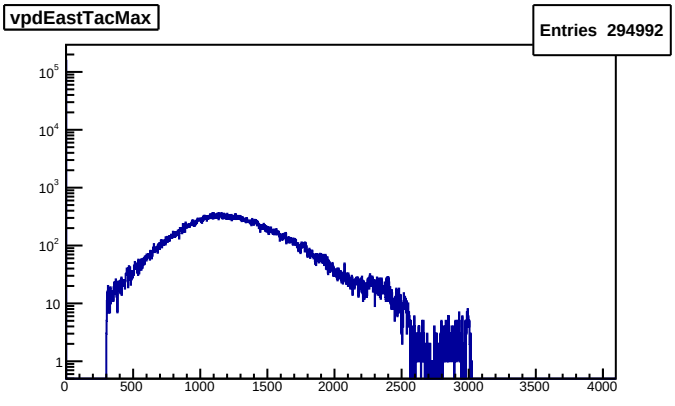
Entries 0
Data
Simu

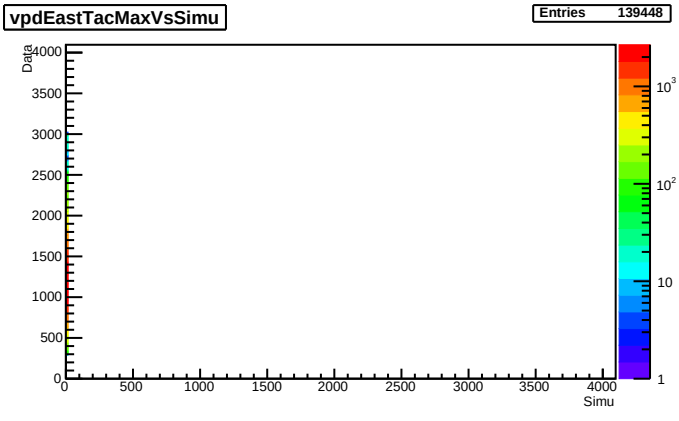

epdWestNHits
Entries 294992

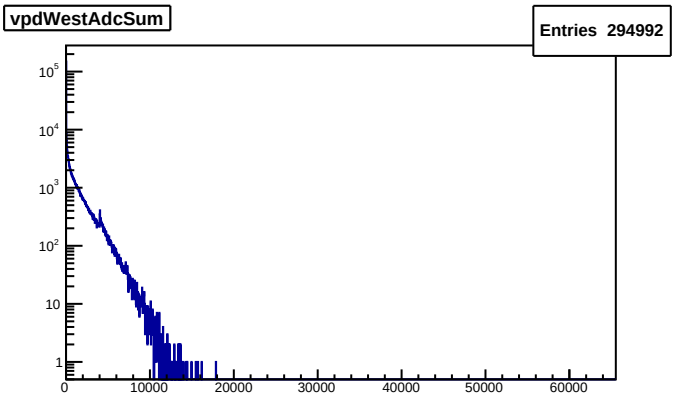

epdWestNHitsVsSimu
Entries 0
Data
Simu

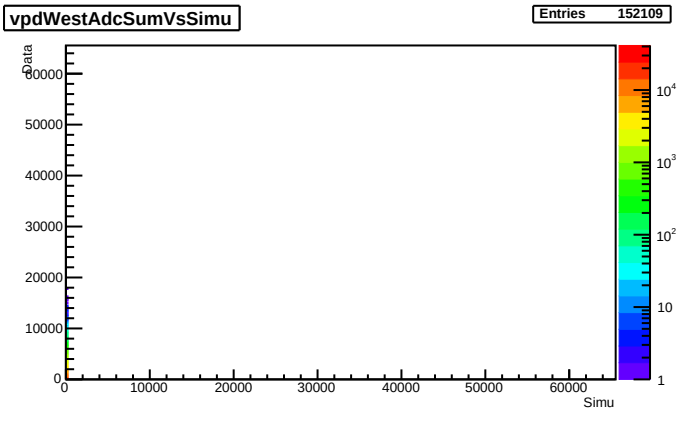

vpdEastAdcSum
Entries 294992

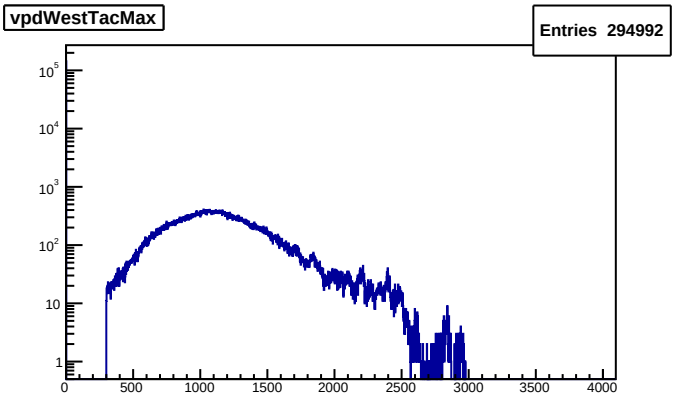

vpdEastAdcSumVsSimu
Entries 139448
Data
Simu

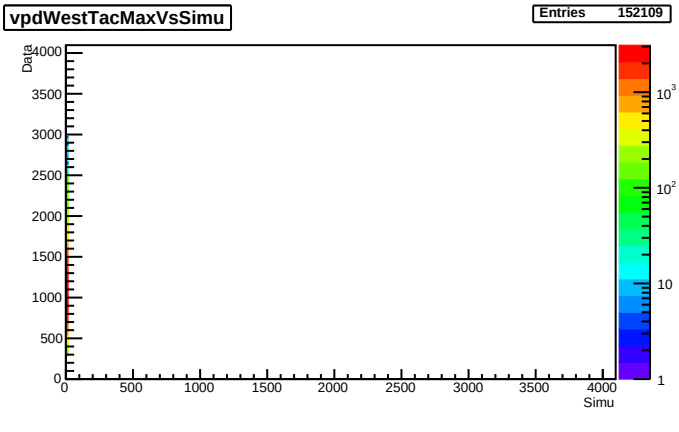

vpdEastTacMax
Entries 294992

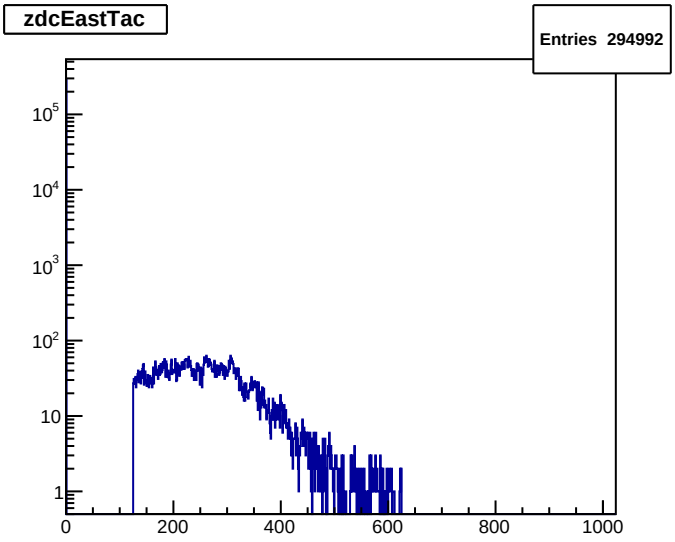

vpdEastTacMaxVsSimu
Entries 139448
Data
Simu

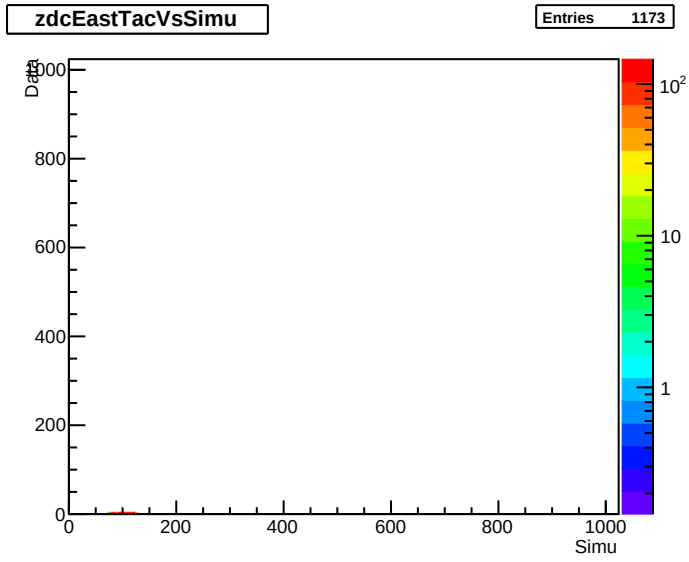

vpdWestAdcSum
Entries 294992

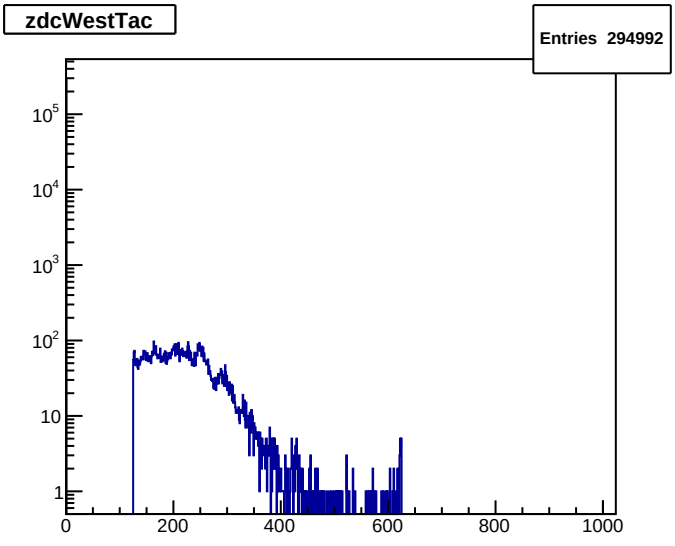

vpdWestAdcSumVsSimu
Entries 152109
Data
Simu

