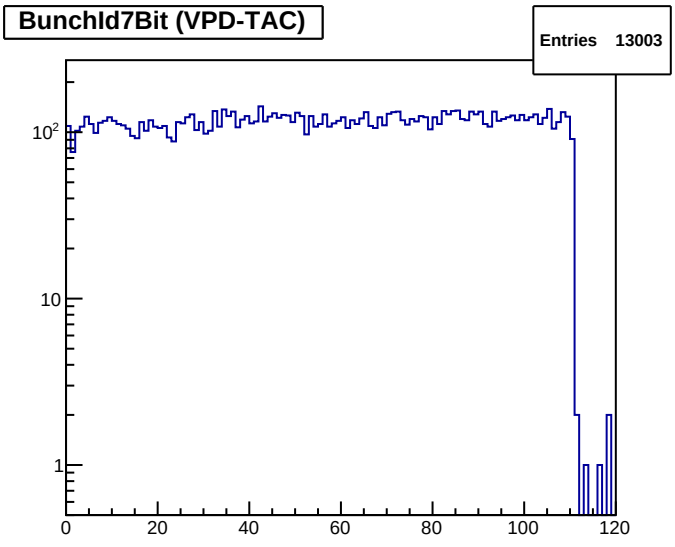
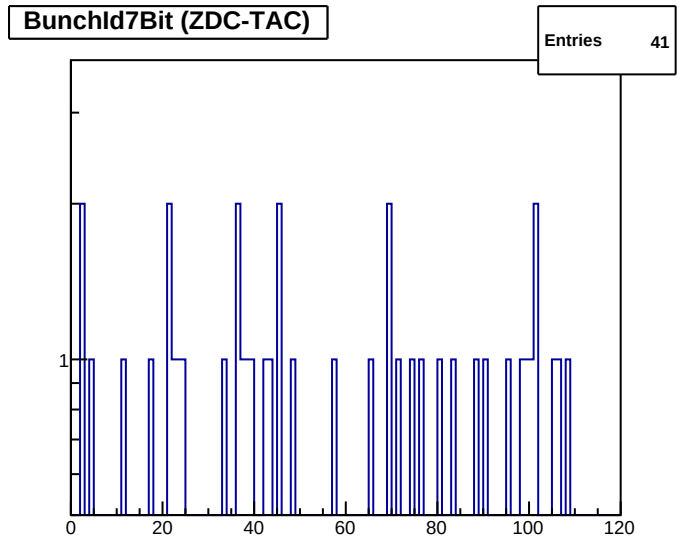
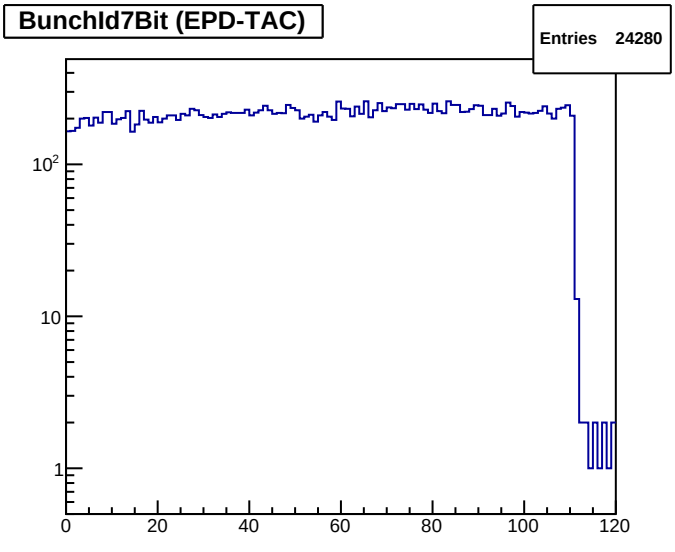
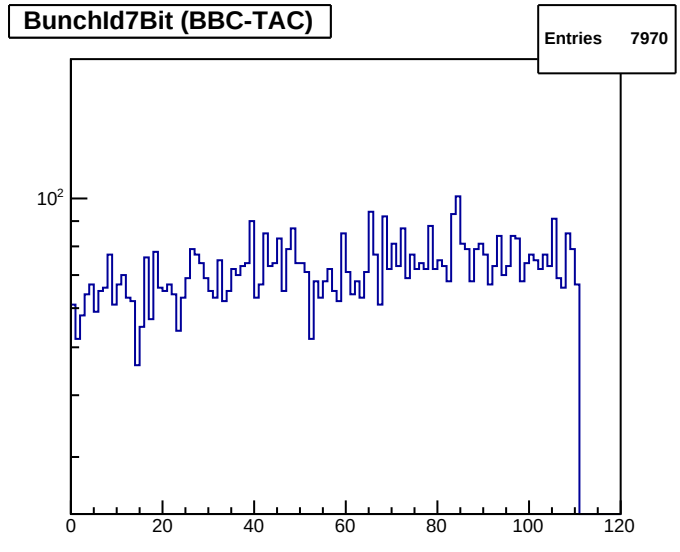
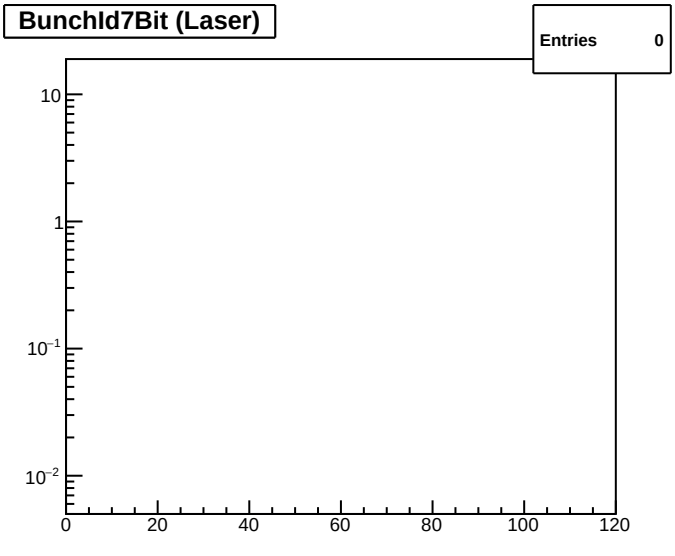
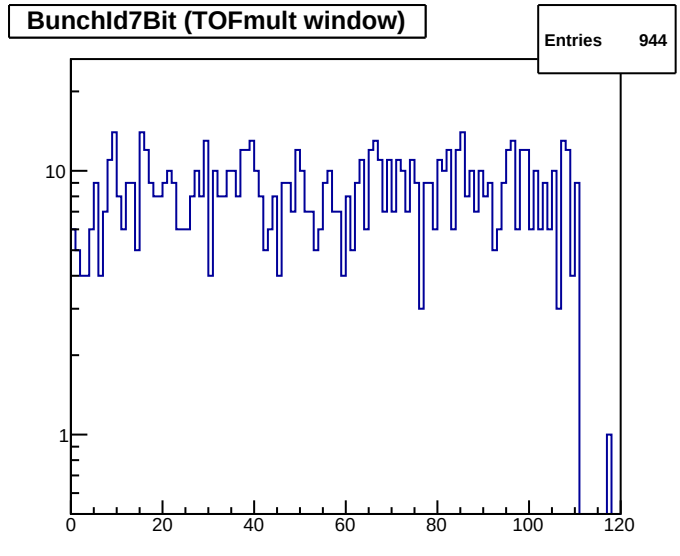