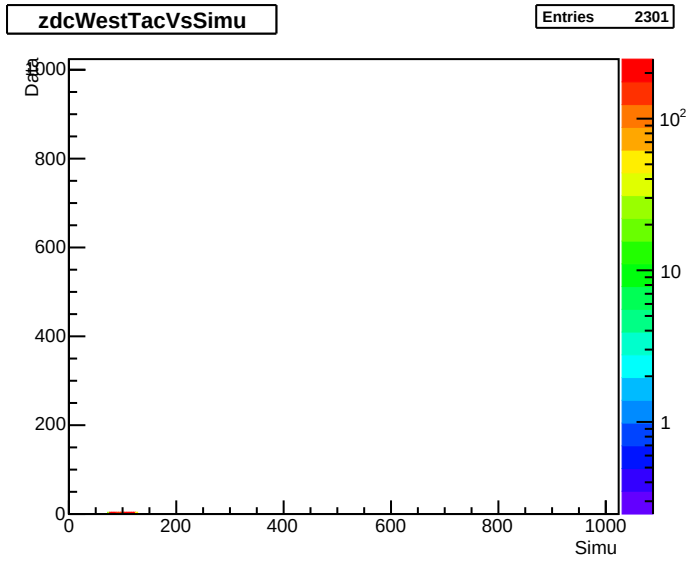

vpdWestTacMax
Entries 294992

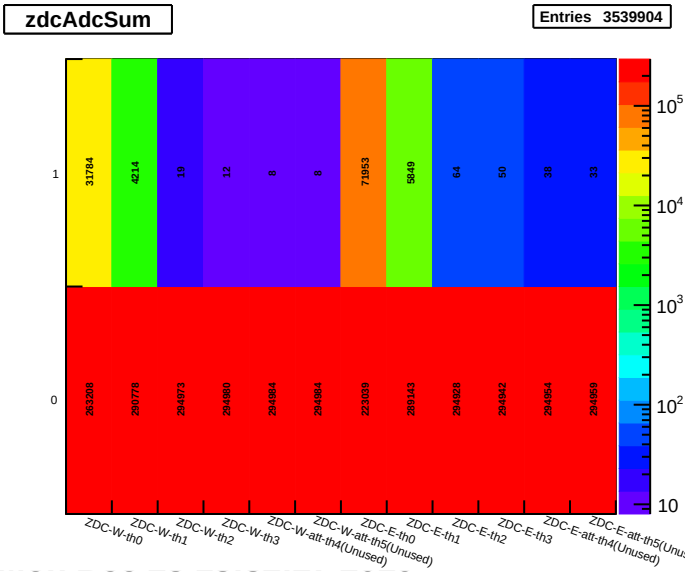

vpdWestTacMaxVsSimu
Entries 152109
Data
Simu

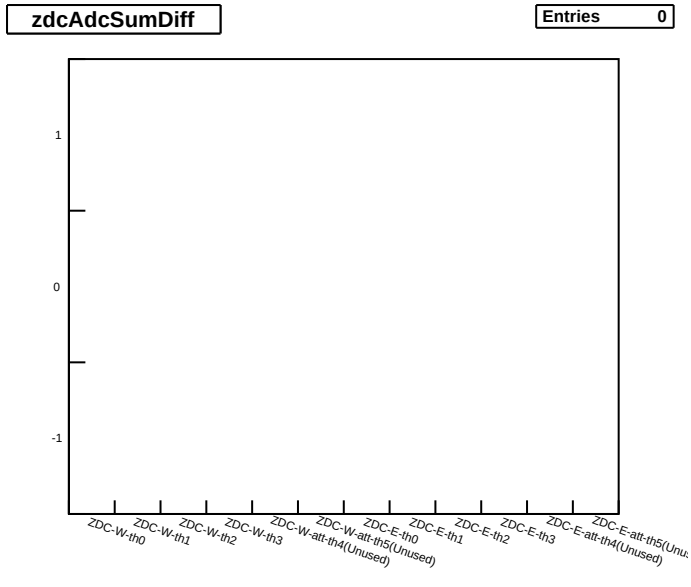

zdcEastTac
Entries 294992

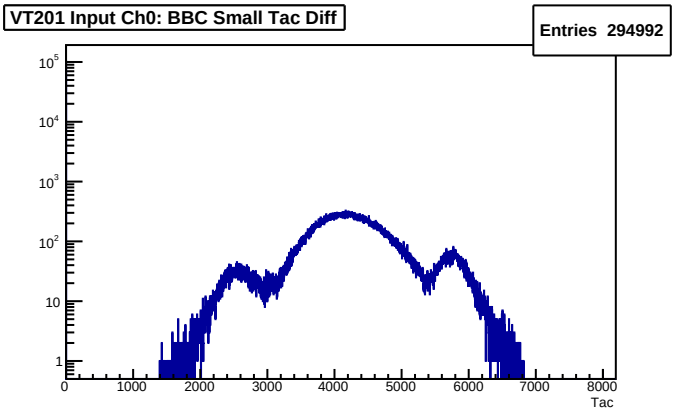

zdcEastTacVsSimu
Entries 1173
Data
Simu

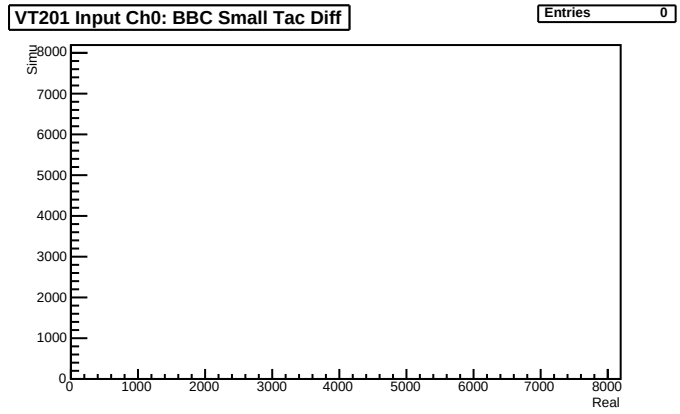

zdcWestTac
Entries 294992

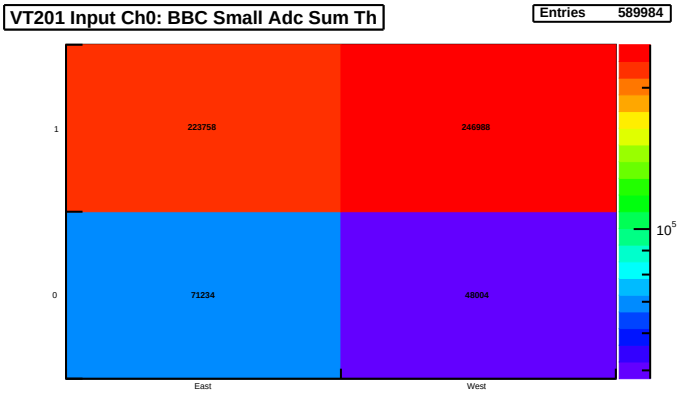

zdcWestTacVsSimu
Entries 2301
Data
Simu

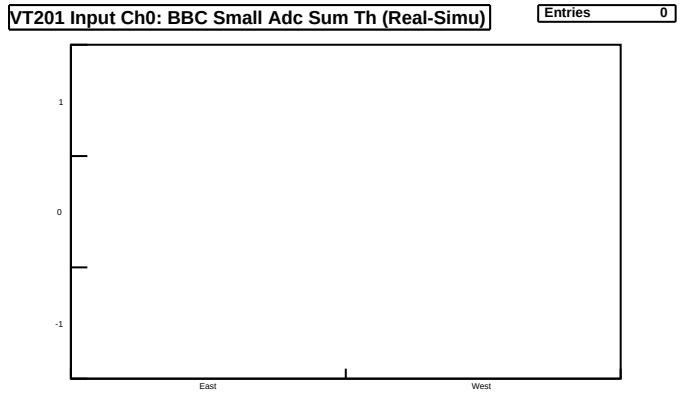

zdcAdcSum
Entries 3539904
31784
4214
19
12
8
8
71953
5849
64
50
38
33
263208
290778
294973
294980
294984
294984
223039
289143
294928
294942
294954
294959
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