BunchId7Bit (VPD-TAC)
Entries 13003
10^2
10
1
0
20
40
60
80
100
120

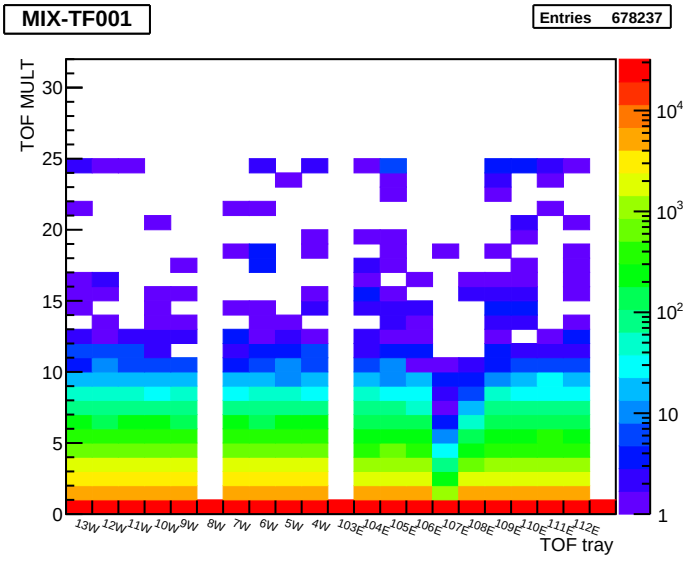

BunchId7Bit (ZDC-TAC)
Entries 41
1
0
20
40
60
80
100
120

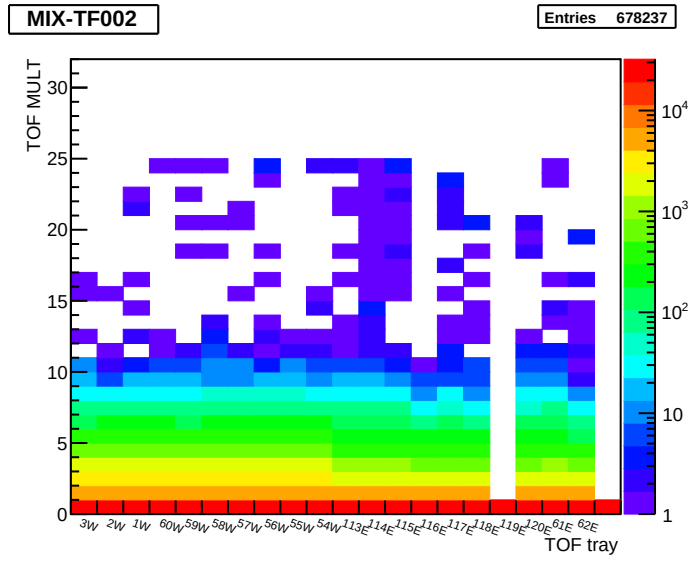

BunchId7Bit (EPD-TAC)
Entries 24280
10^2
10
1
0
20
40
60
80
100
120

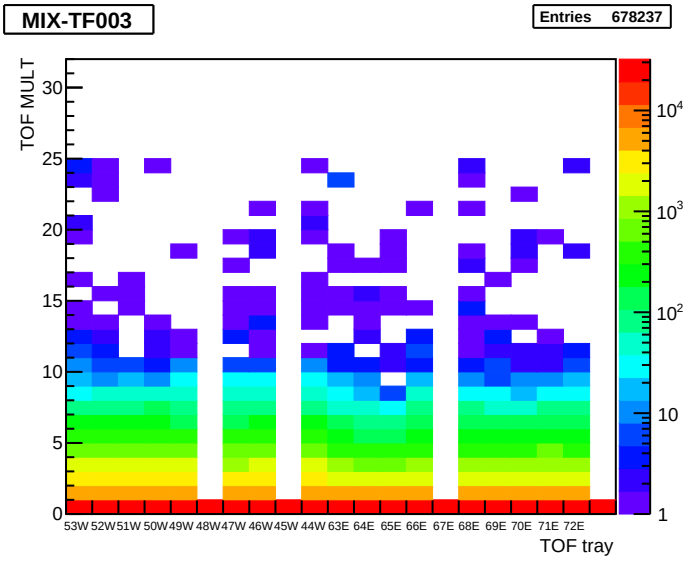

BunchId7Bit (BBC-TAC)
Entries 7970
10^2
0
20
40
60
80
100
120

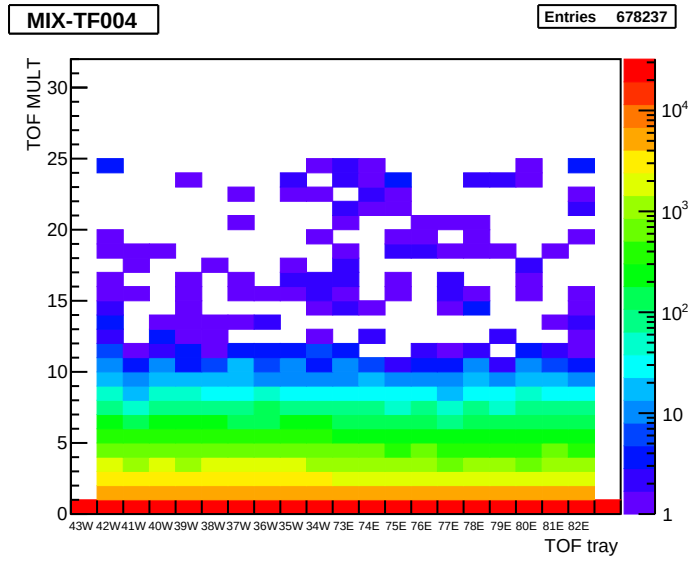

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

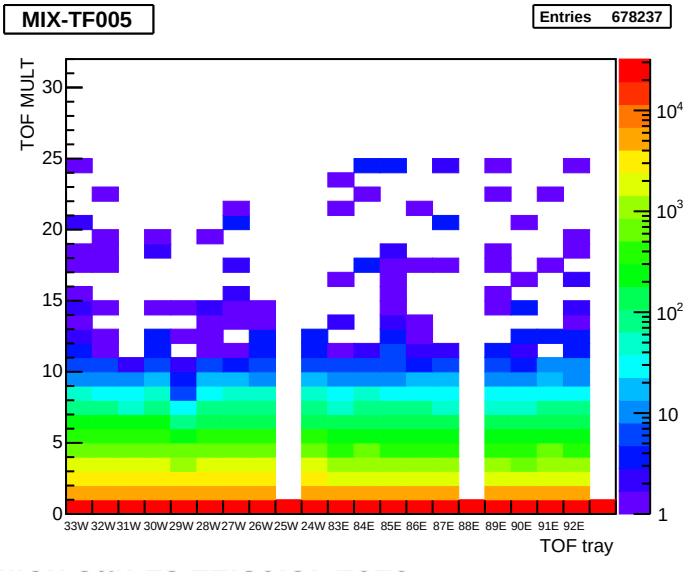

BunchId7Bit (TOFmult window)
Entries 944
10
1
0
20
40
60
80
100
120

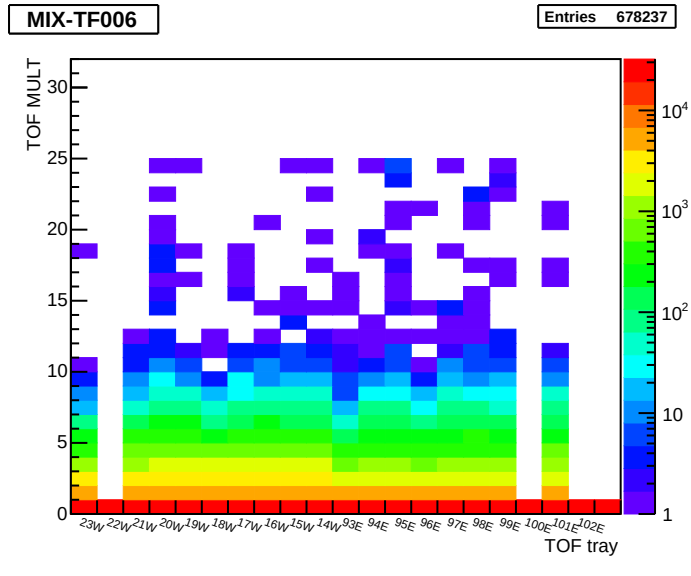

MIX-TF001
Entries 678237
TOF MULT
TOF tray

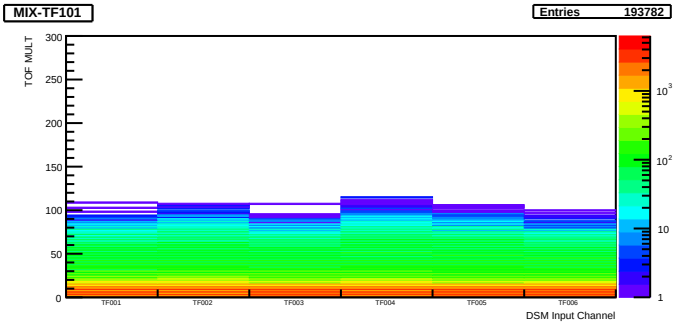

MIX-TF002
Entries 678237
TOF MULT
TOF tray

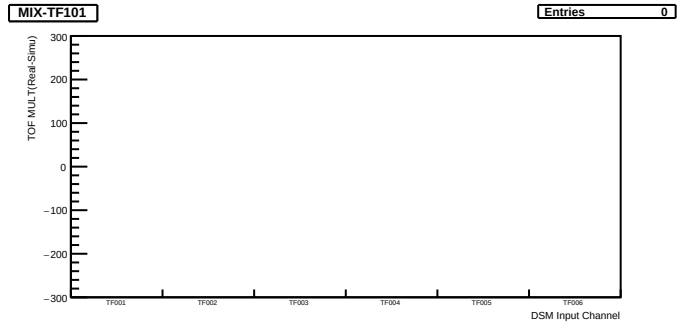

MIX-TF003
Entries 678237
TOF MULT
TOF tray

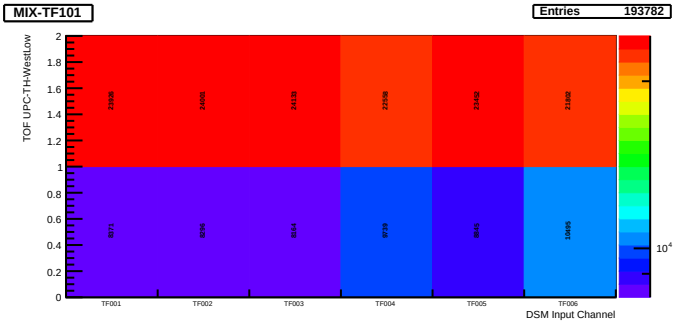

MIX-TF004
Entries 678237
TOF MULT
TOF tray

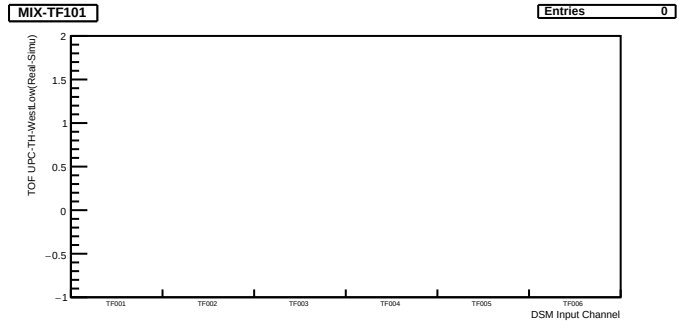

MIX-TF005
Entries 678237
TOF MULT
TOF tray

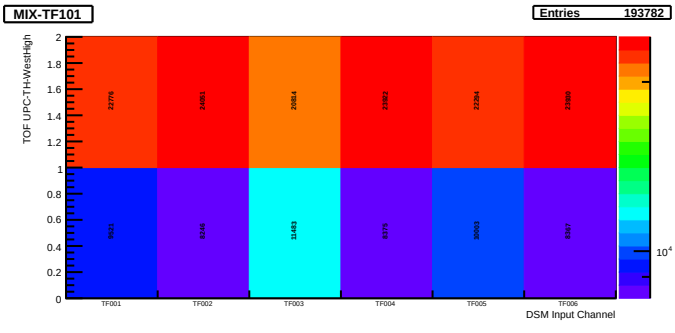

MIX-TF006
Entries 678237
TOF MULT
TOF tray

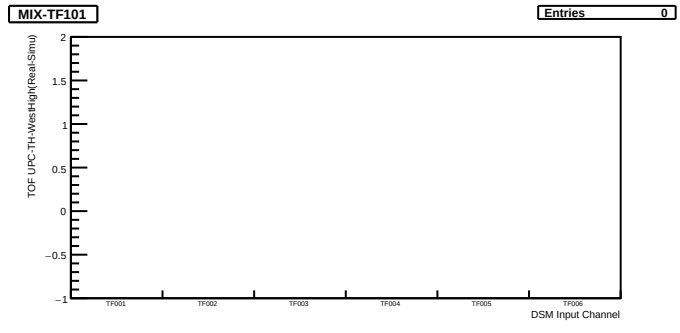

MIX-TF101
Entries 193782
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

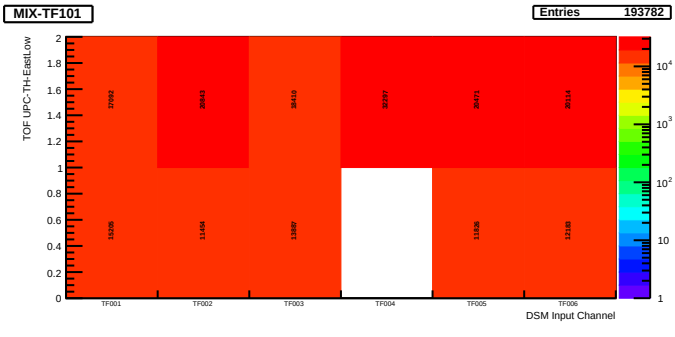

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

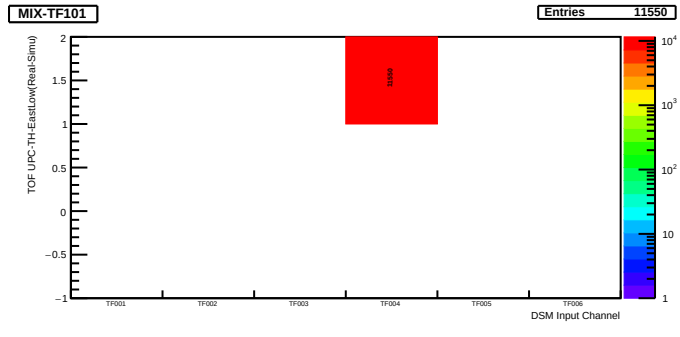

MIX-TF101
Entries 193782
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

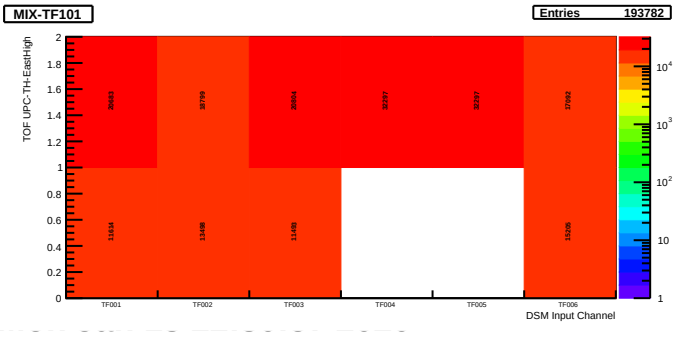

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

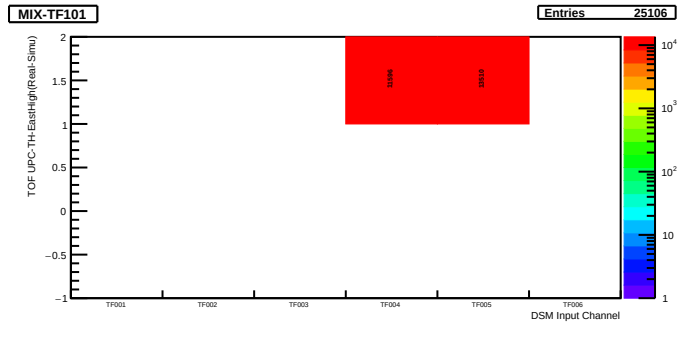

MIX-TF101
Entries 193782
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

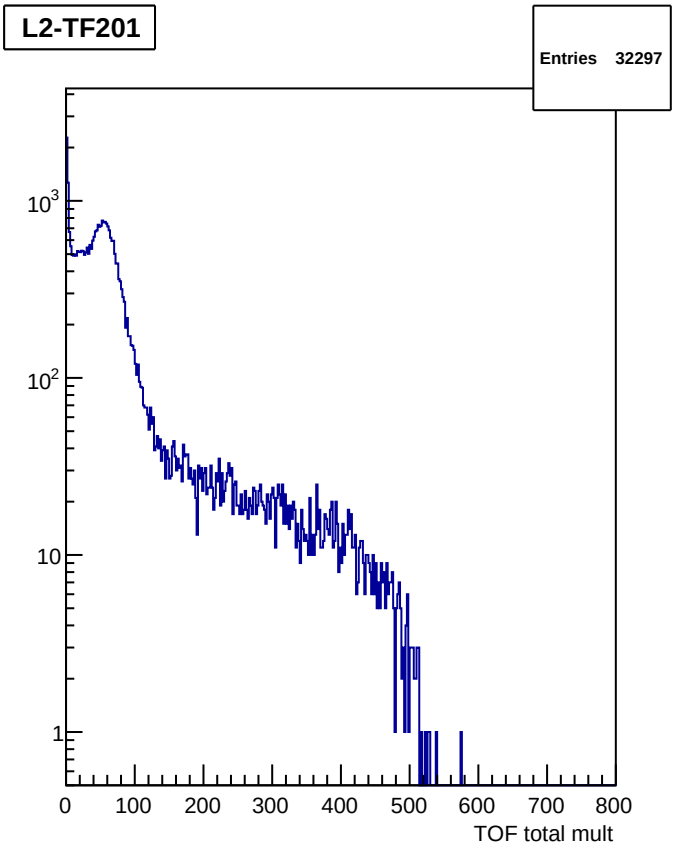

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

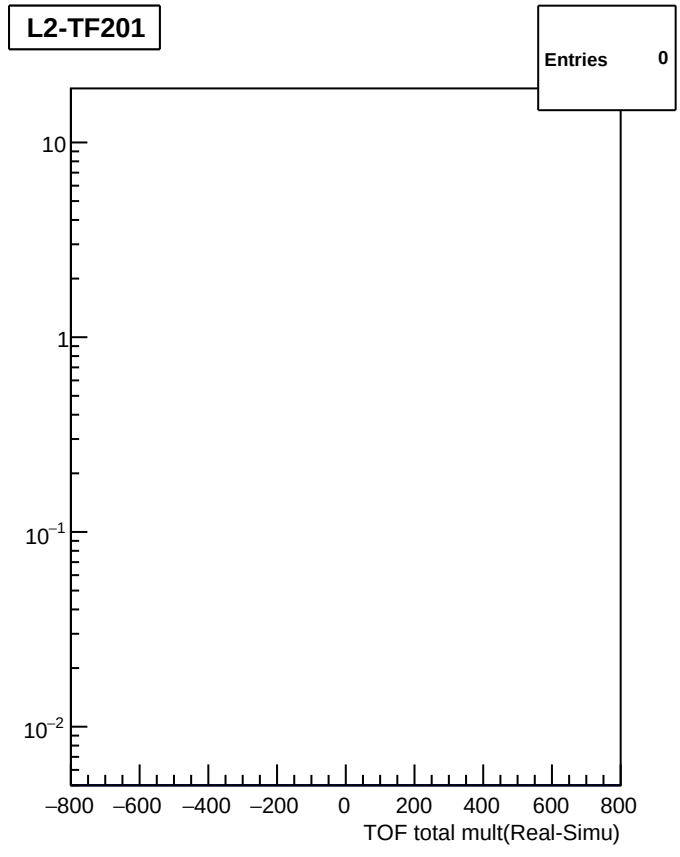

MIX-TF101
Entries 193782
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

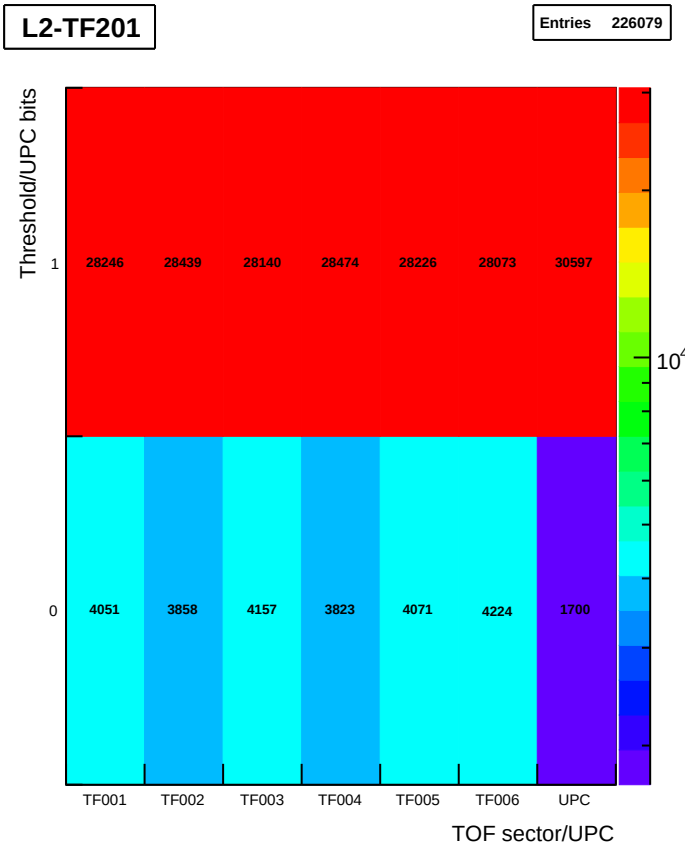

MIX-TF101
Entries 11550
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

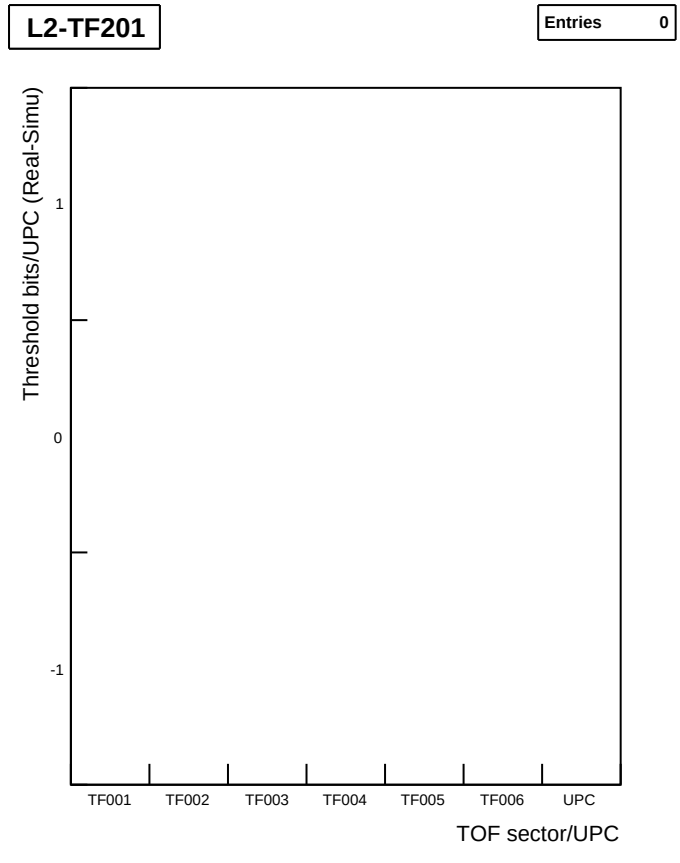

MIX-TF101
Entries 193782
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

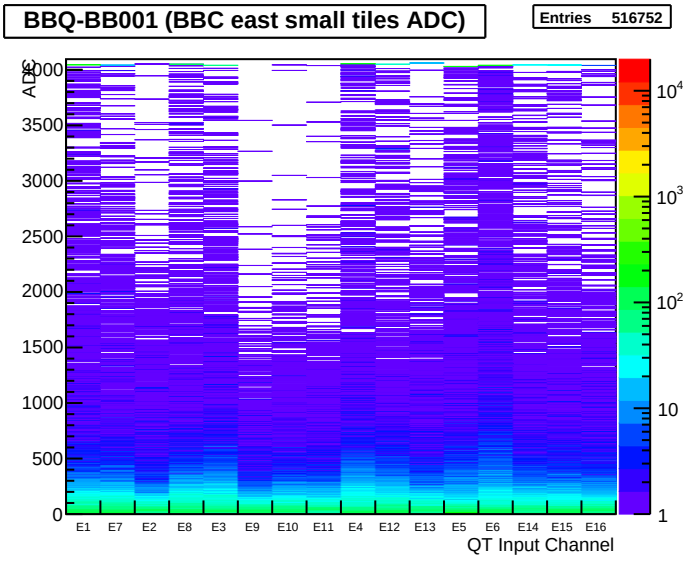

MIX-TF101
Entries 25106
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

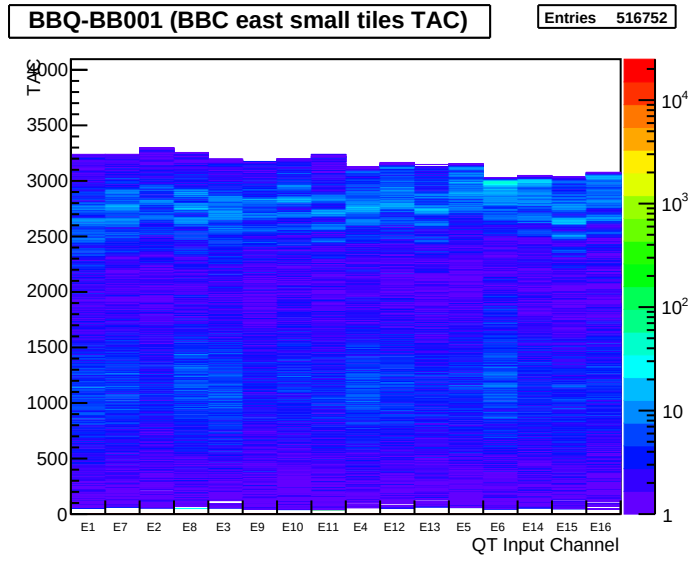

L2-TF201
Entries 32297
10^3
10^2
10
1
0 100 200 300 400 500 600 700 800
TOF total mult

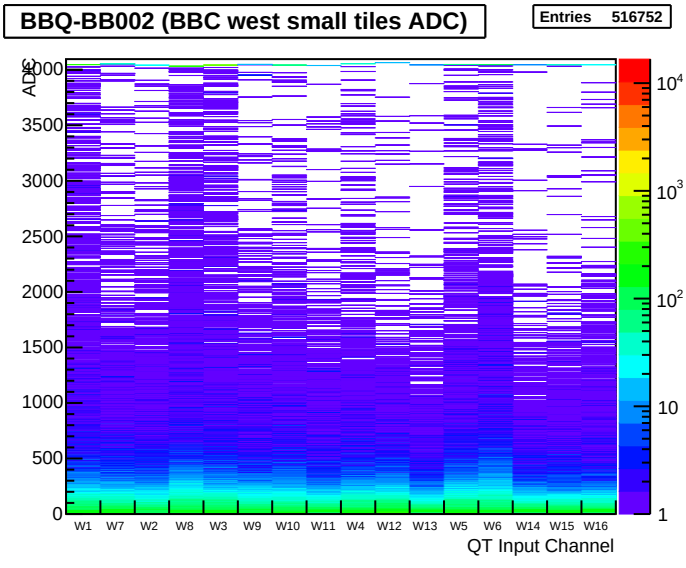

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
–800 –600 –400 –200 0 200 400 600 800
TOF total mult(Real-Simu)

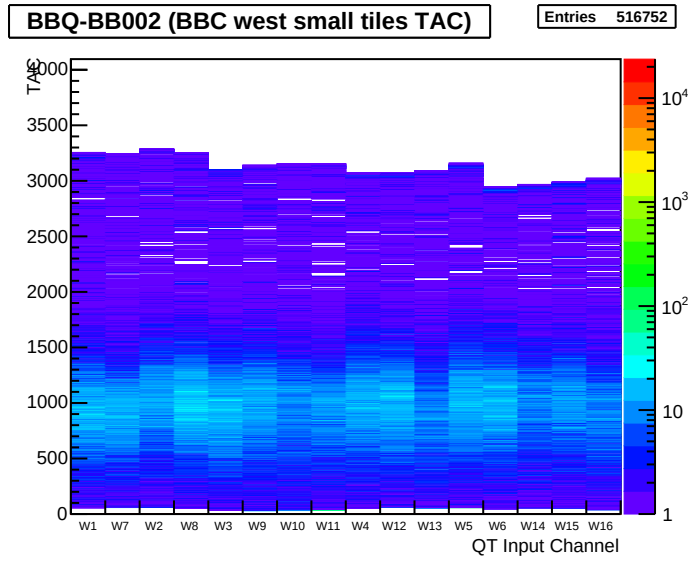

L2-TF201
Entries 226079
Threshold/UPC bits
1
0
28246 28439 28140 28474 28226 28073 30597
4051 3858 4157 3823 4071 4224 1700
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

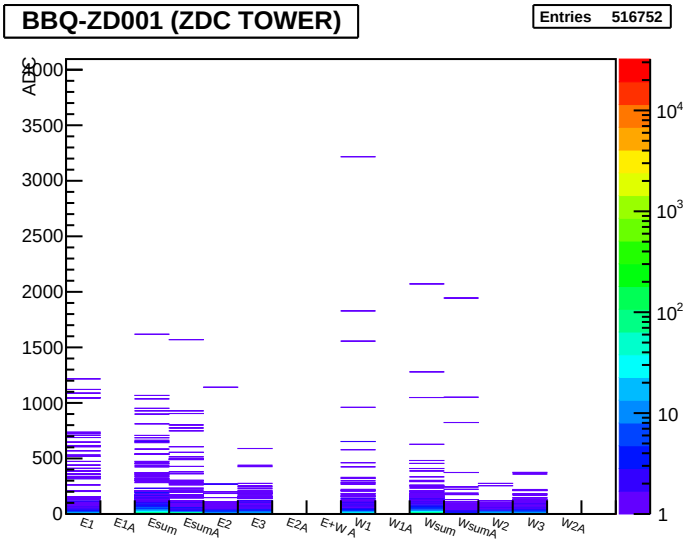

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

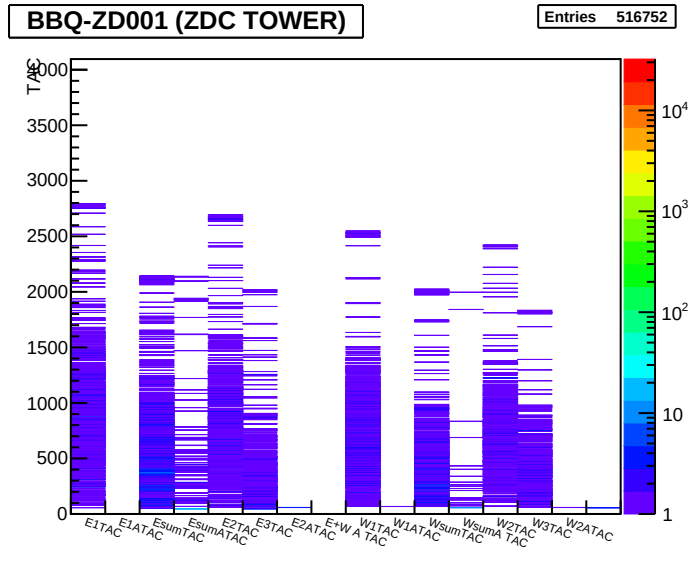

BBQ-BB001 (BBC east small tiles ADC)
Entries 516752
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

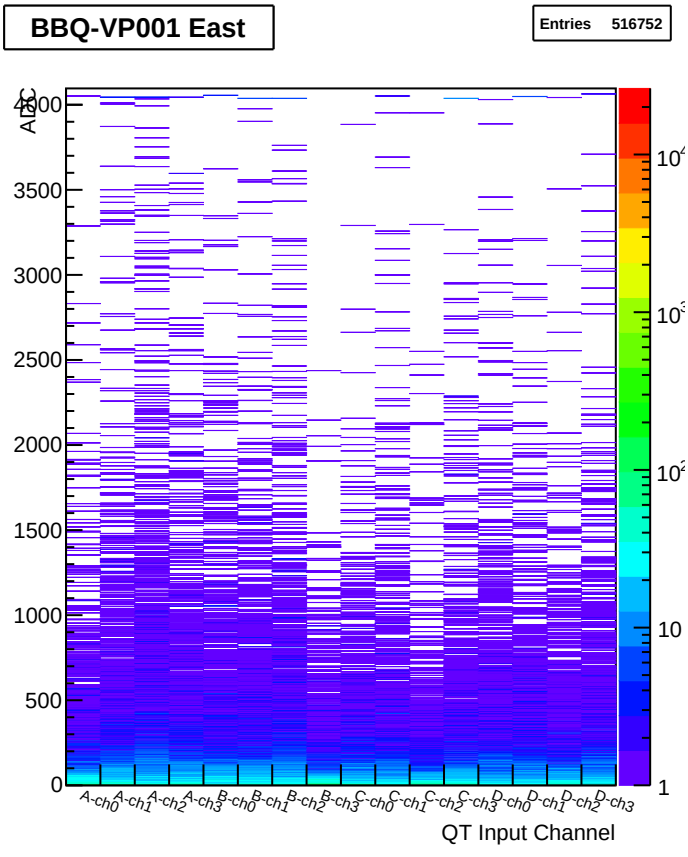

BBQ-BB001 (BBC east small tiles TAC)
Entries 516752
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

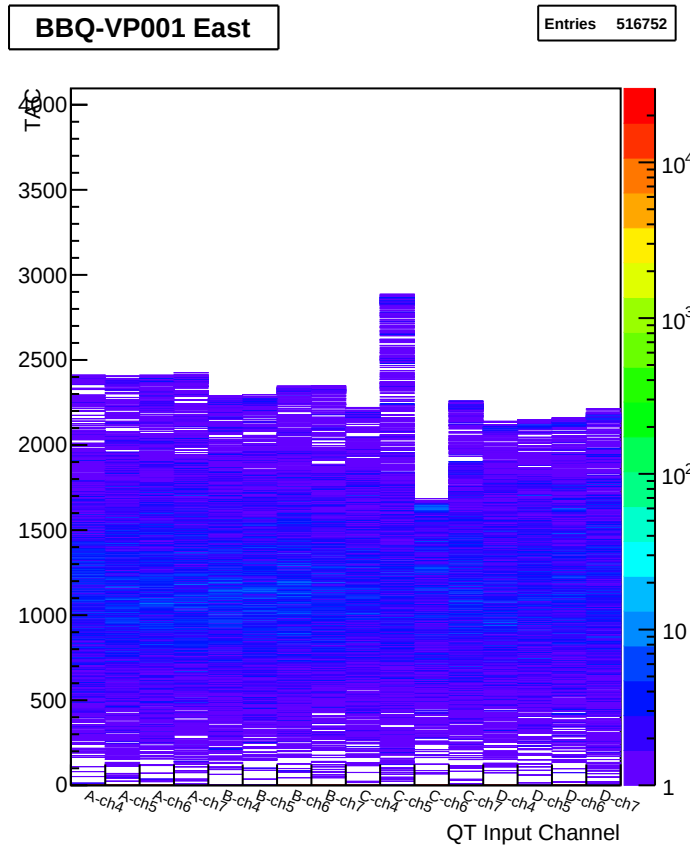

BBQ-BB002 (BBC west small tiles ADC)
Entries 516752
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

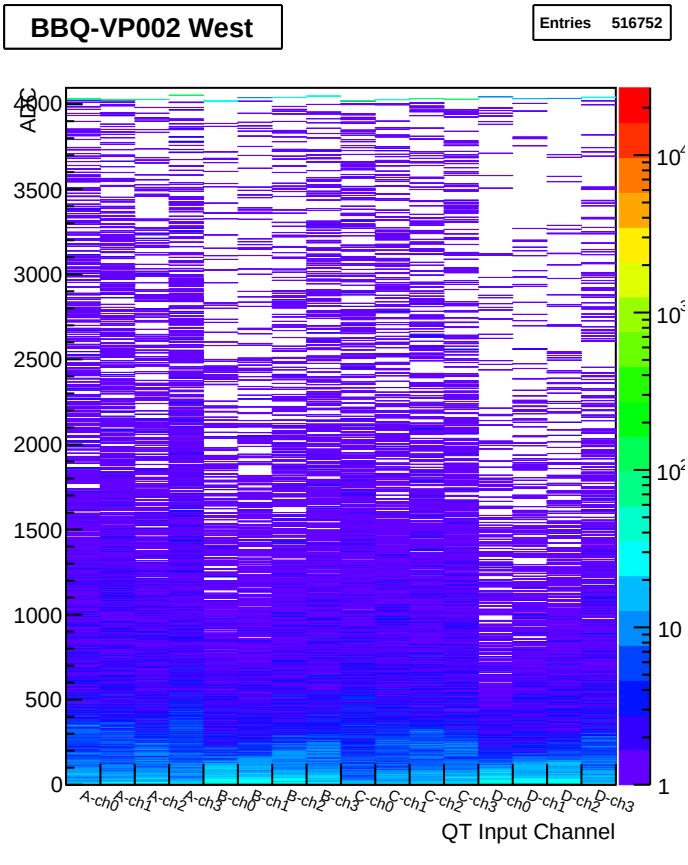

BBQ-BB002 (BBC west small tiles TAC)
Entries 516752
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

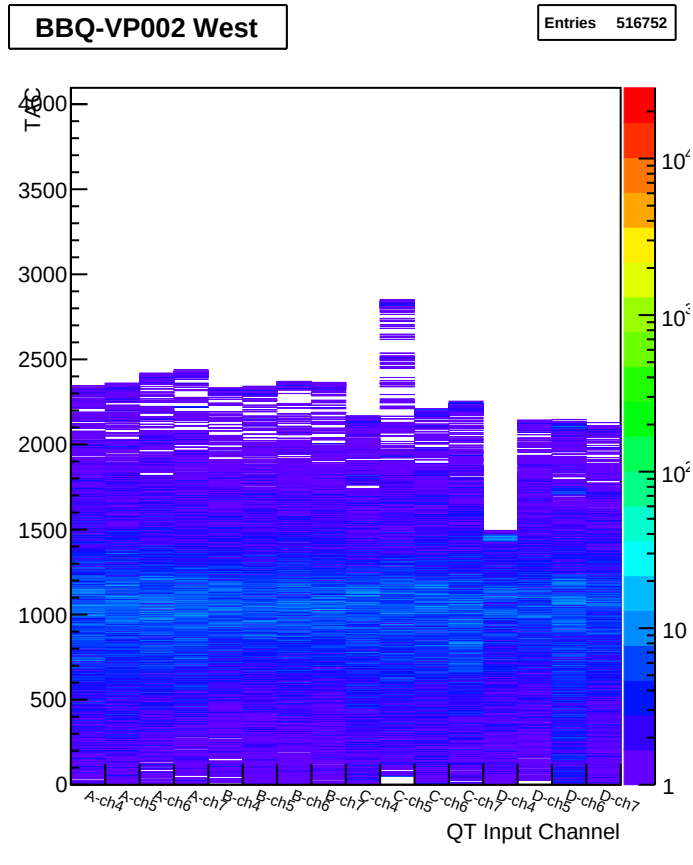

BBQ-ZD001 (ZDC TOWER)
Entries 516752
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

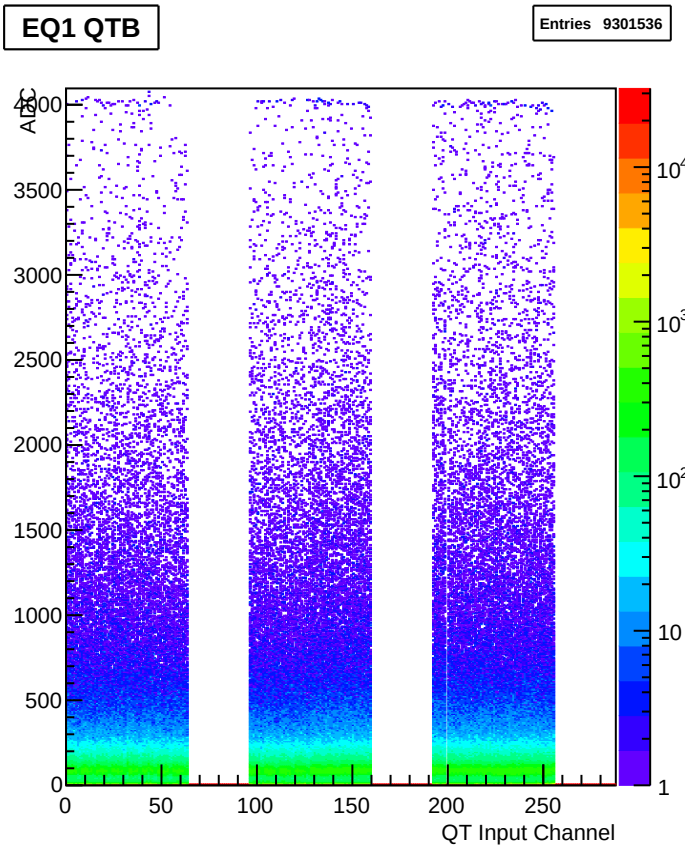

BBQ-ZD001 (ZDC TOWER)
Entries 516752
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