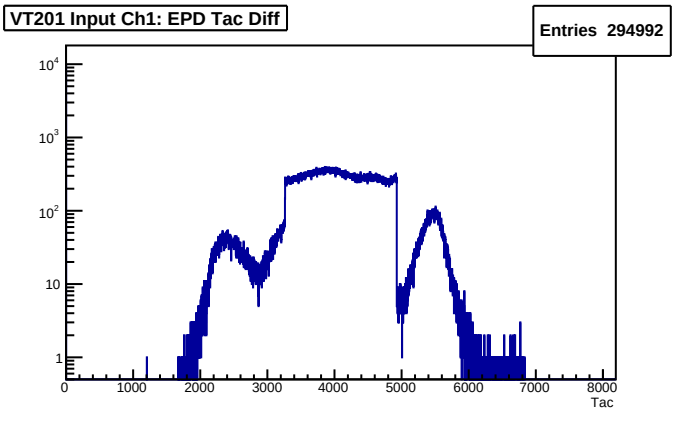

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

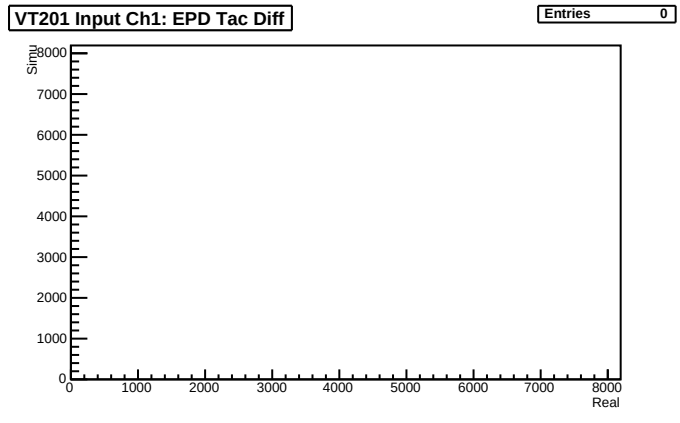

VT201 Input Ch0: BBC Small Tac Diff
Entries 294992
Tac

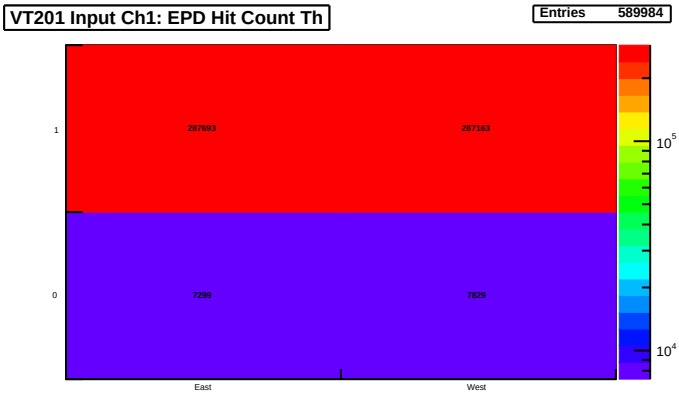

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

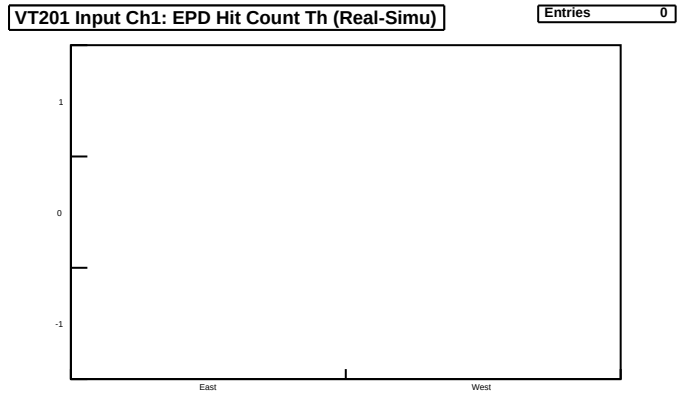

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 589984
223758
246988
71234
48004
East
West

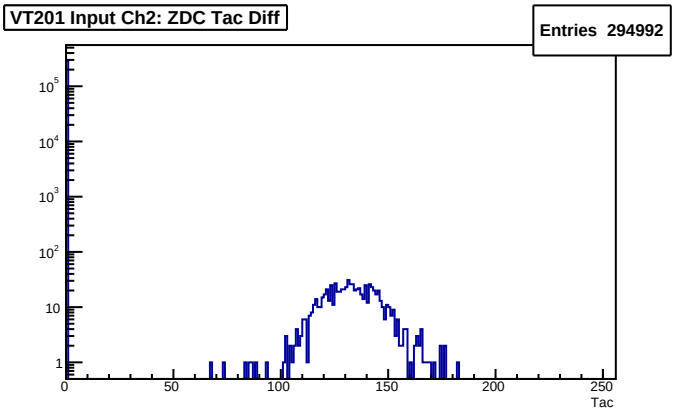

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

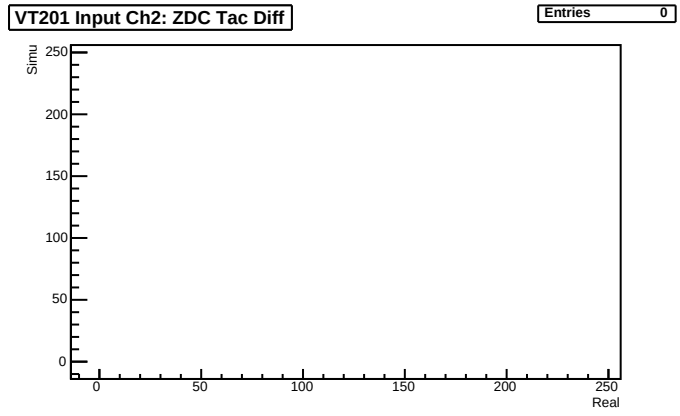

VT201 Input Ch1: EPD Tac Diff
Entries 294992
Tac

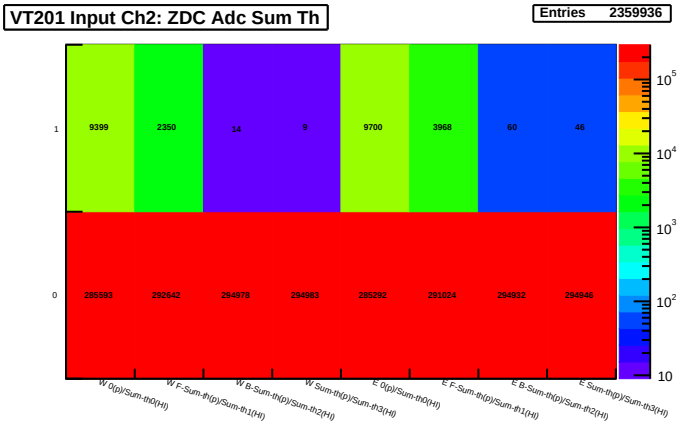

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

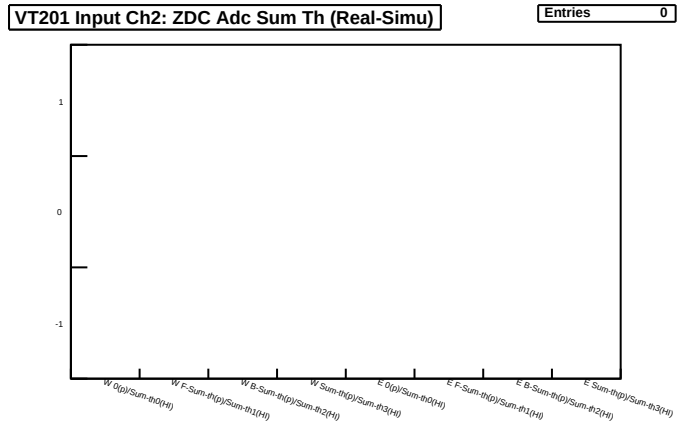

VT201 Input Ch1: EPD Hit Count Th
Entries 589984
287693
287163
7299
7829
East
West