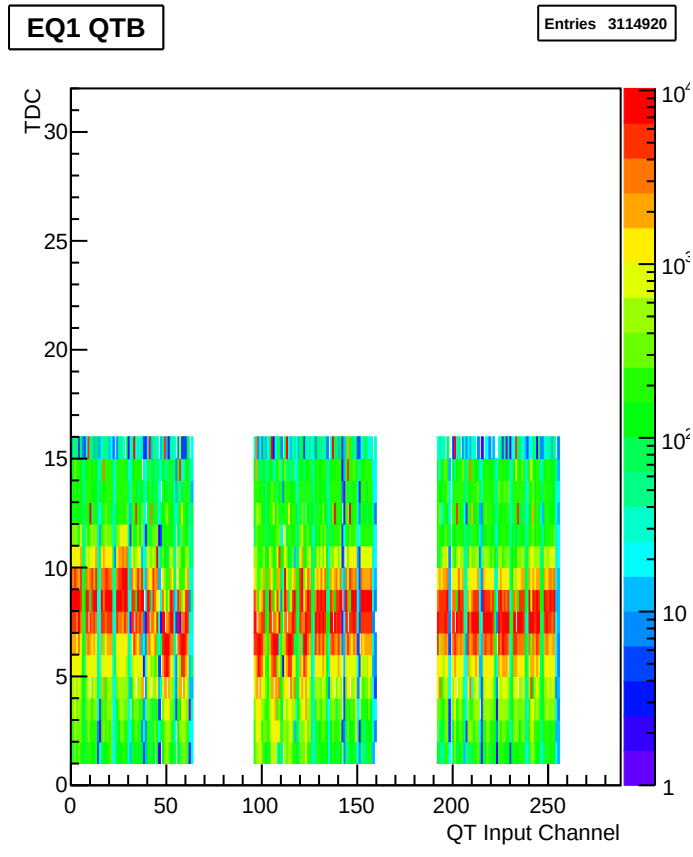

BBQ-VP001 East
Entries 516752
ADC
QT Input Channel

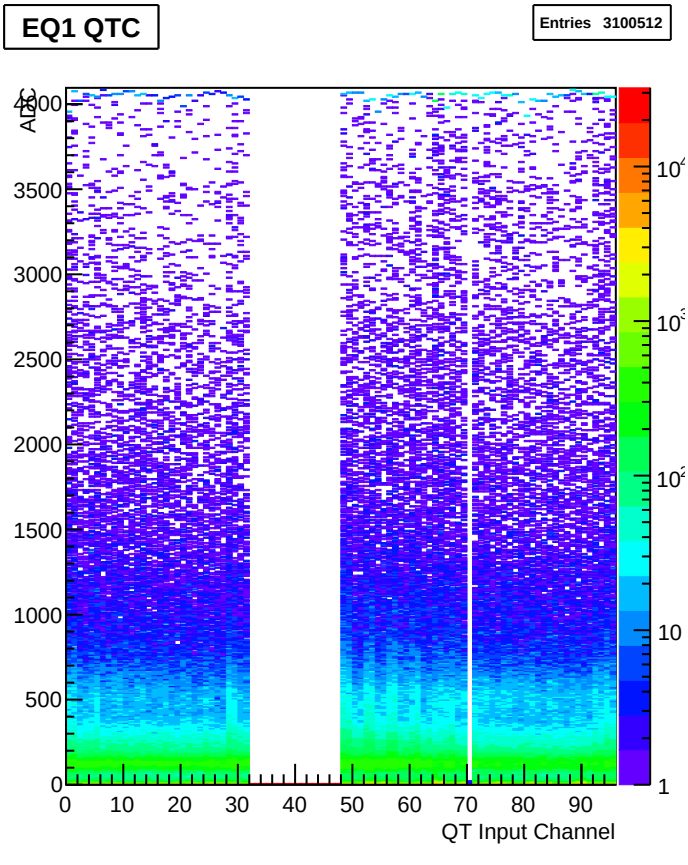

BBQ-VP001 East
Entries 516752
TADC
QT Input Channel

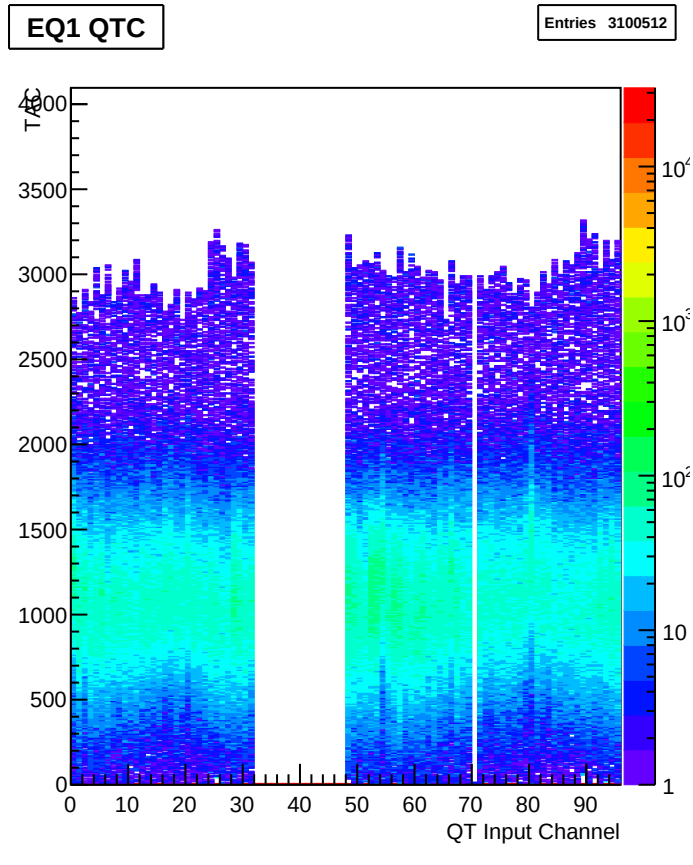

BBQ-VP002 West
Entries 516752
ADC
QT Input Channel

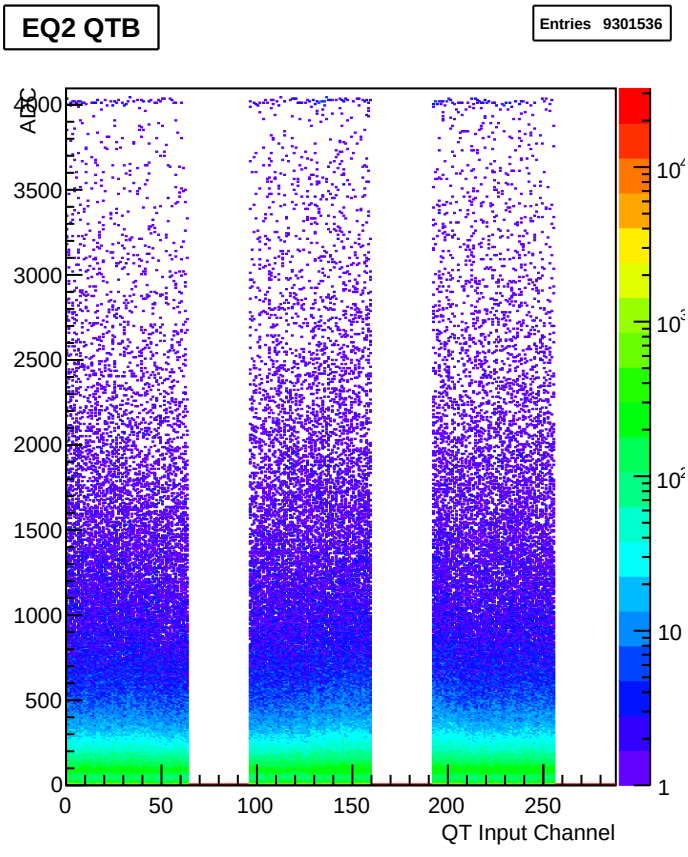

BBQ-VP002 West
Entries 516752
TADC
QT Input Channel

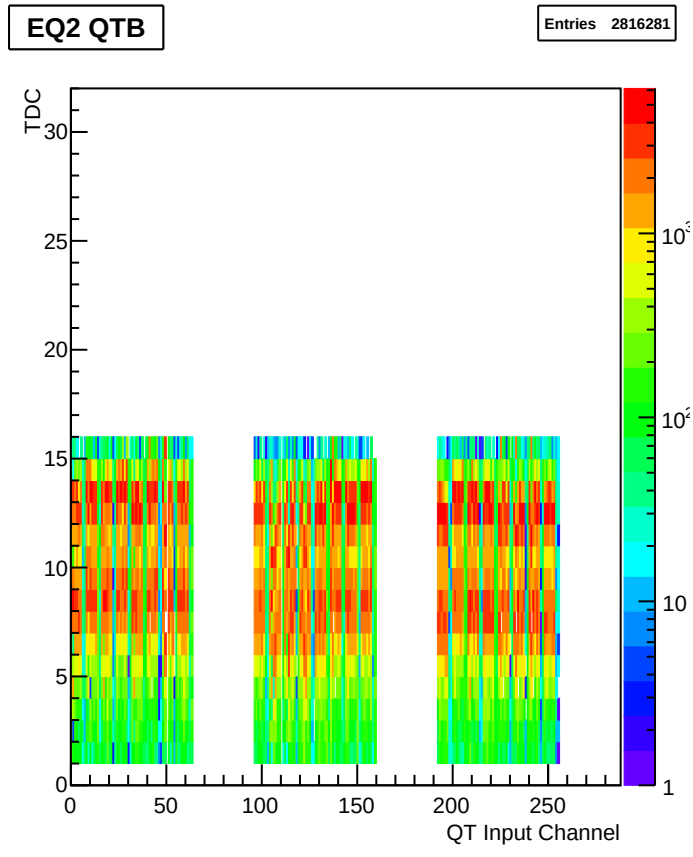

EQ1 QTB
Entries 9301536
ADC
QT Input Channel

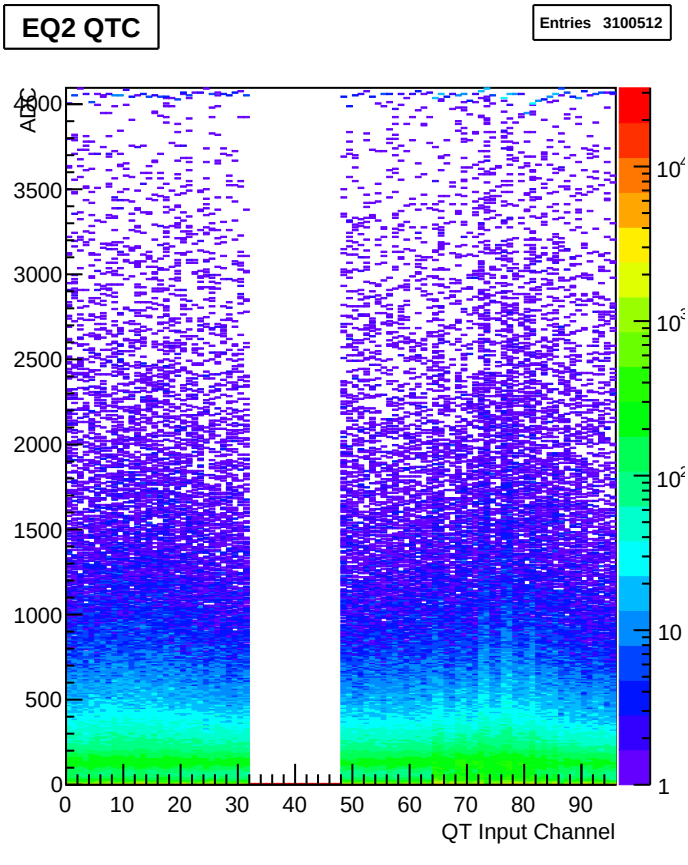

EQ1 QTB
Entries 3114920
TDC
QT Input Channel

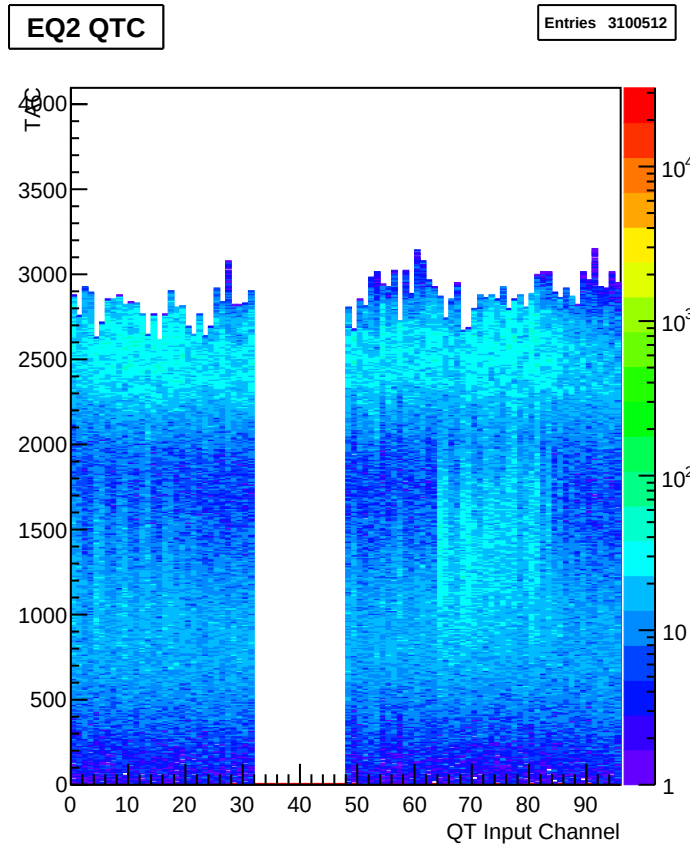

EQ1 QTC
Entries 3100512
ADC
QT Input Channel

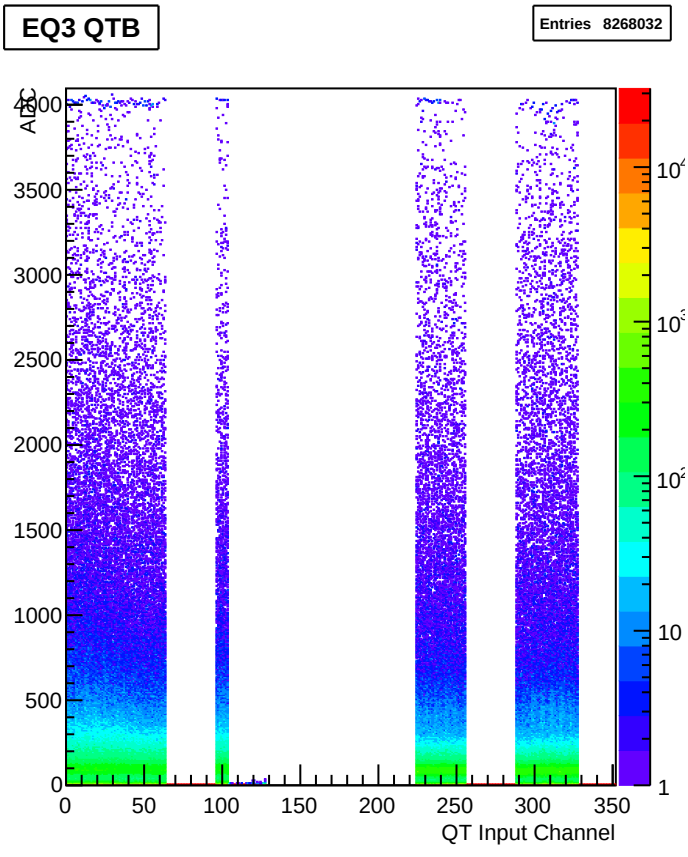

EQ1 QTC
Entries 3100512
TADC
QT Input Channel

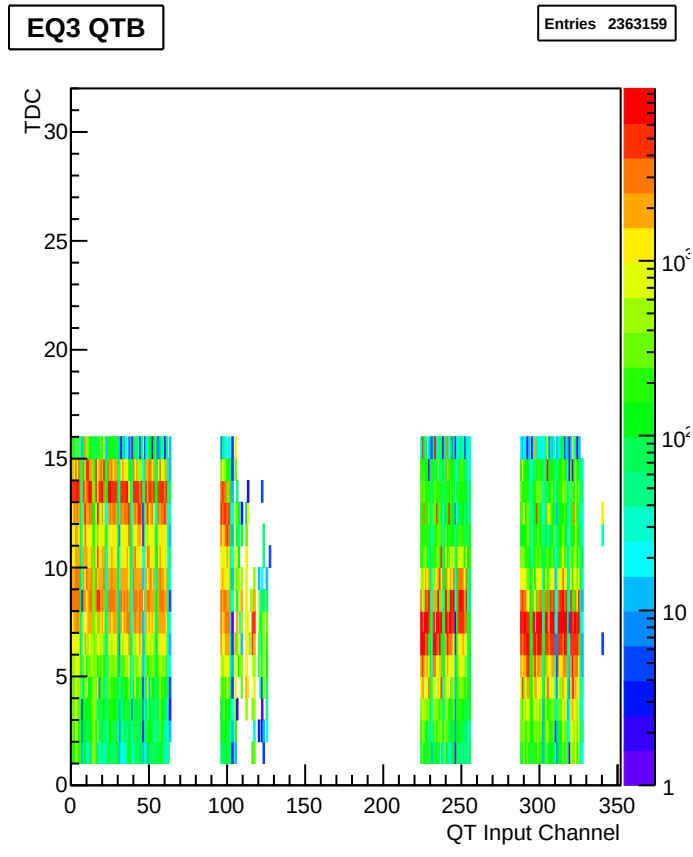

EQ2 QTB
Entries 9301536
ADC
QT Input Channel

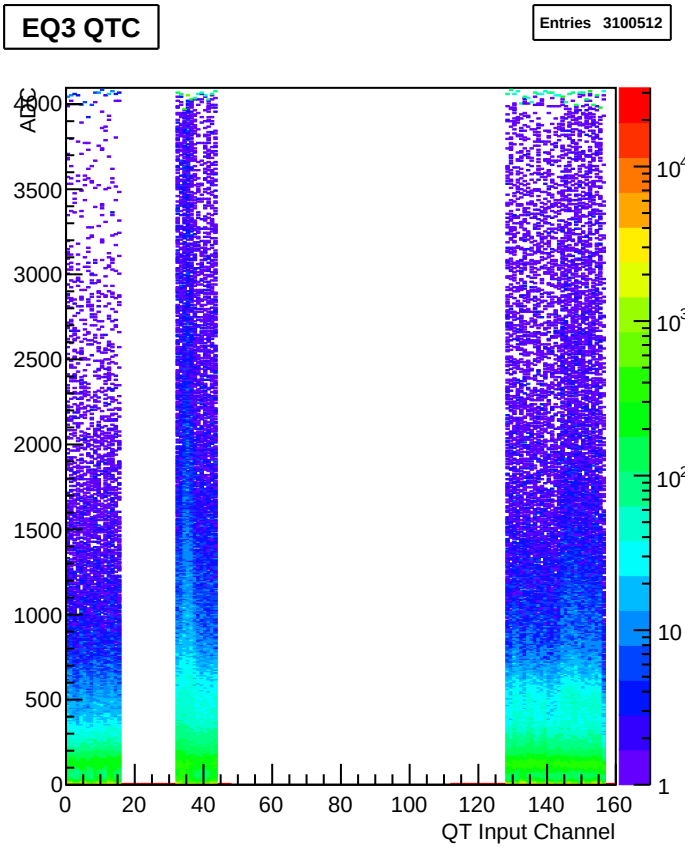

EQ2 QTB
Entries 2816281
TDC
QT Input Channel

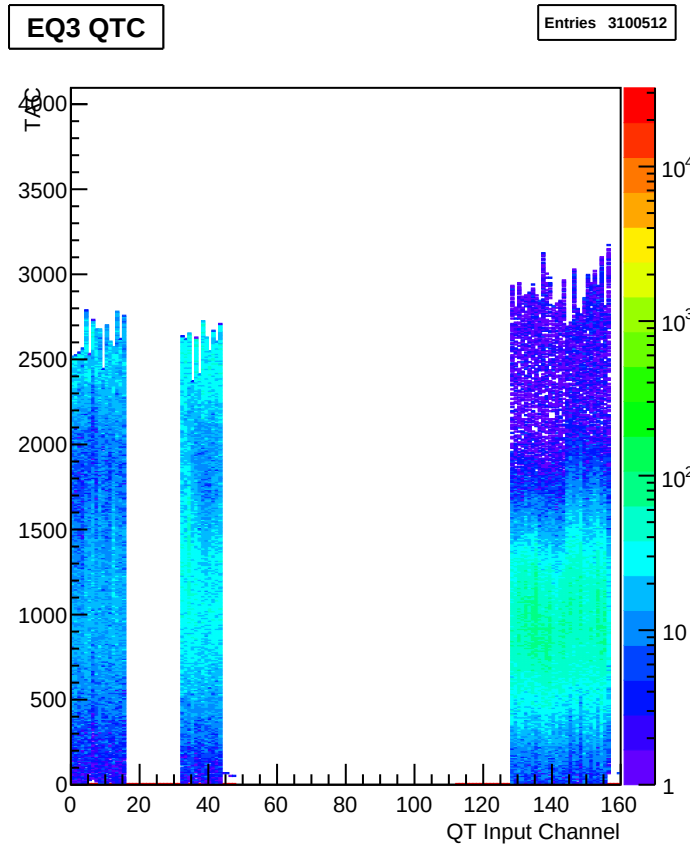

EQ2 QTC
Entries 3100512
ADC
QT Input Channel

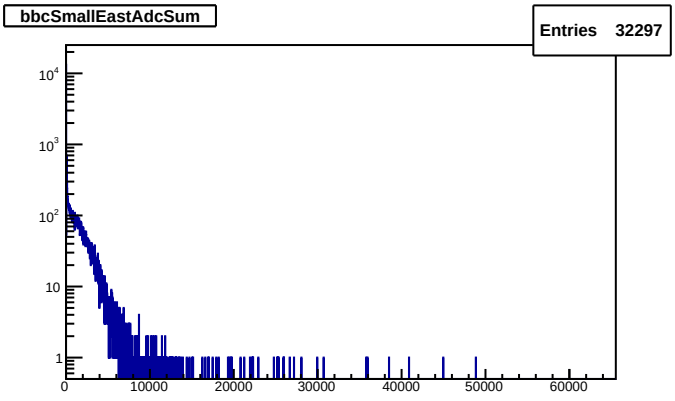

EQ2 QTC
Entries 3100512
TADC
QT Input Channel

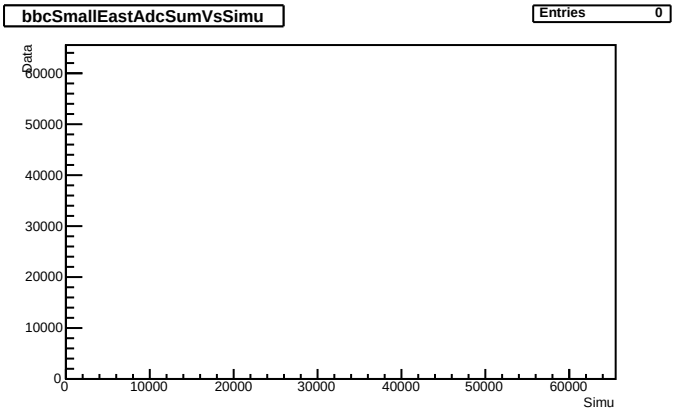

EQ3 QTB
Entries 8268032
ADC
QT Input Channel

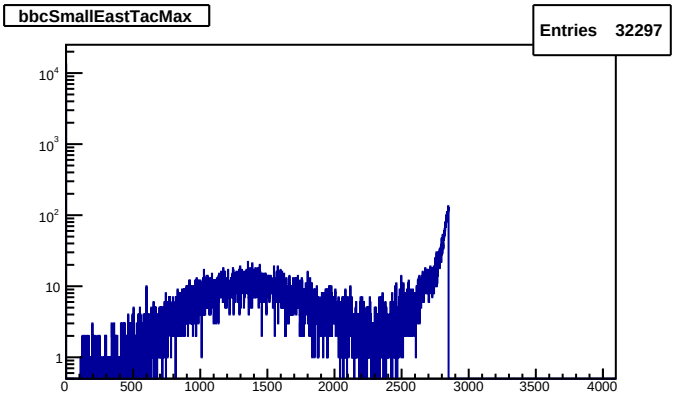

EQ3 QTB
Entries 2363159
TDC
QT Input Channel

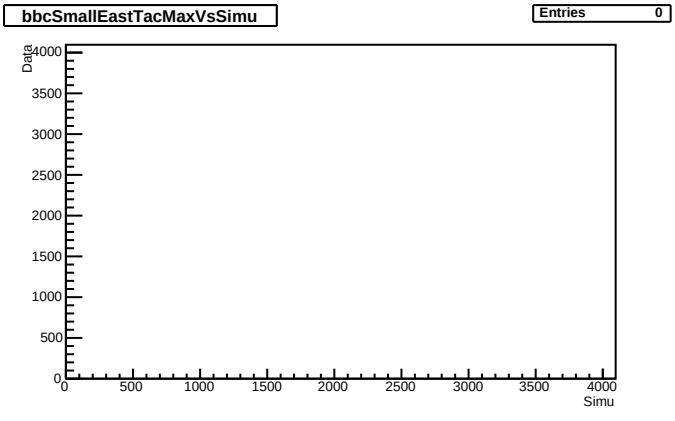

EQ3 QTC
Entries 3100512
ADC
QT Input Channel


EQ3 QTC
Entries 3100512
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 32297