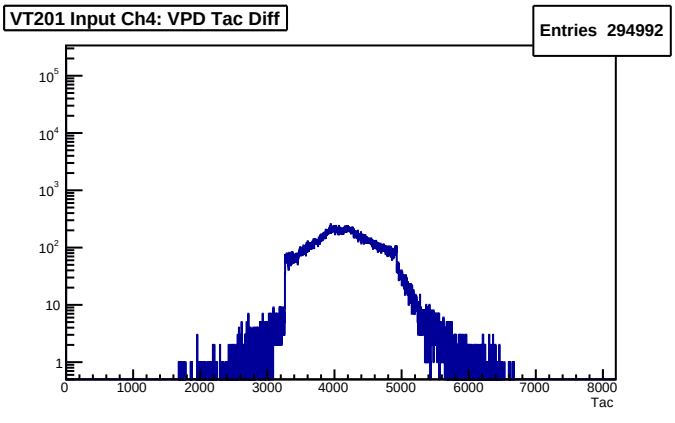

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

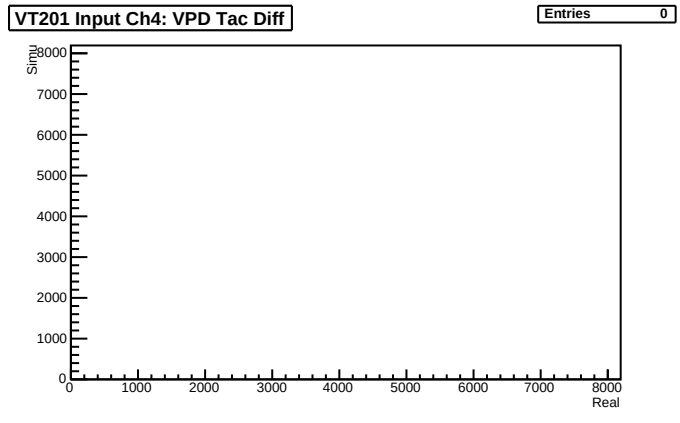

VT201 Input Ch2: ZDC Tac Diff
Entries 294992
Tac

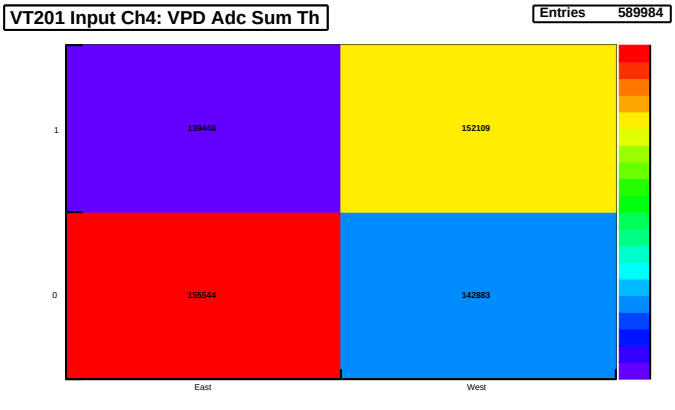

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

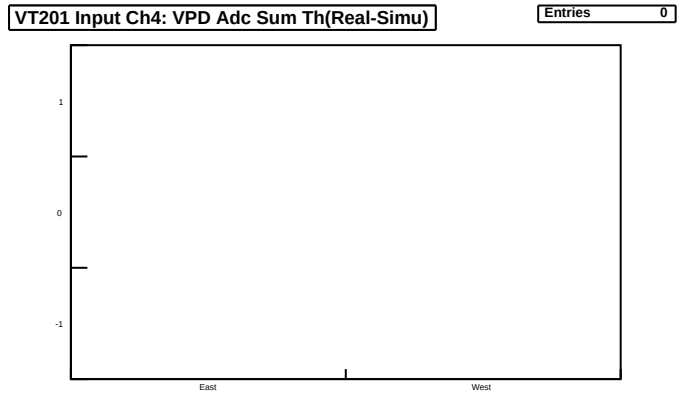

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2359936
9399
2350
14
9
9700
3968
60
46
285593
292642
294978
294983
285292
291024
294932
294946
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

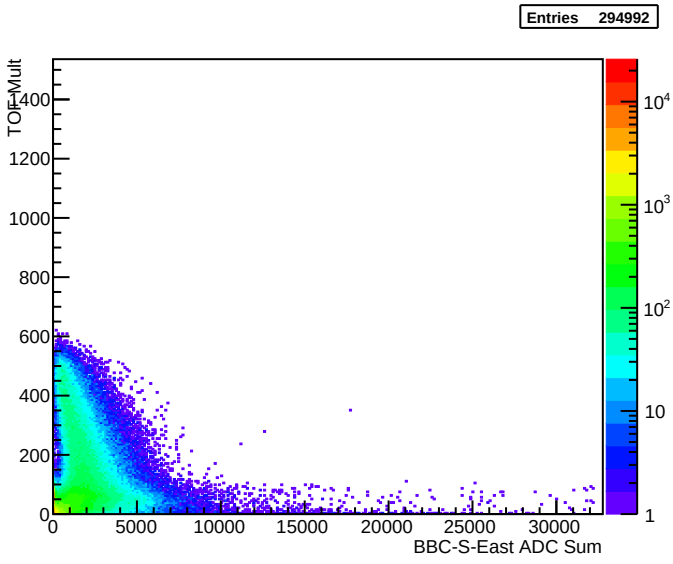

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

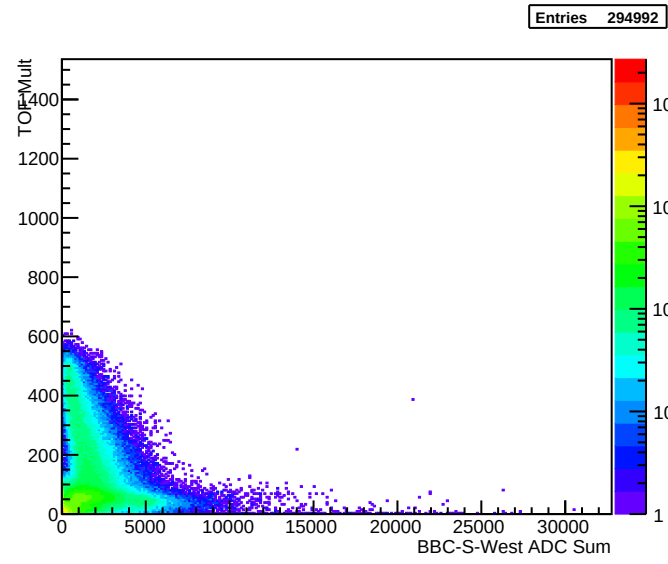

VT201 Input Ch4: VPD Tac Diff
Entries 294992
Tac

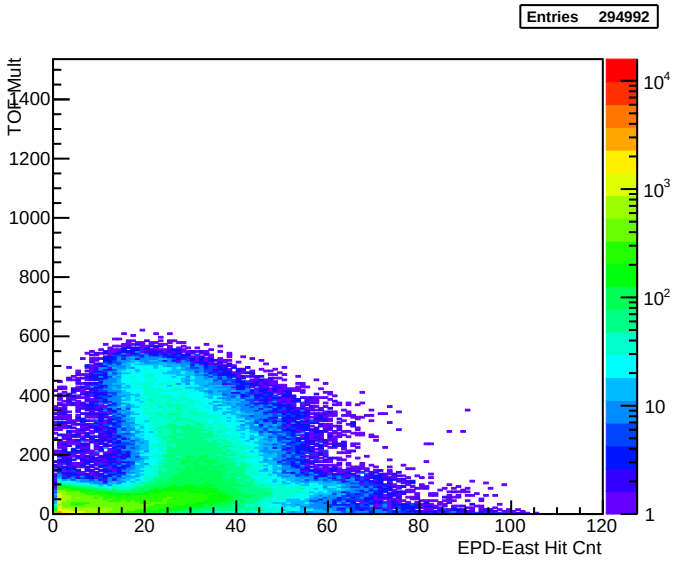

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

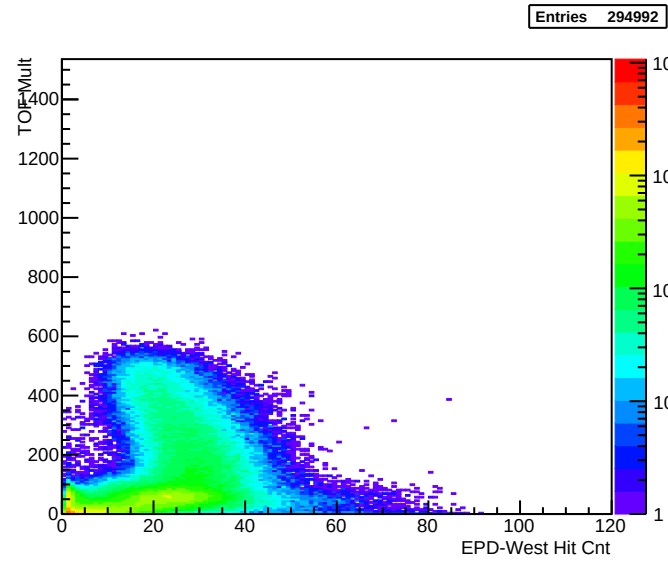

VT201 Input Ch4: VPD Adc Sum Th
Entries 589984
139448
152109
155544
142883
East
West