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 32297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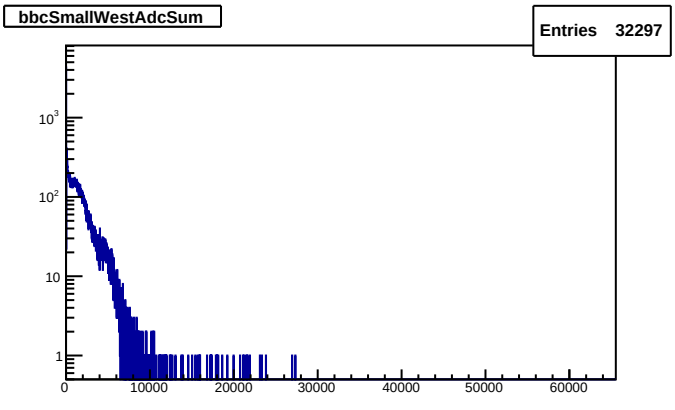
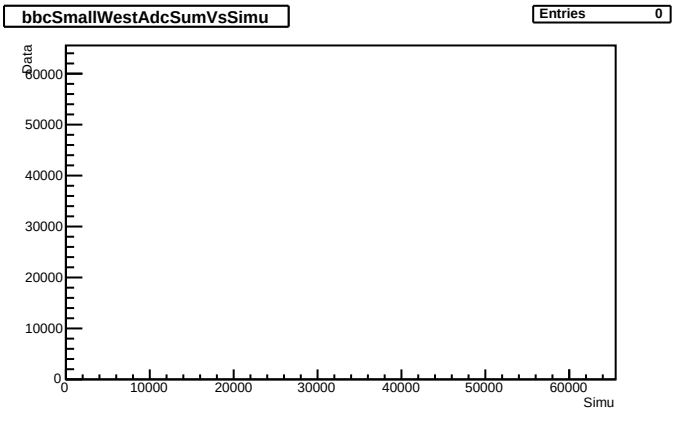
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 32297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Entries 0
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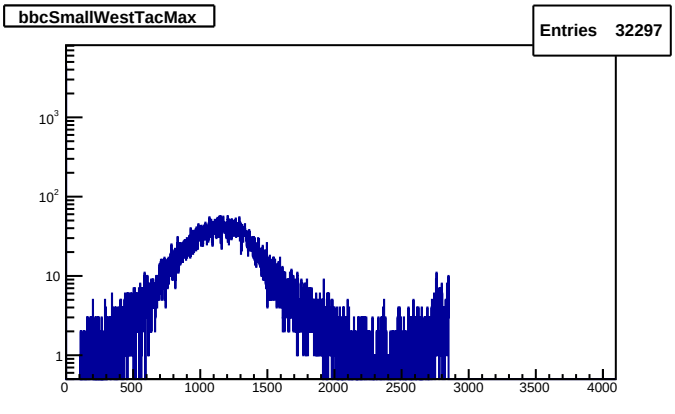
Simu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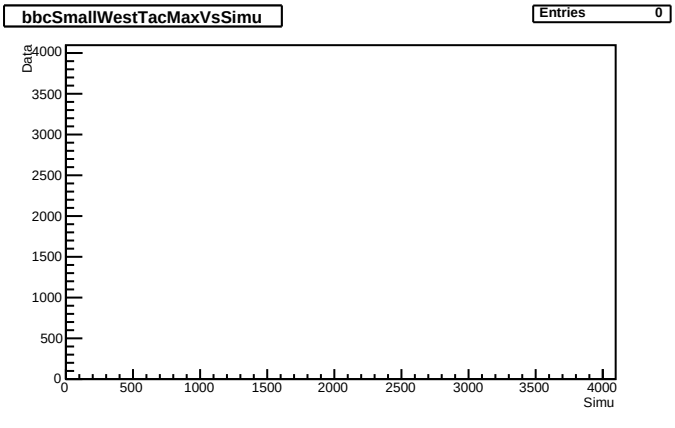
Entries 32297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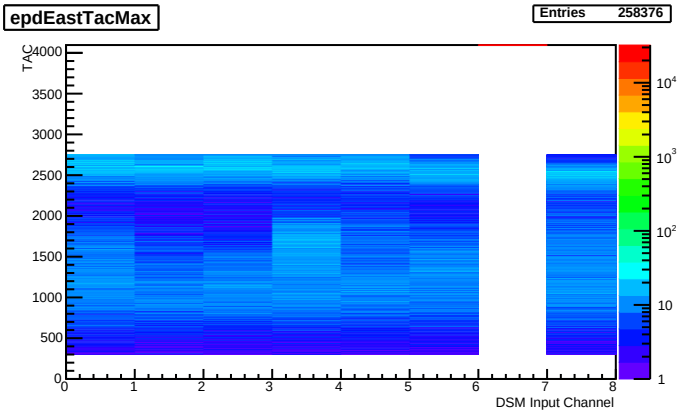
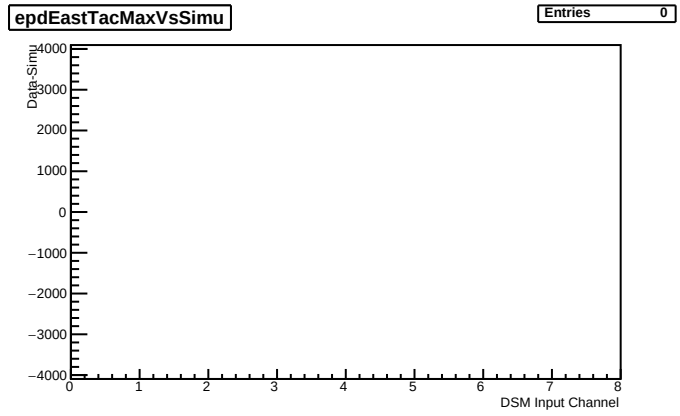
Entries 0
Data
Simu


epdEastTacMax
Entries 258376
TAC
DSM Input Channel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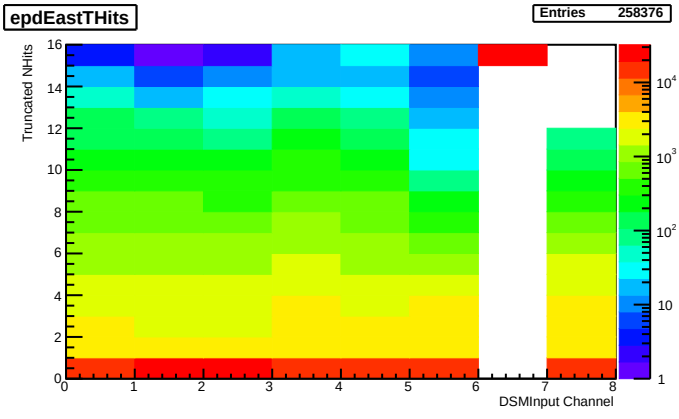
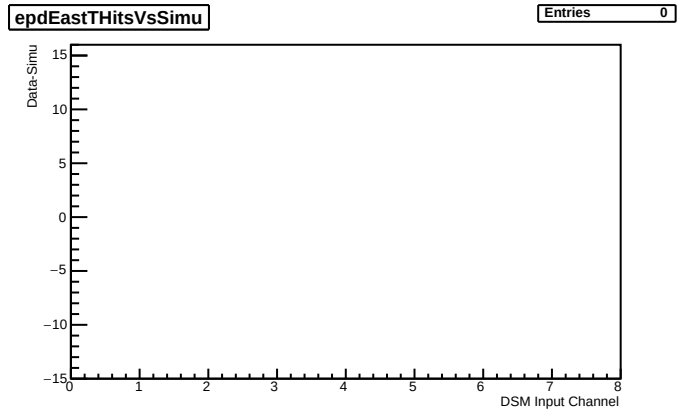
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 258376
Truncated NHits
DSMInput Channel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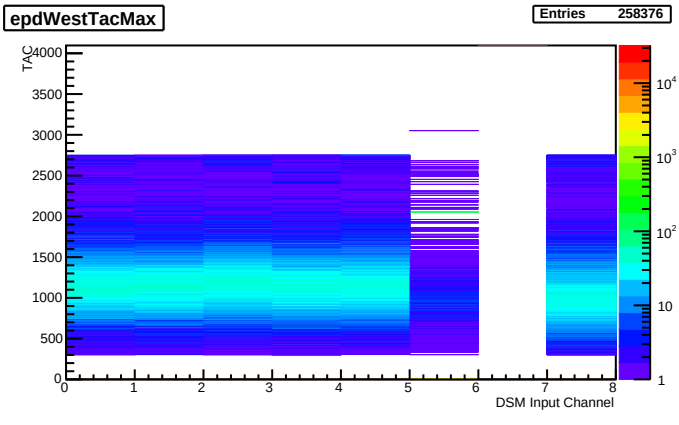
DSM Input Channel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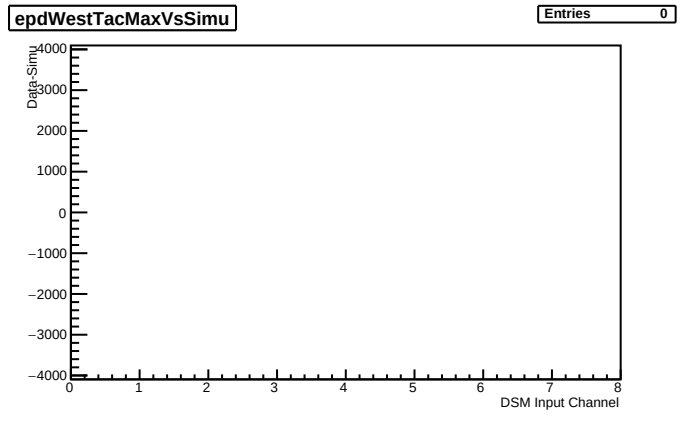
DSM Input Channel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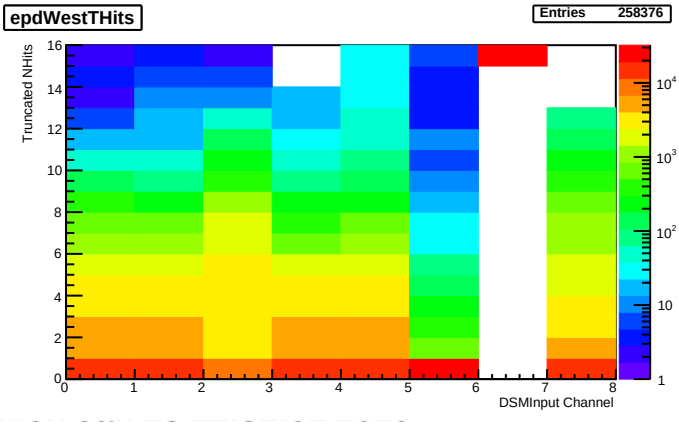
DSM Input Channel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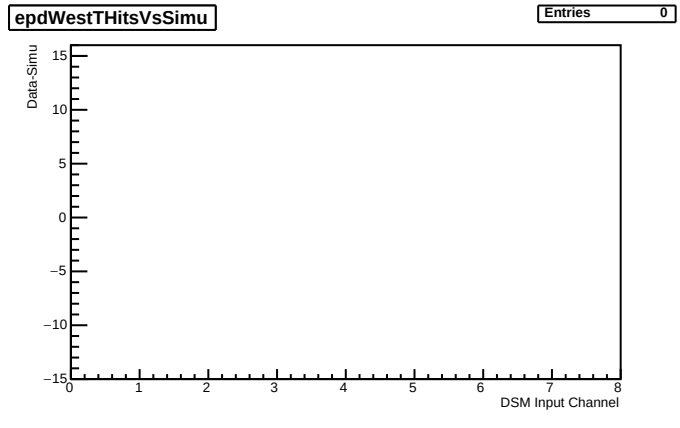
Entries 258376
Truncated NHits
DSMInput Channel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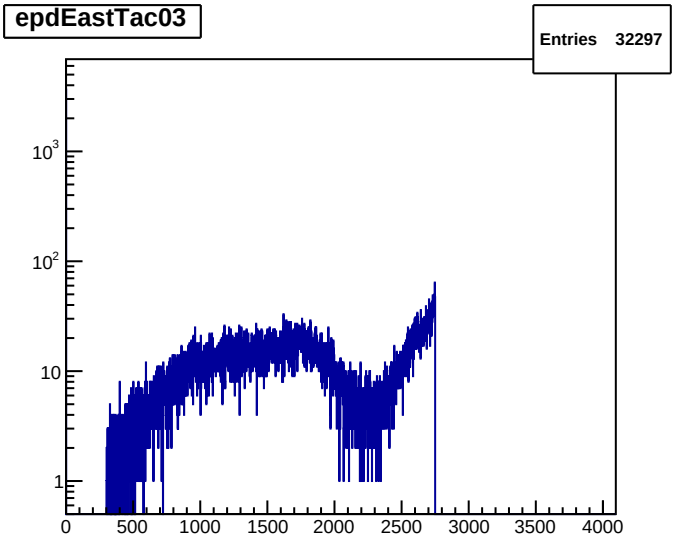
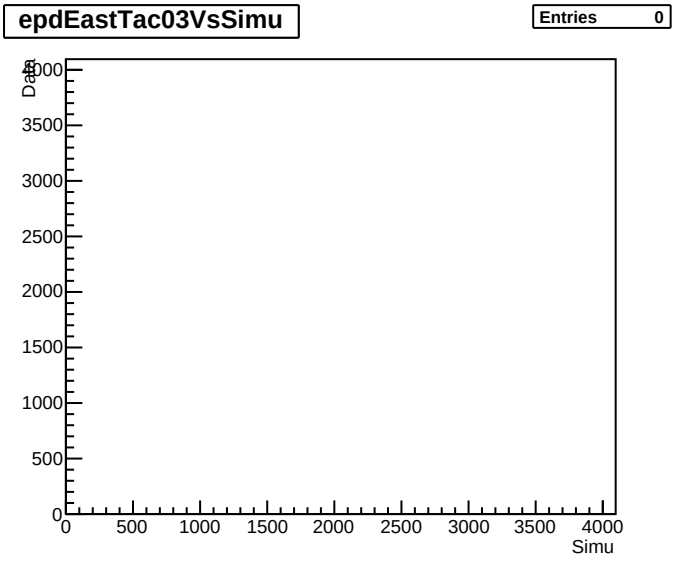
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 32297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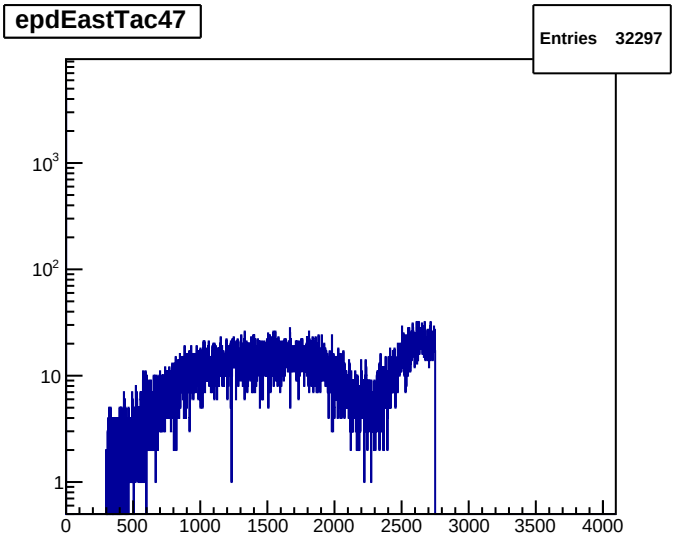
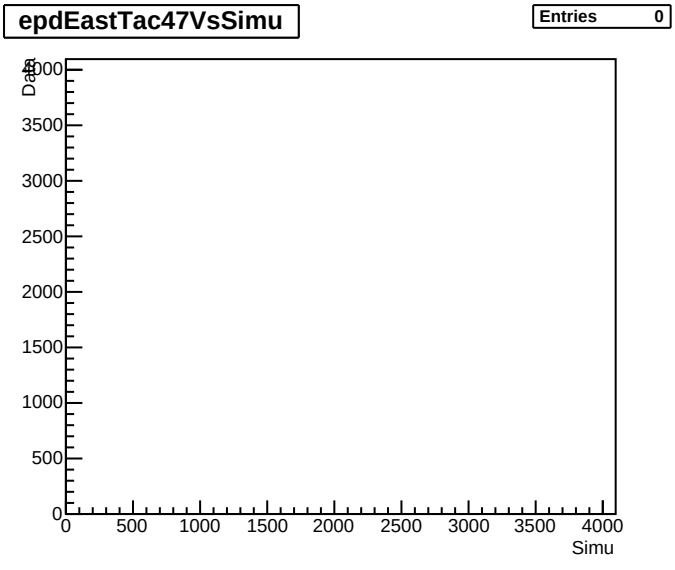
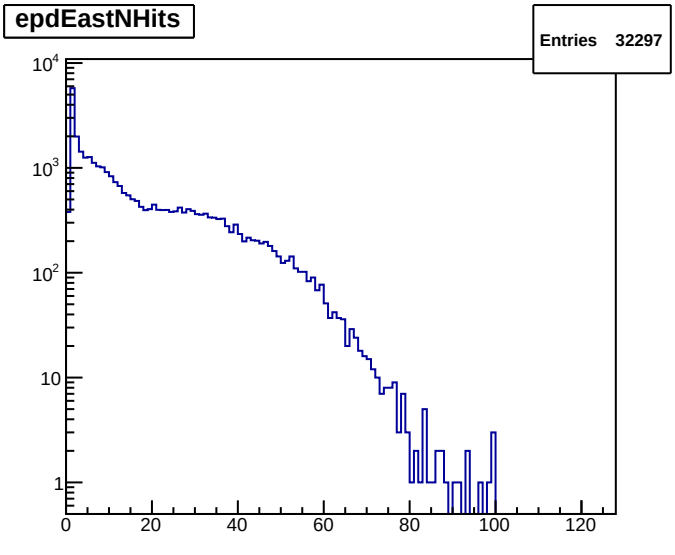
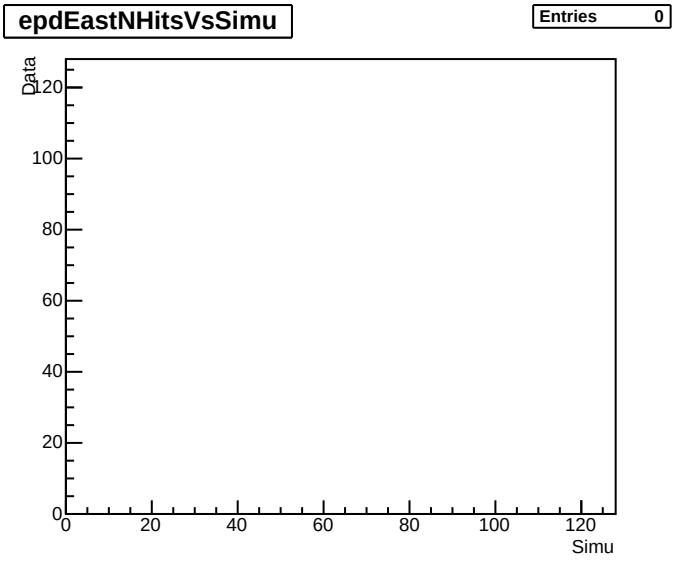
Entries 0
Data
Simu


epdEastTac47
Entries 32297


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 32297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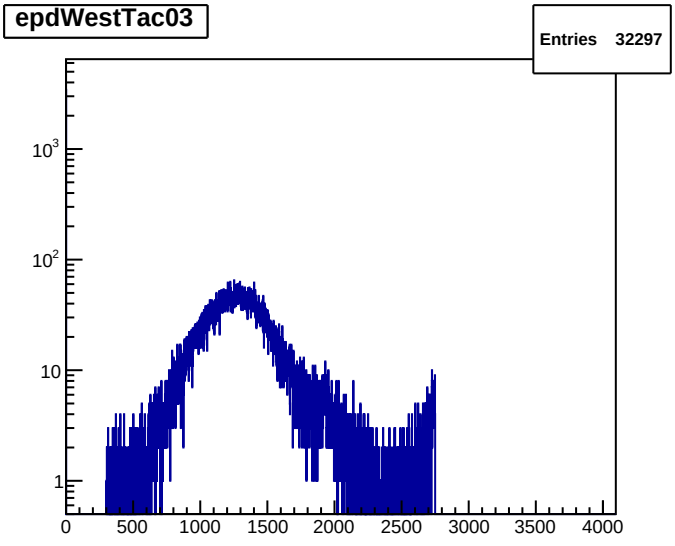
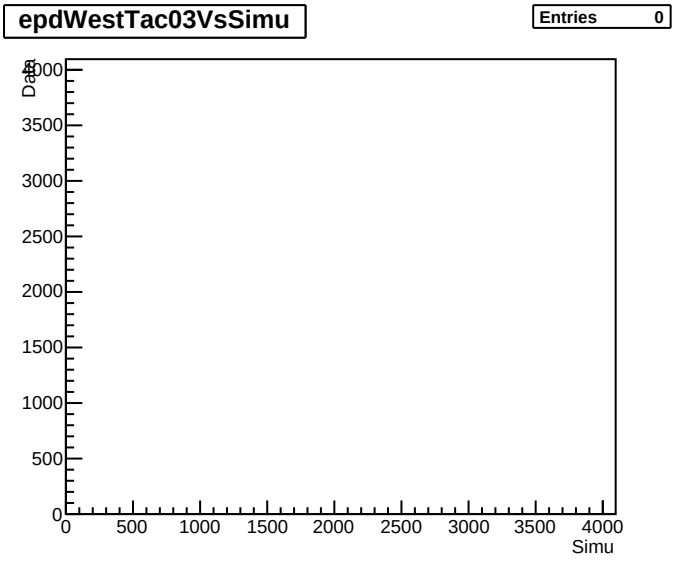
Entries 0
Data
Simu


epdWestTac03
Entries 32297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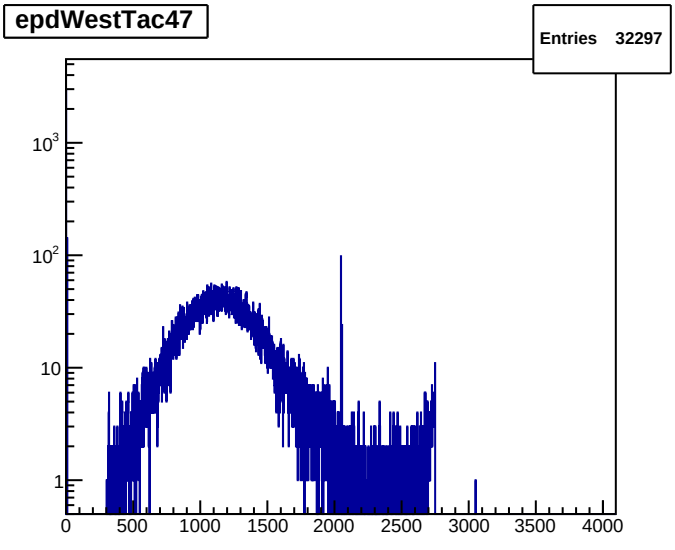
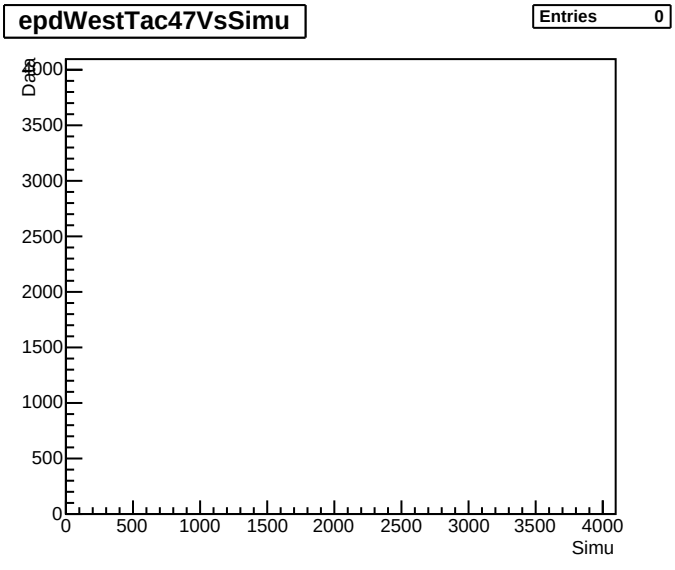
Entries 0
Data
Simu


epdWestTac47
Entries 32297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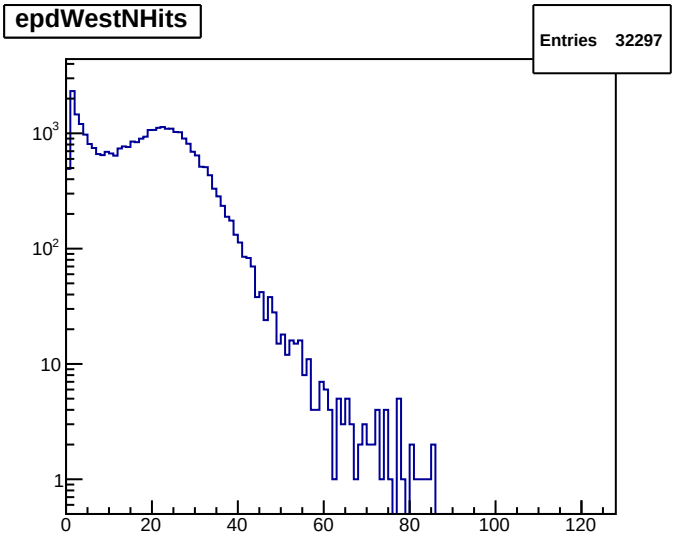
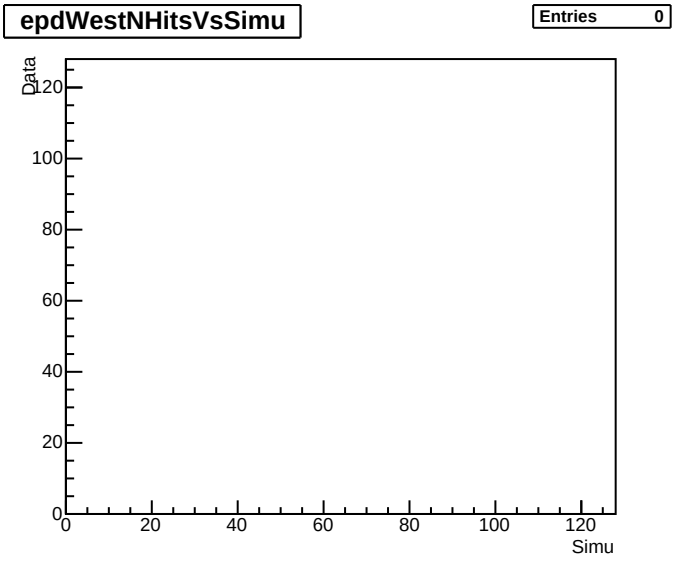
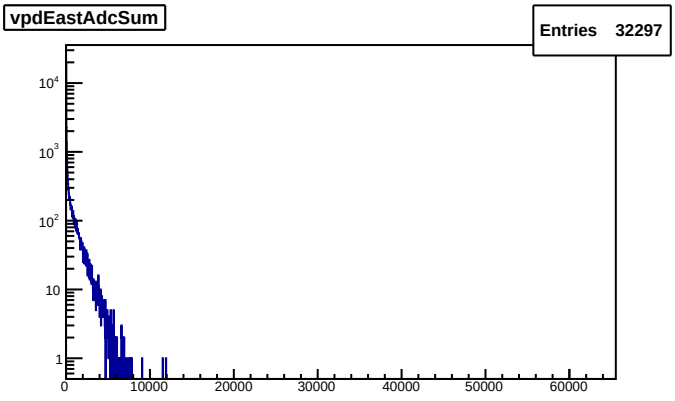
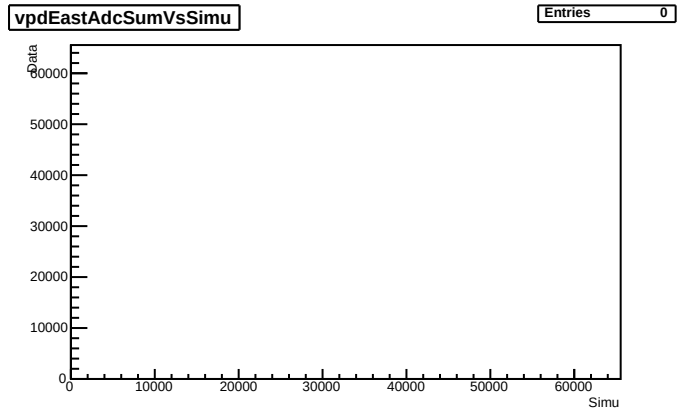
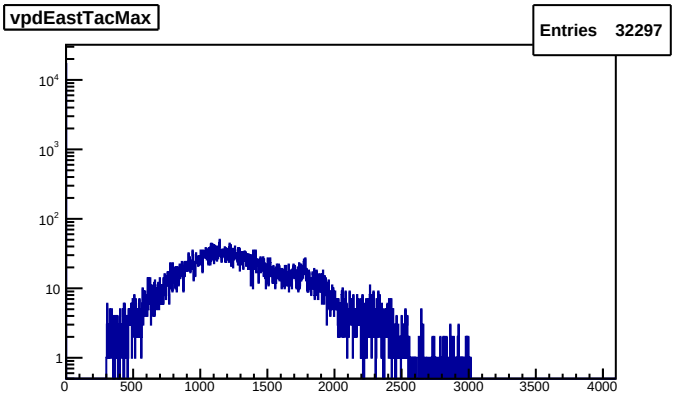
Entries 0
Data
Simu