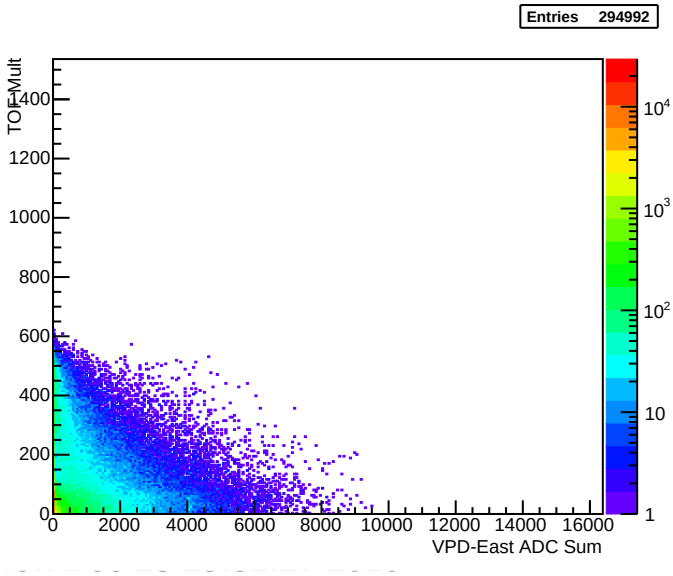

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

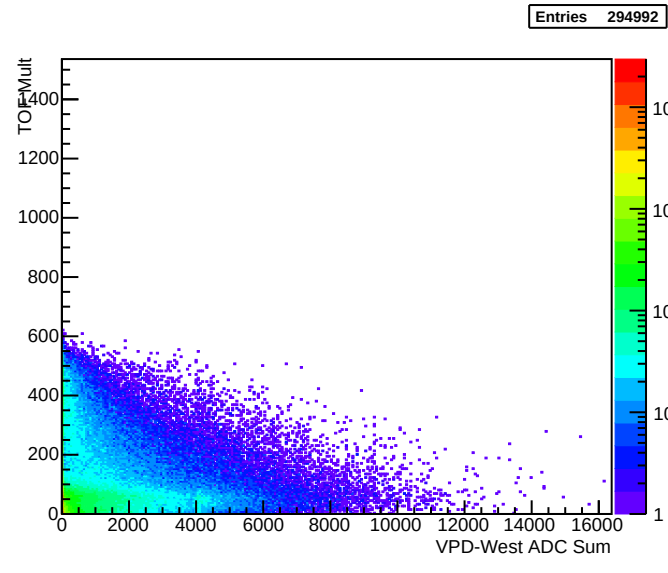

Entries 294992
TOF-Mult
BBC-S-East ADC Sum

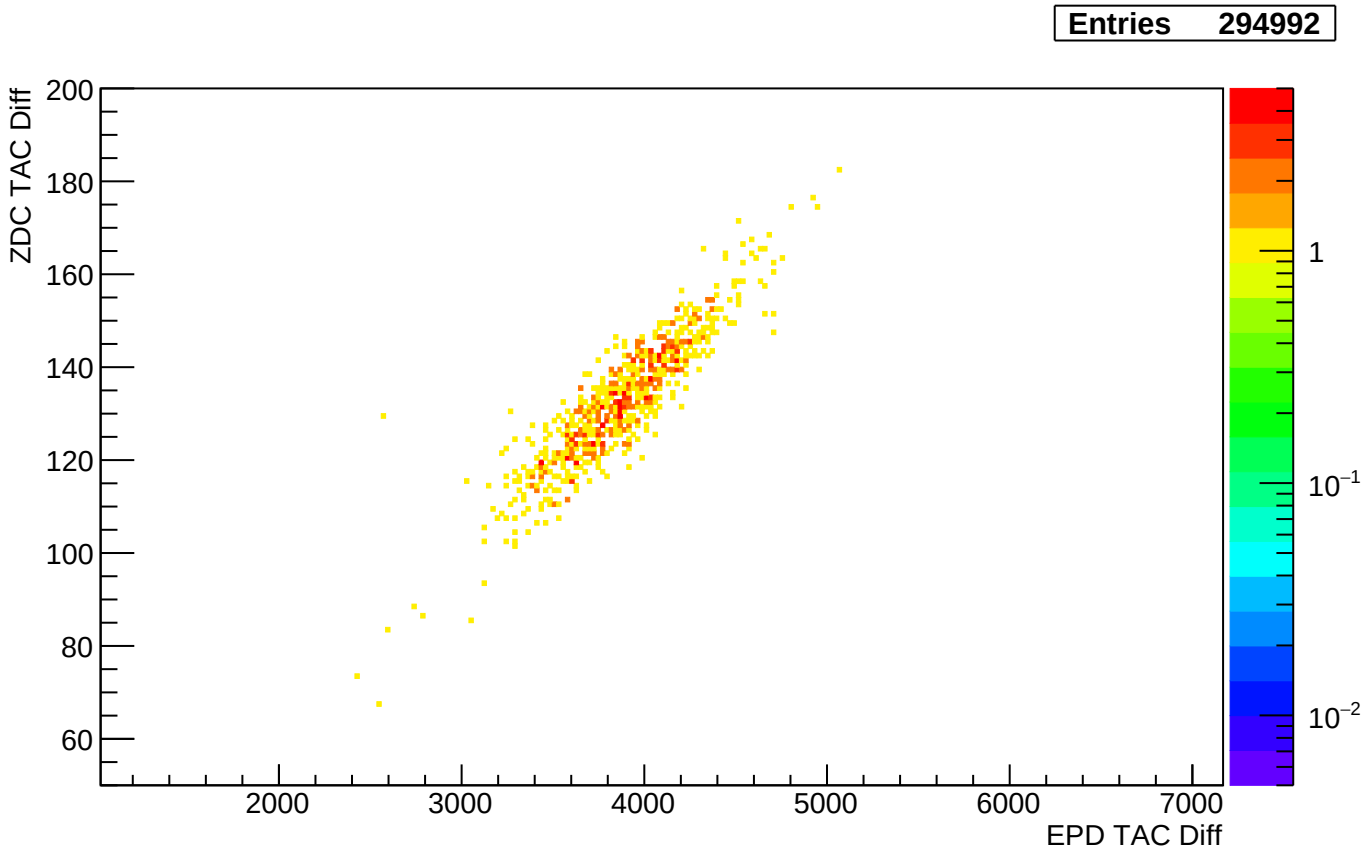

Entries 294992
TOF-Mult
BBC-S-West ADC Sum

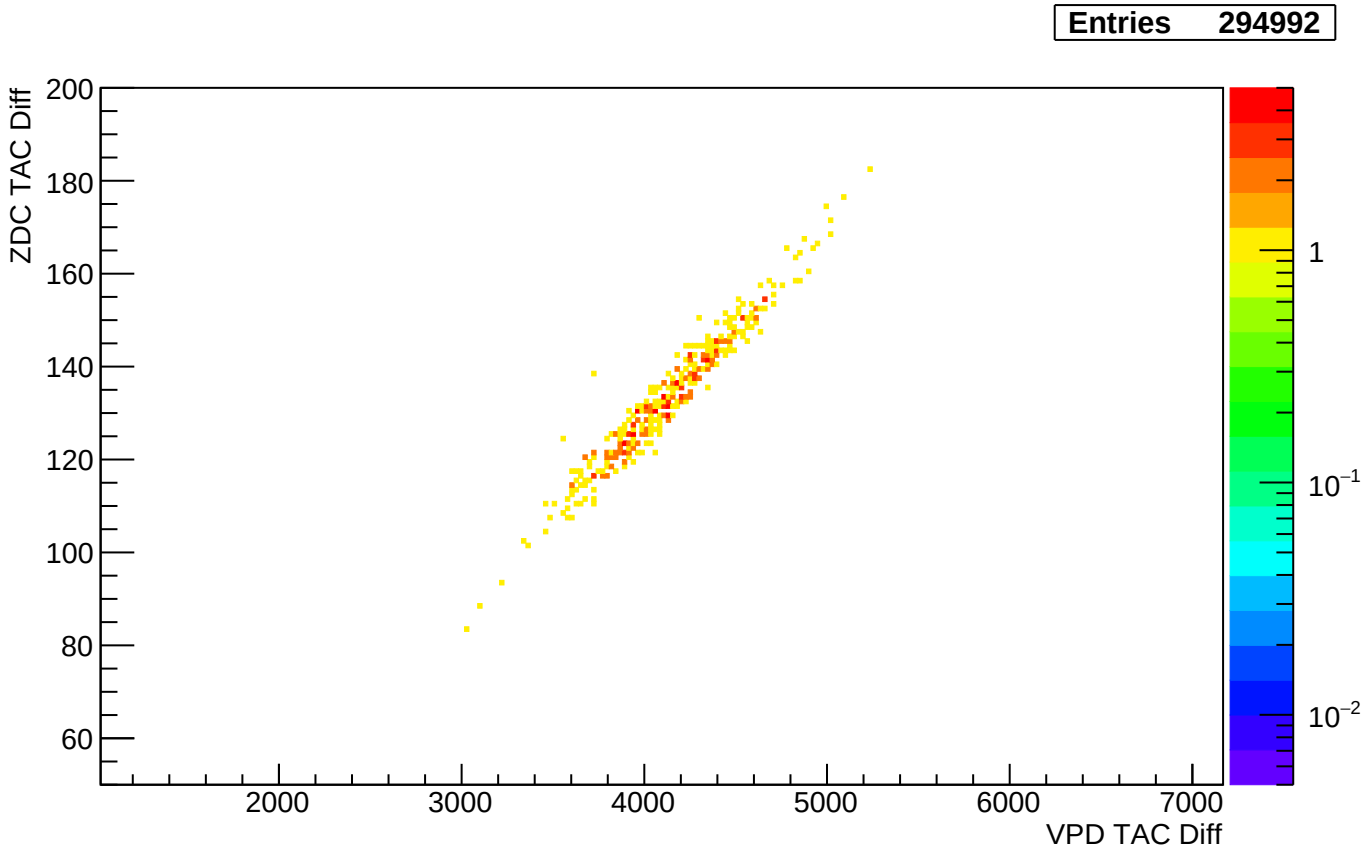

Entries 294992
TOF-Mult
EPD-East Hit Cnt

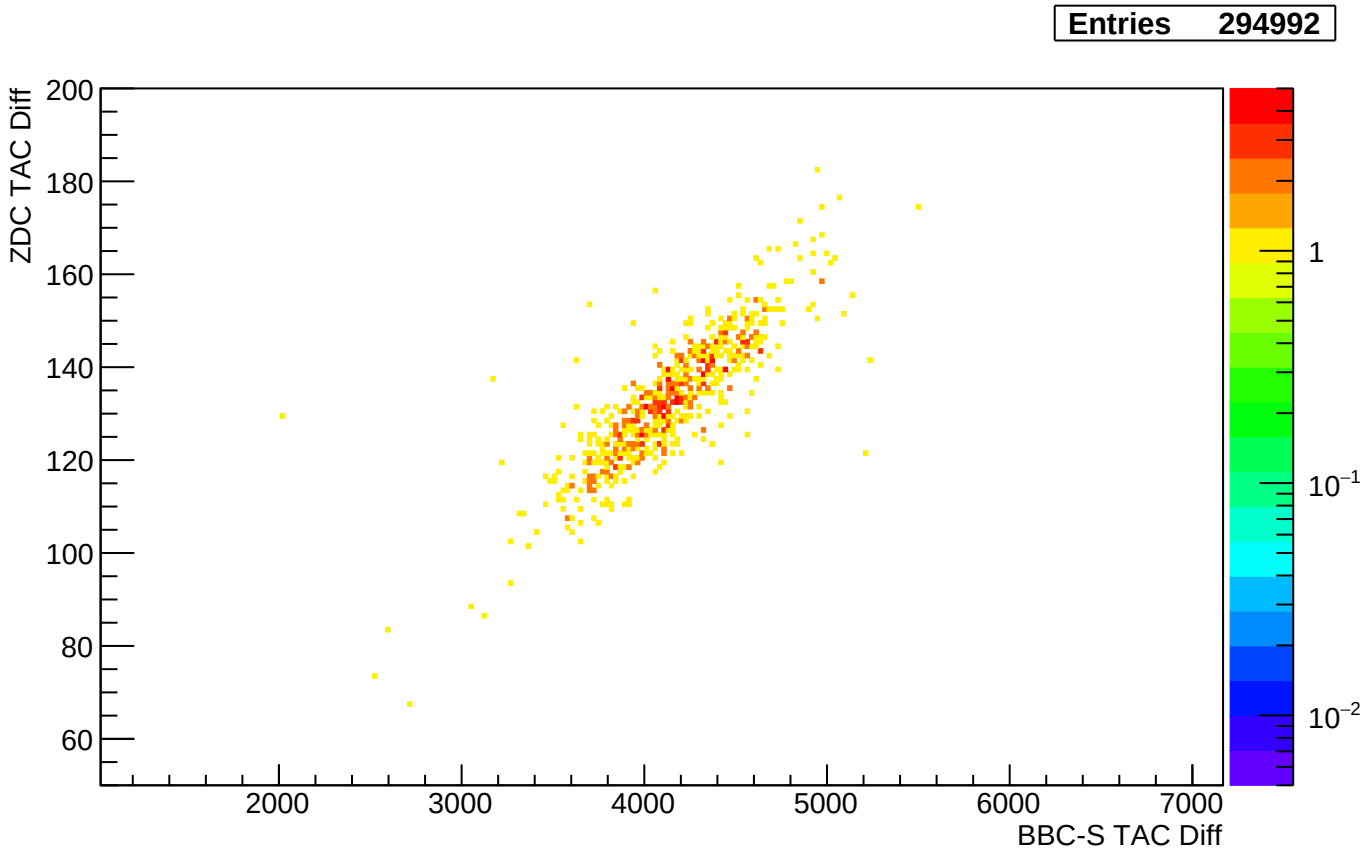

Entries 294992
TOF-Mult
EPD-West Hit Cnt

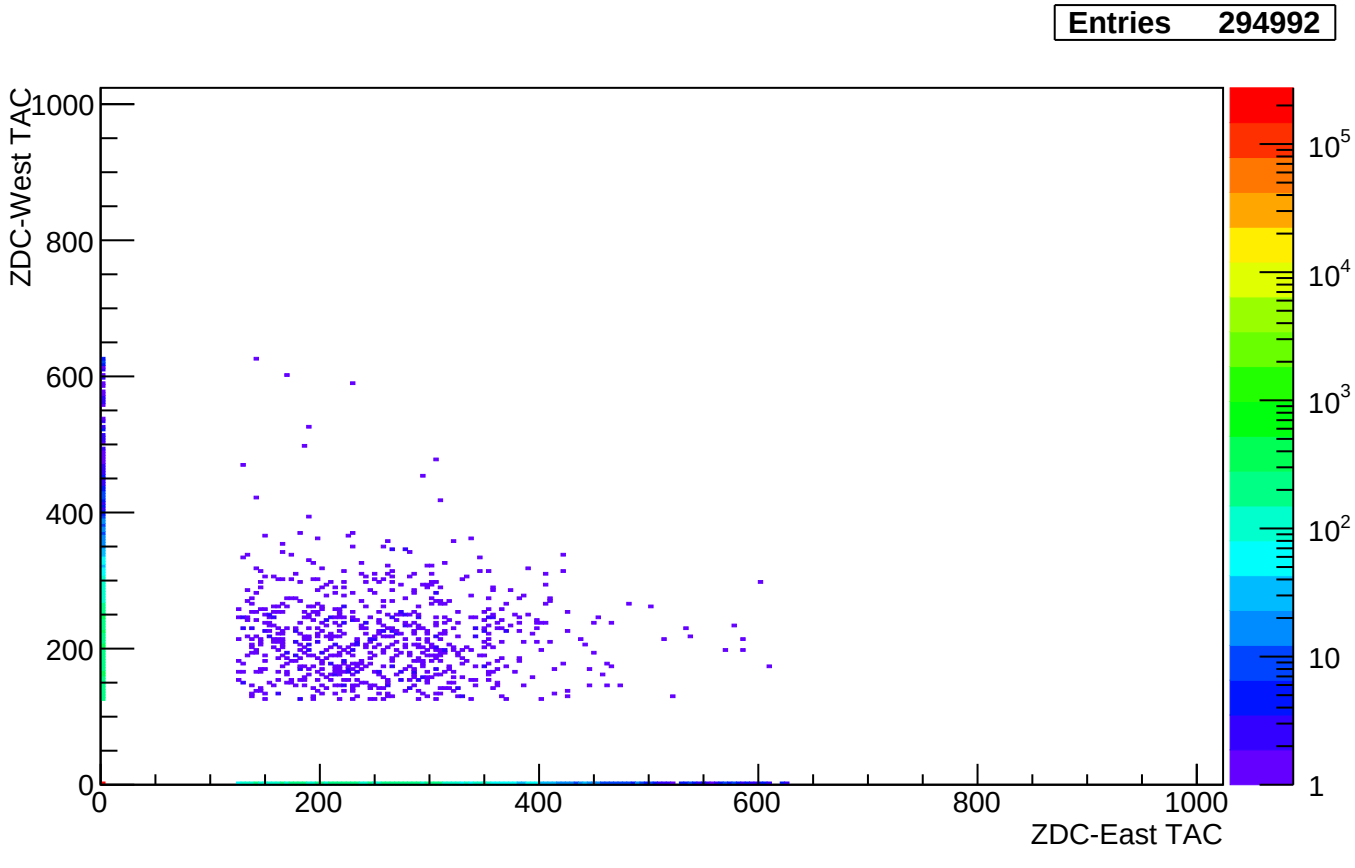

Entries 294992
TOF-Mult
VPD-East ADC Sum

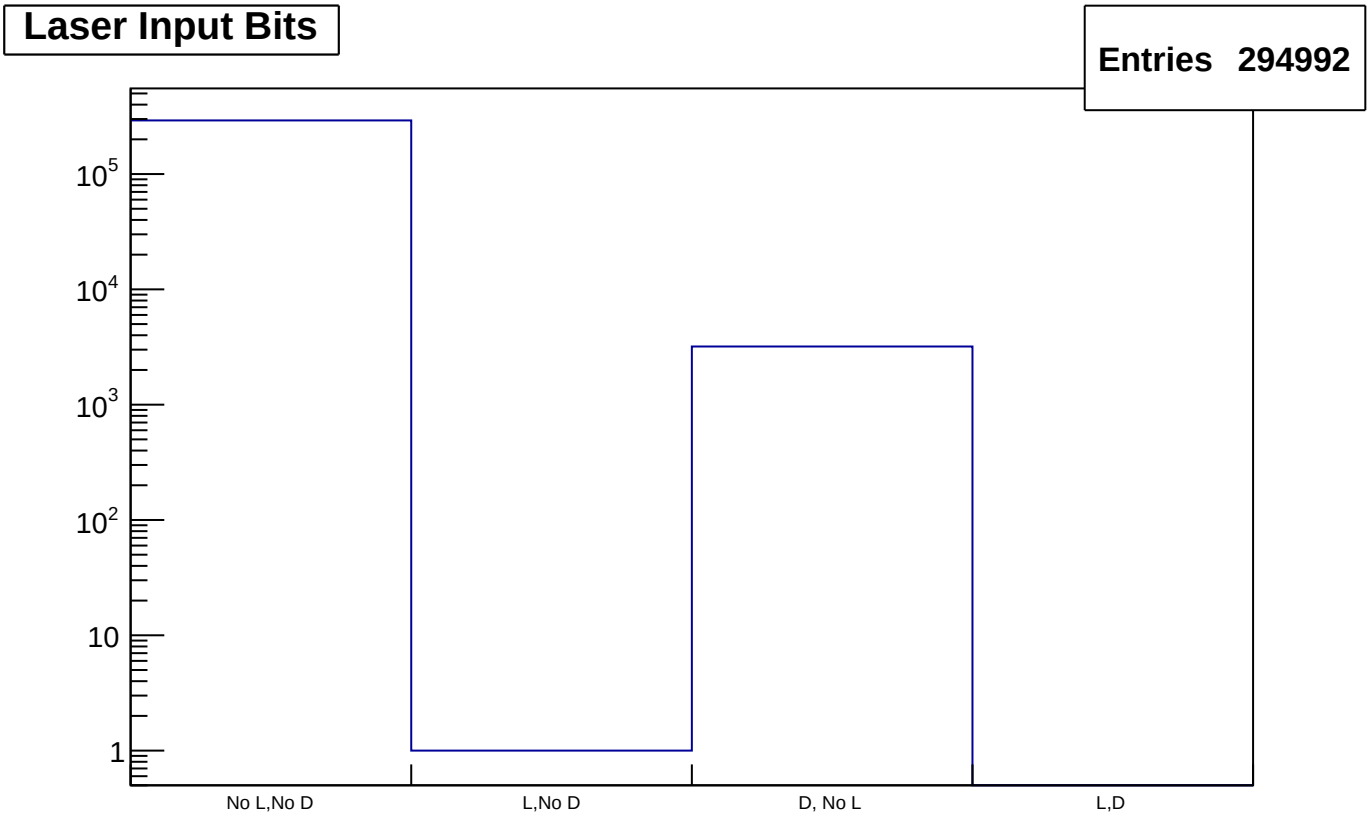

Entries 294992
TOF-Mult