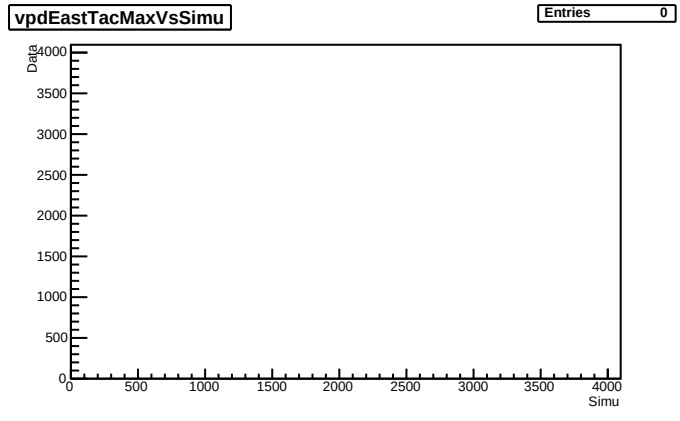

epdWestNHits
Entries 32297

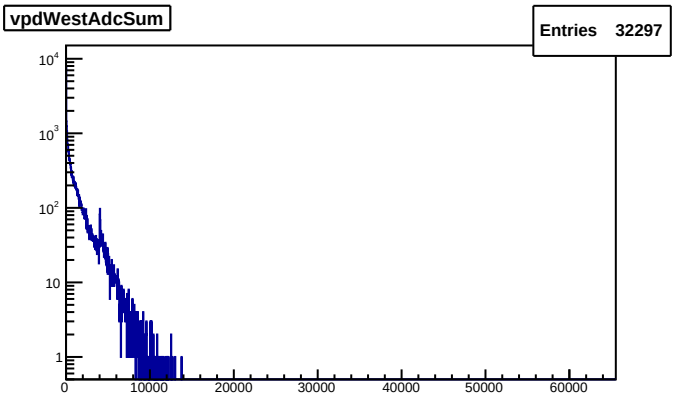

epdWestNHitsVsSimu
Entries 0
Data
Simu

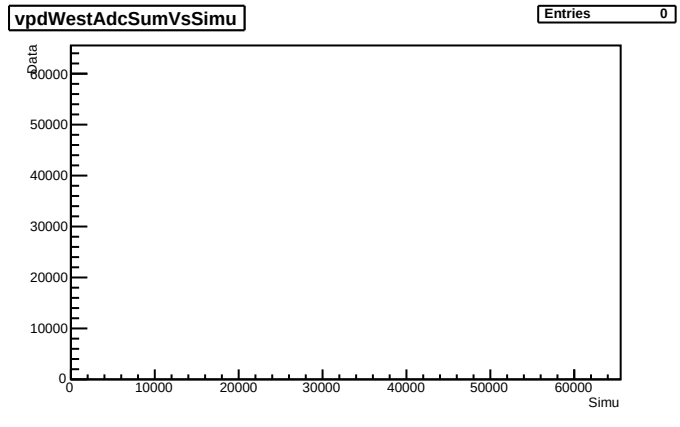

vpdEastAdcSum
Entries 32297


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 32297


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 32297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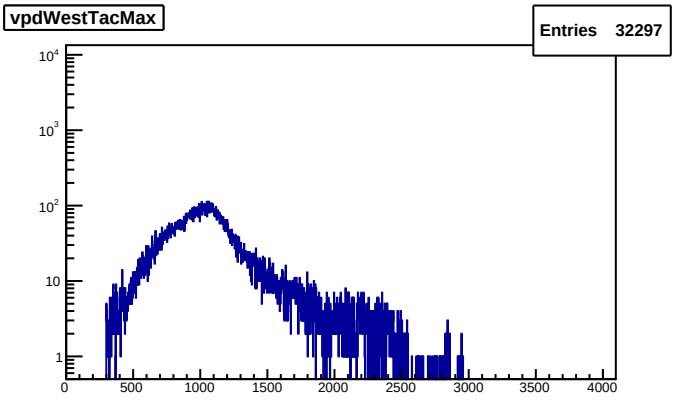
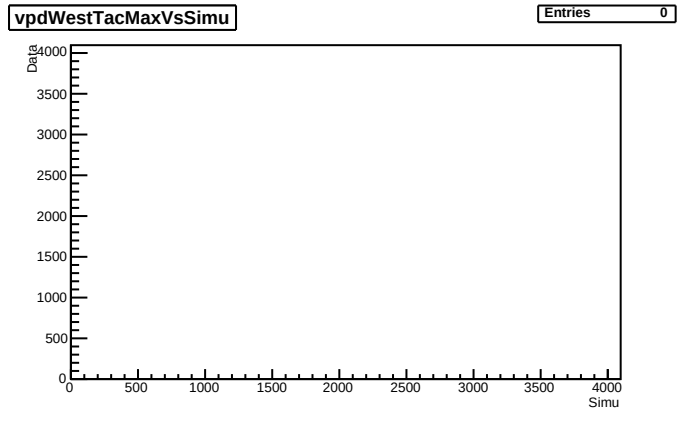
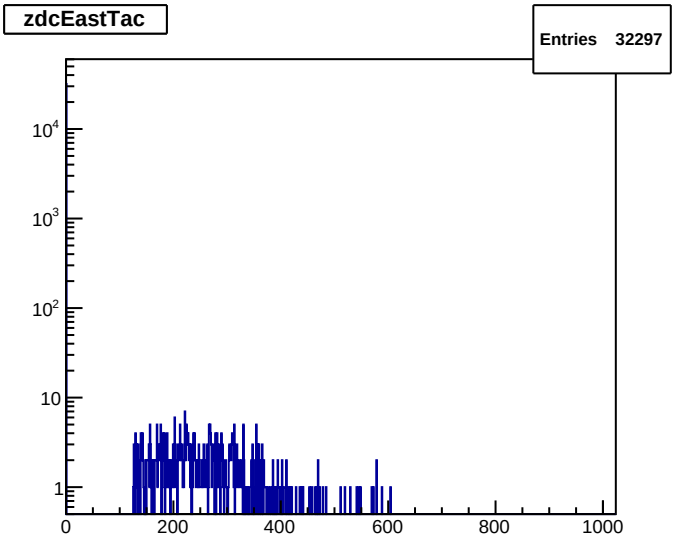
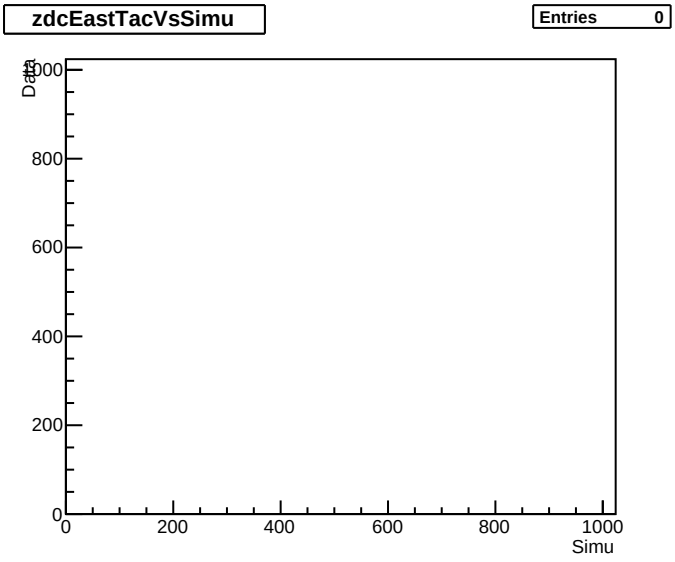
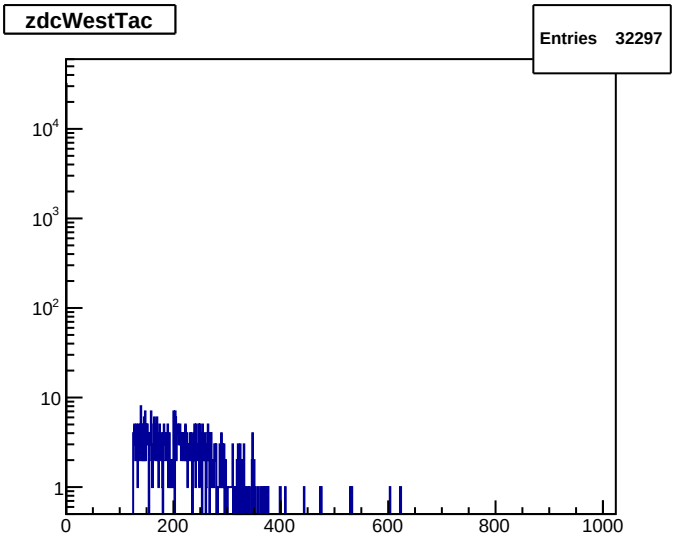
Entries 0
Data
Simu

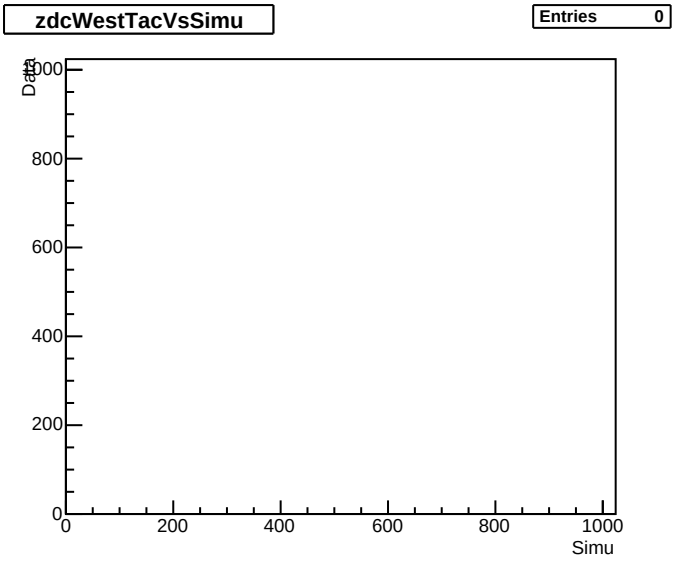

vpdWestTacMax
Entries 32297

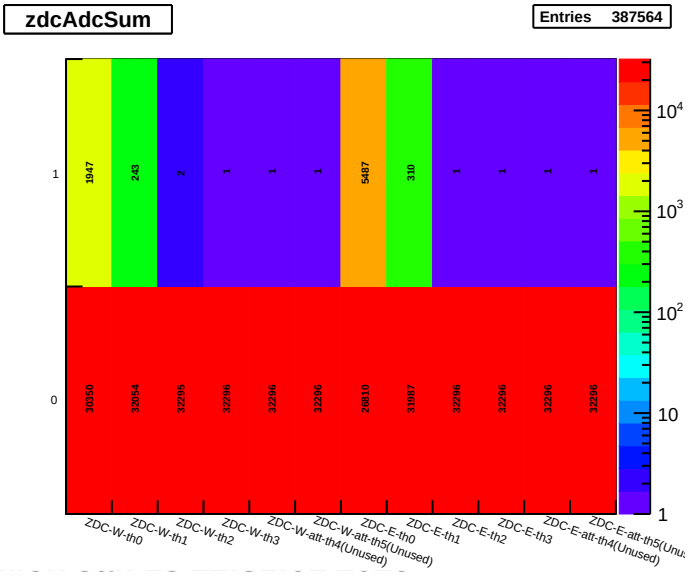

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

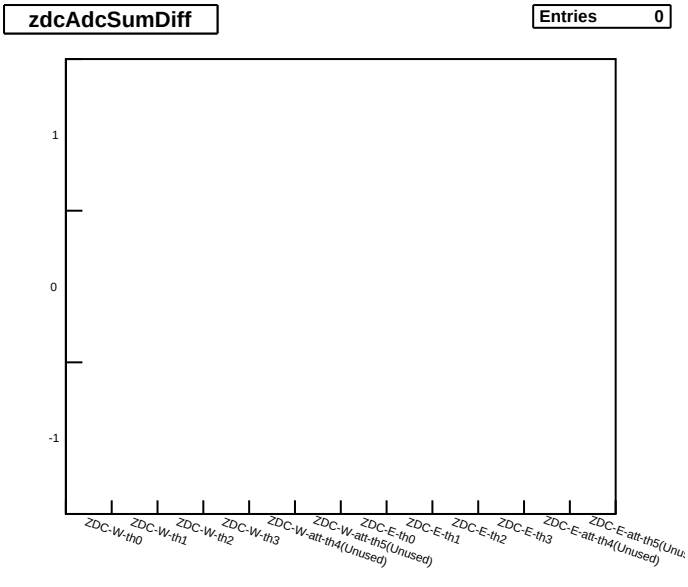

zdcEastTac
Entries 32297
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

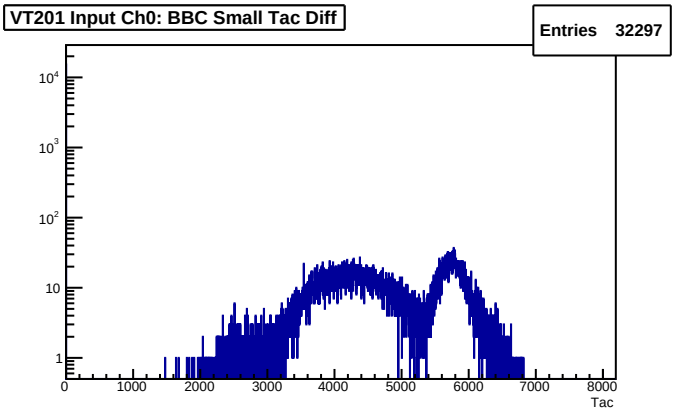

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

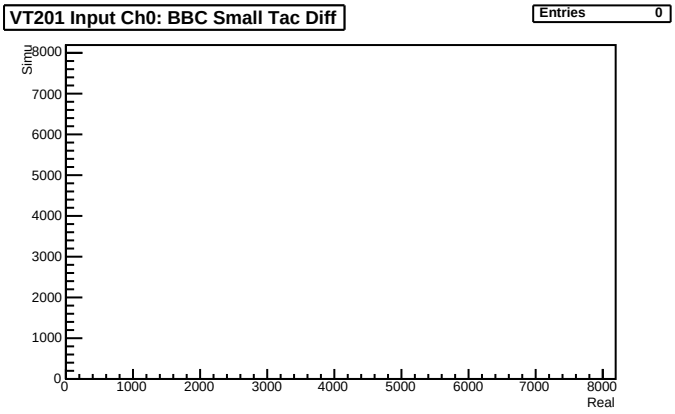

zdcWestTac
Entries 32297
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

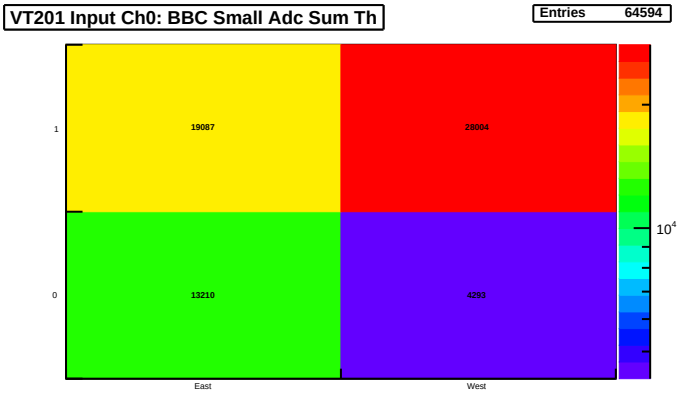

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

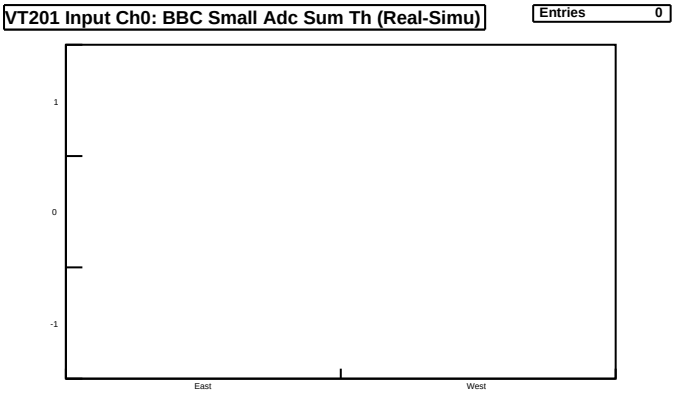

zdcAdcSum
Entries 387564
1
0
1947
243
2
1
1
1
5487
310
1
1
1
1
30350
32054
32295
32296
32296
32296
26810
31987
32296
32296
32296
32296
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

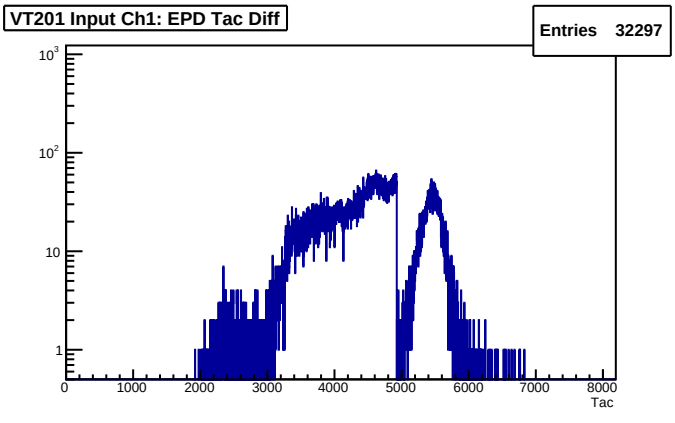

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

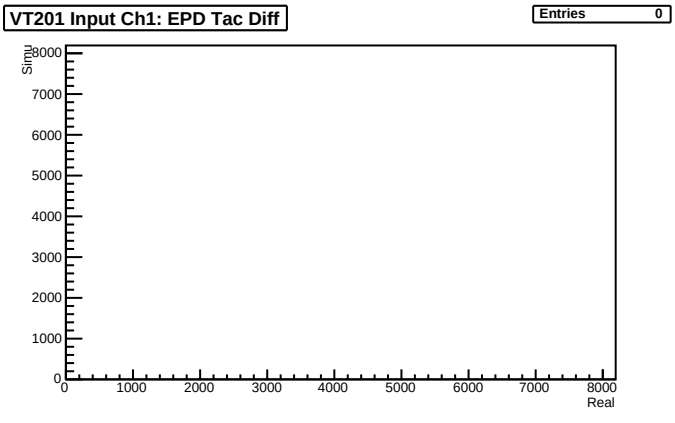

VT201 Input Ch0: BBC Small Tac Diff
Entries 32297
Tac

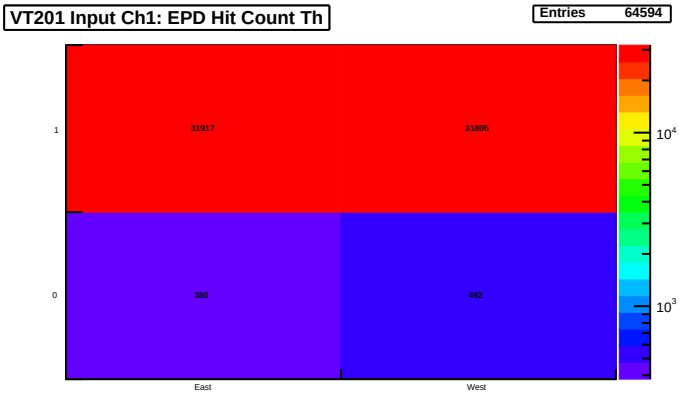

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

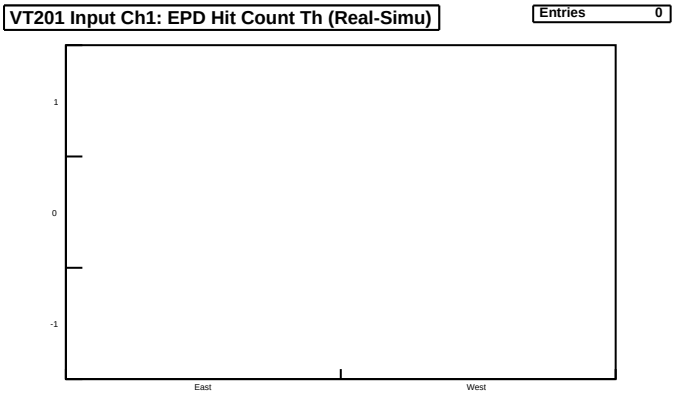

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 64594
19087
28004
13210
4293
East
West