VPD-West ADC Sum

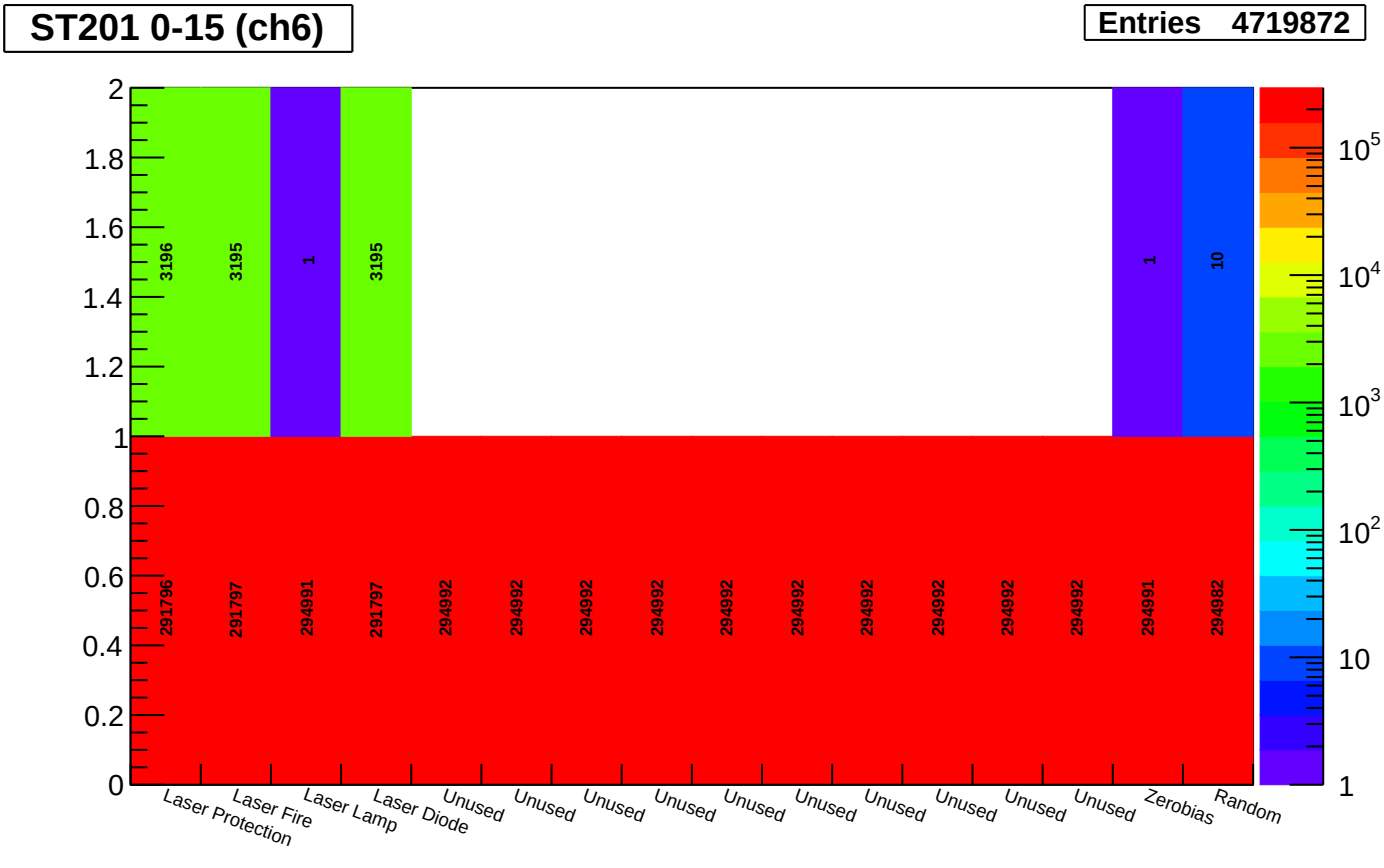

Entries 294992
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

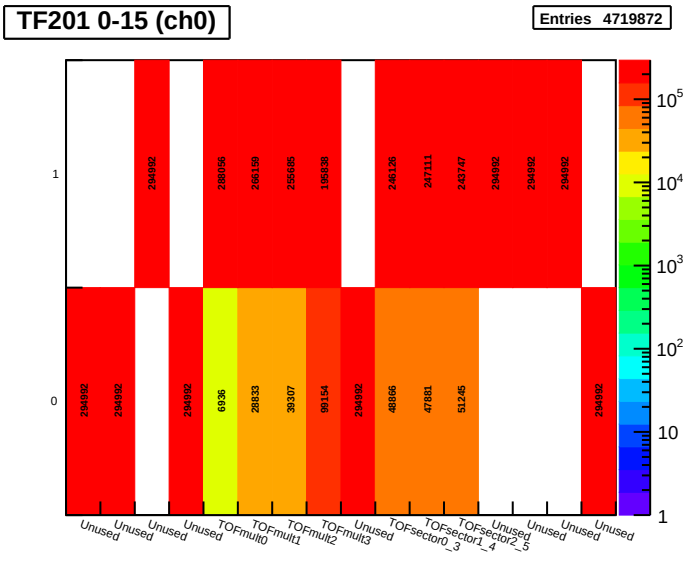

Entries 294992
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

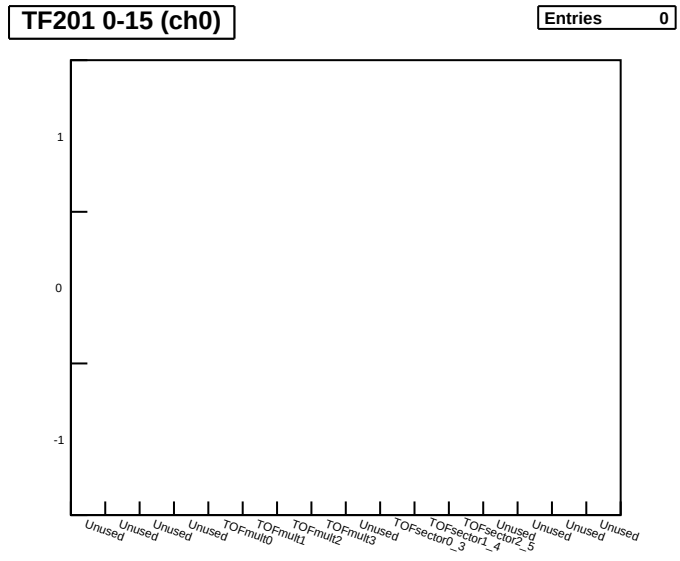

Entries 294992
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

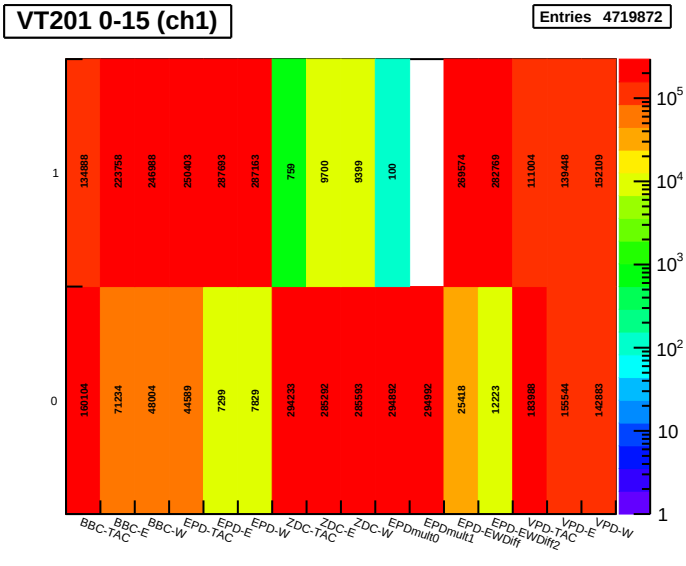

Entries 294992
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
$10^5$
$10^4$
$10^3$
$10^2$
10
1

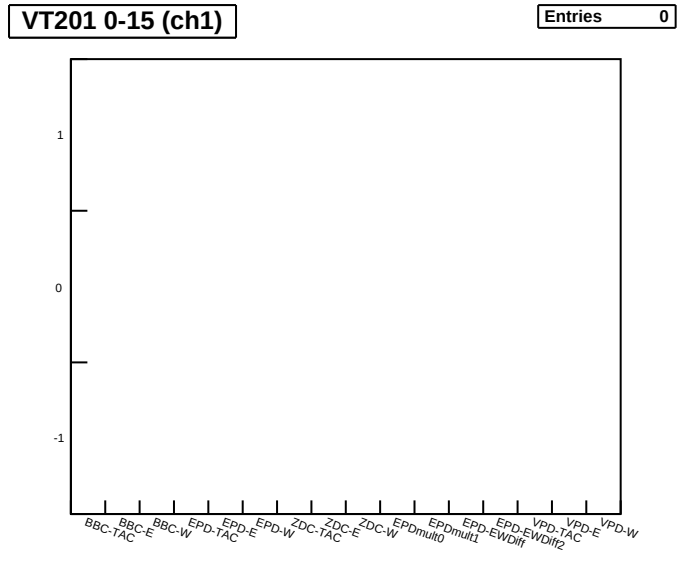

Laser Input Bits
Entries 294992
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

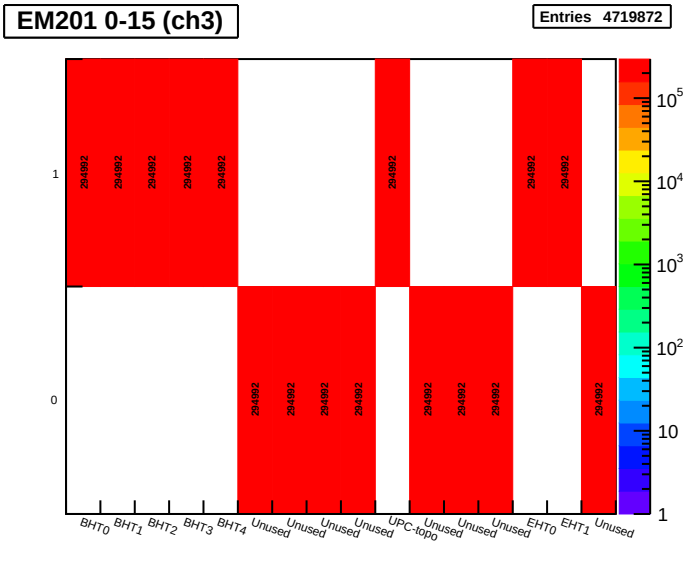

ST201 0-15 (ch6)
Entries 4719872
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3196
3195
1
3195
1
10
291796
291797
294991
291797
294992
294992
294992
294992
294992
294992
294992
294992
294992
294992
294991
294982
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

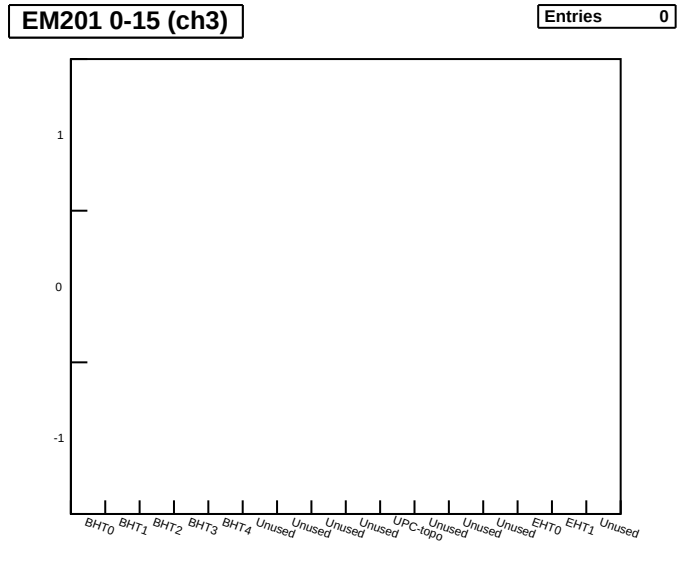

TF201 0-15 (ch0)
Entries 4719872
1
0
294992 294992 294992 294992 280056 266159 255685 195838 246126 247111 243747 294992 294992 294992
294992 294992 294992 6936 28833 39307 99154 294992 48866 47881 51245 294992
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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


VT201 0-15 (ch1)
Entries 4719872
1
0
134888 223758 246988 250403 287693 287163 759 9700 9399 100 269574 282769 111004 139448 152109
160104 71234 48004 44589 7299 7829 294233 285292 285593 294992 294992 25418 12223 183988 155544 142883
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 4719872
1
0
294992 294992 294992 294992 294992 294992 294992 294992 294992
294992 294992 294992 294992 294992 294992 294992 294992
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