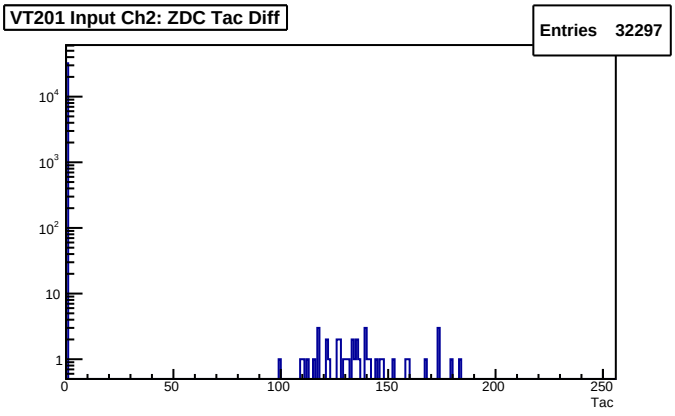

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

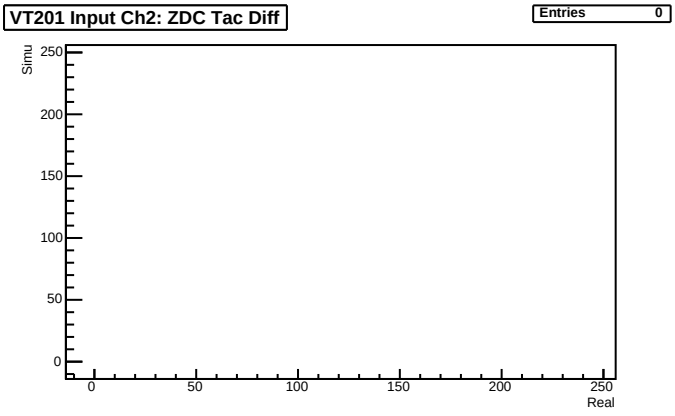

VT201 Input Ch1: EPD Tac Diff
Entries 32297
Tac

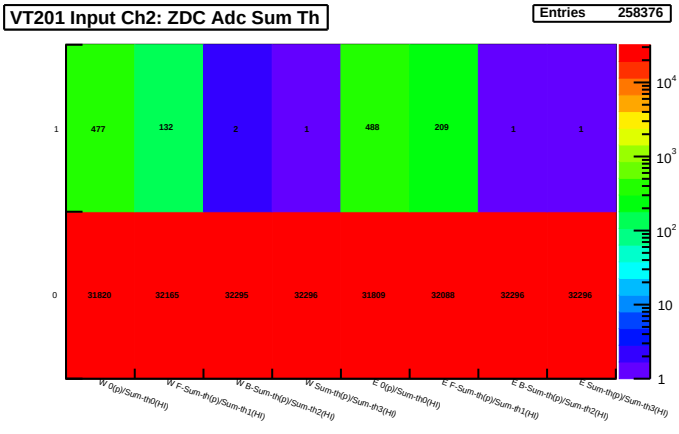

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

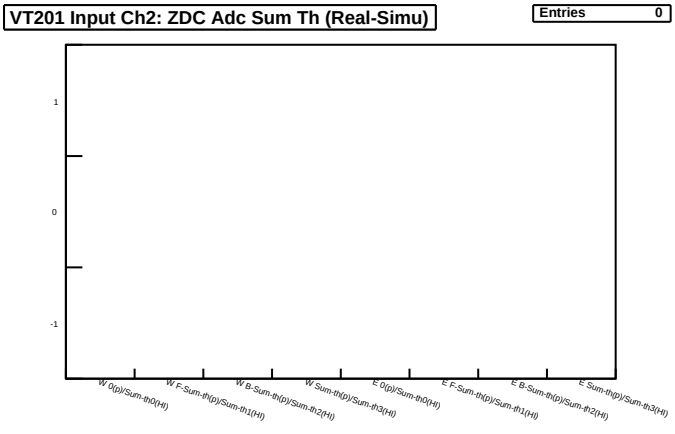

VT201 Input Ch1: EPD Hit Count Th
Entries 64594
31917
31805
380
492
East
West

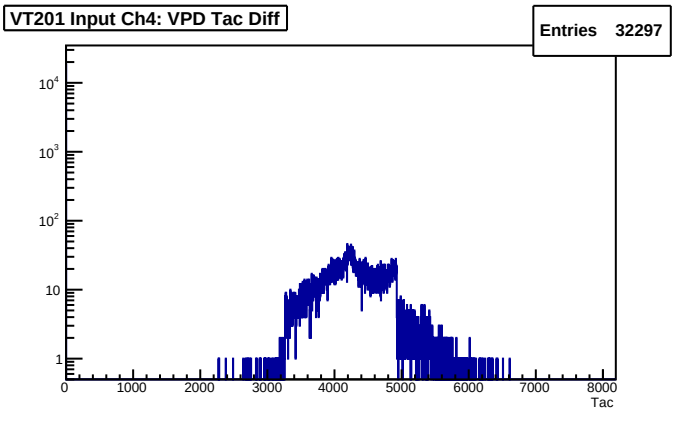

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

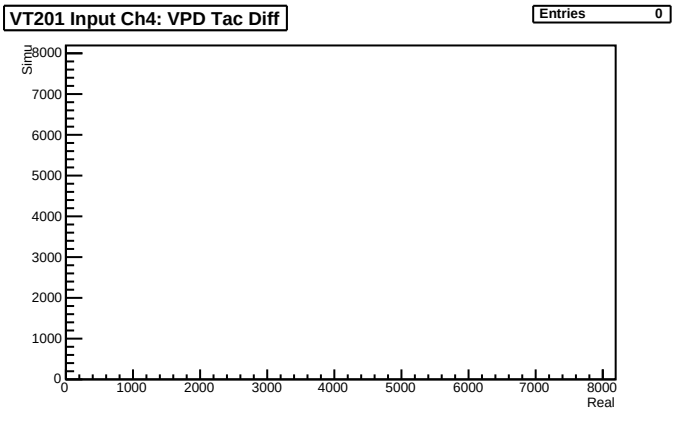

VT201 Input Ch2: ZDC Tac Diff
Entries 32297
Tac

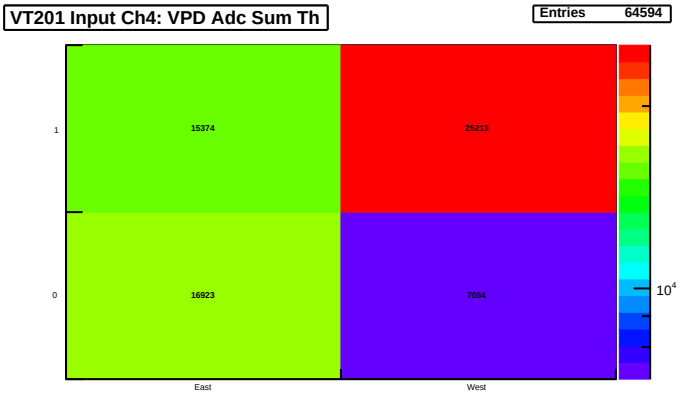

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

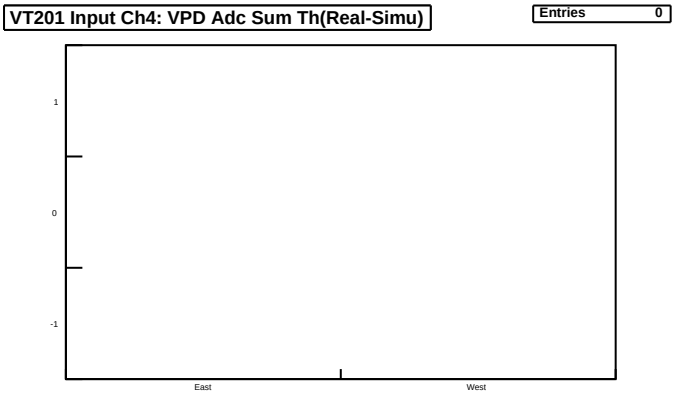

VT201 Input Ch2: ZDC Adc Sum Th
Entries 258376
477
132
2
1
488
209
1
1
31820
32165
32295
32296
31809
32088
32296
32296
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

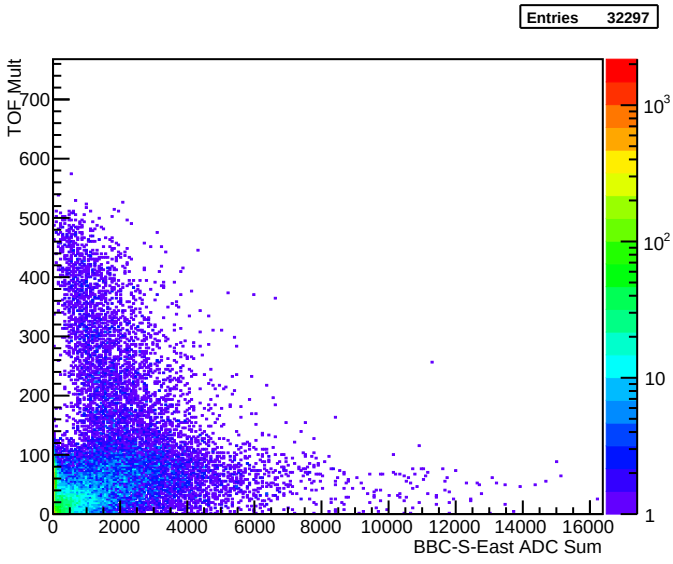

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

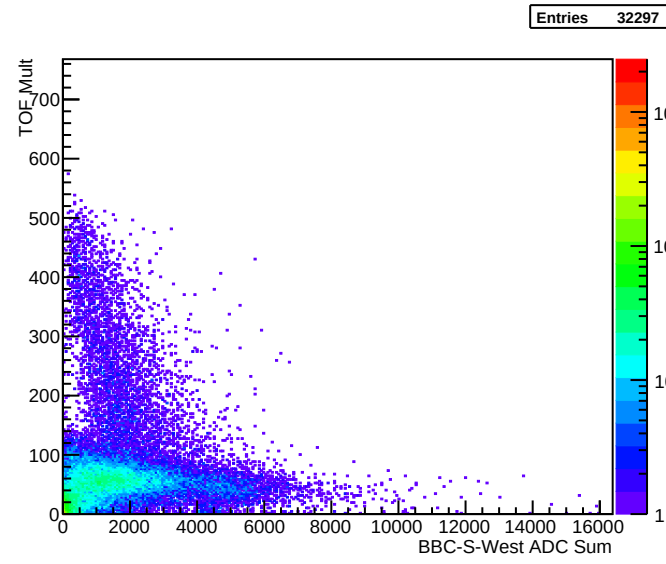

VT201 Input Ch4: VPD Tac Diff
Entries 32297
Tac

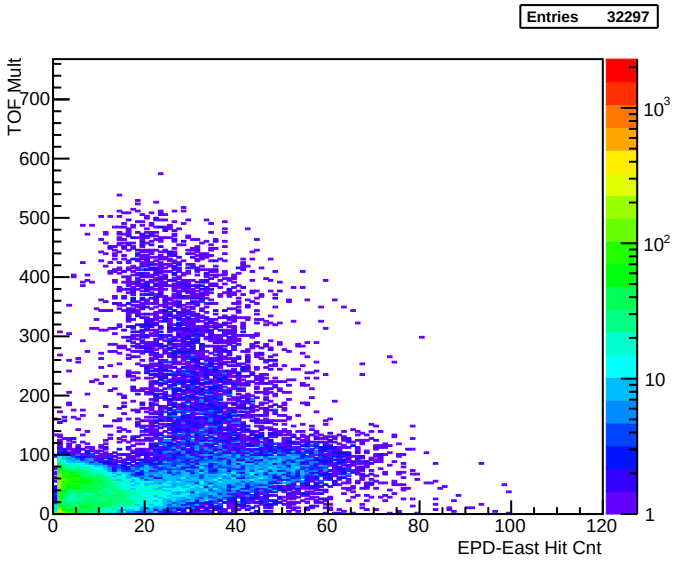

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

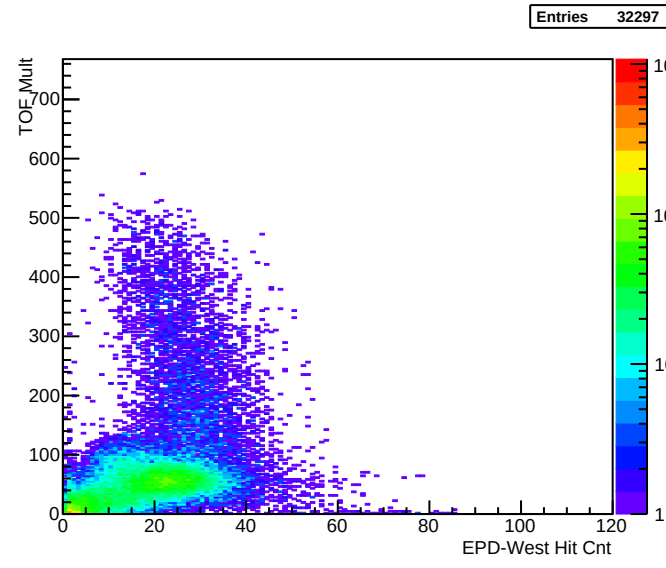

VT201 Input Ch4: VPD Adc Sum Th
Entries 64594
15374
25213
16923
7084
East
West

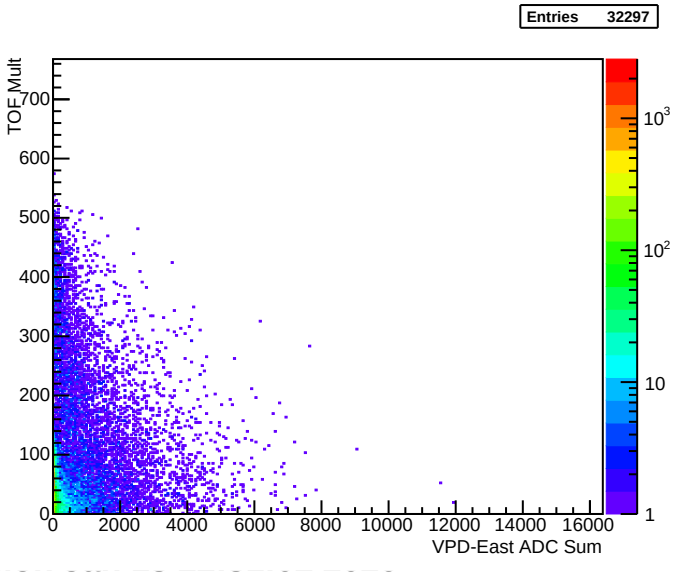

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

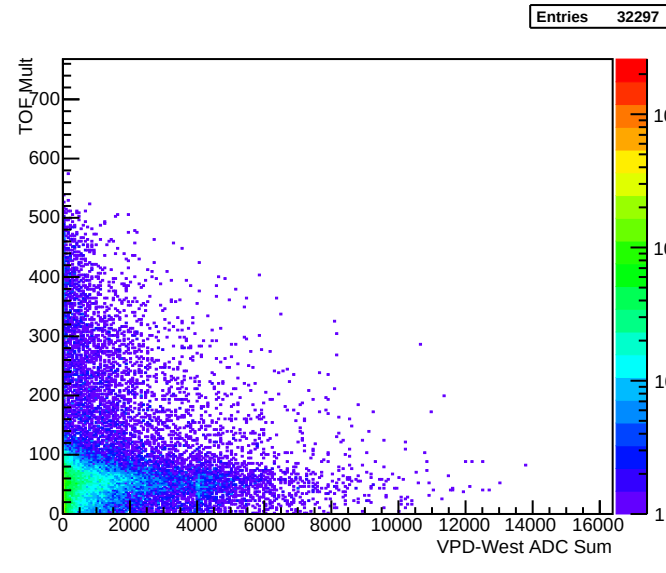

Entries 32297
TOF_Mult
BBC-S-East ADC Sum

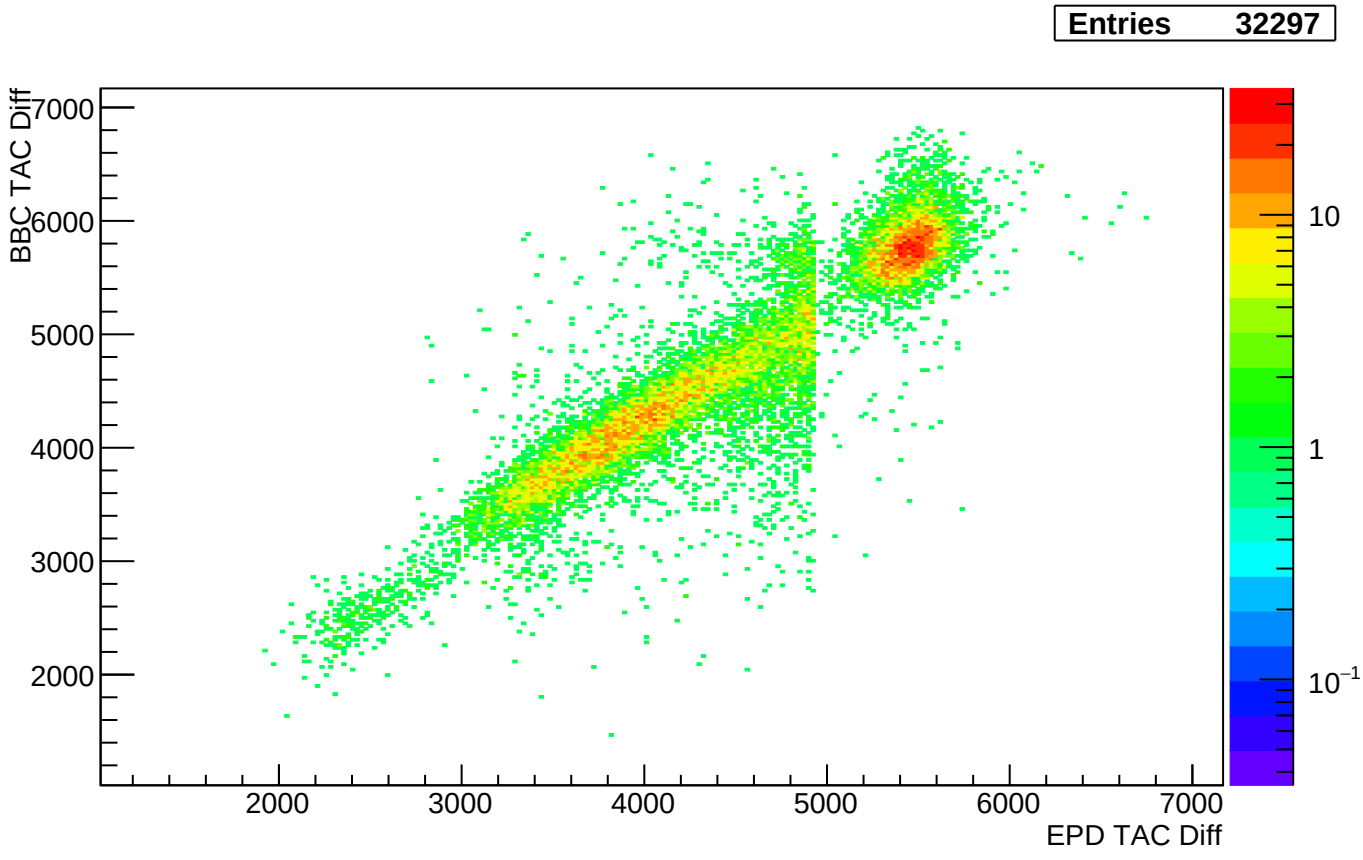

Entries 32297
TOF_Mult
BBC-S-West ADC Sum

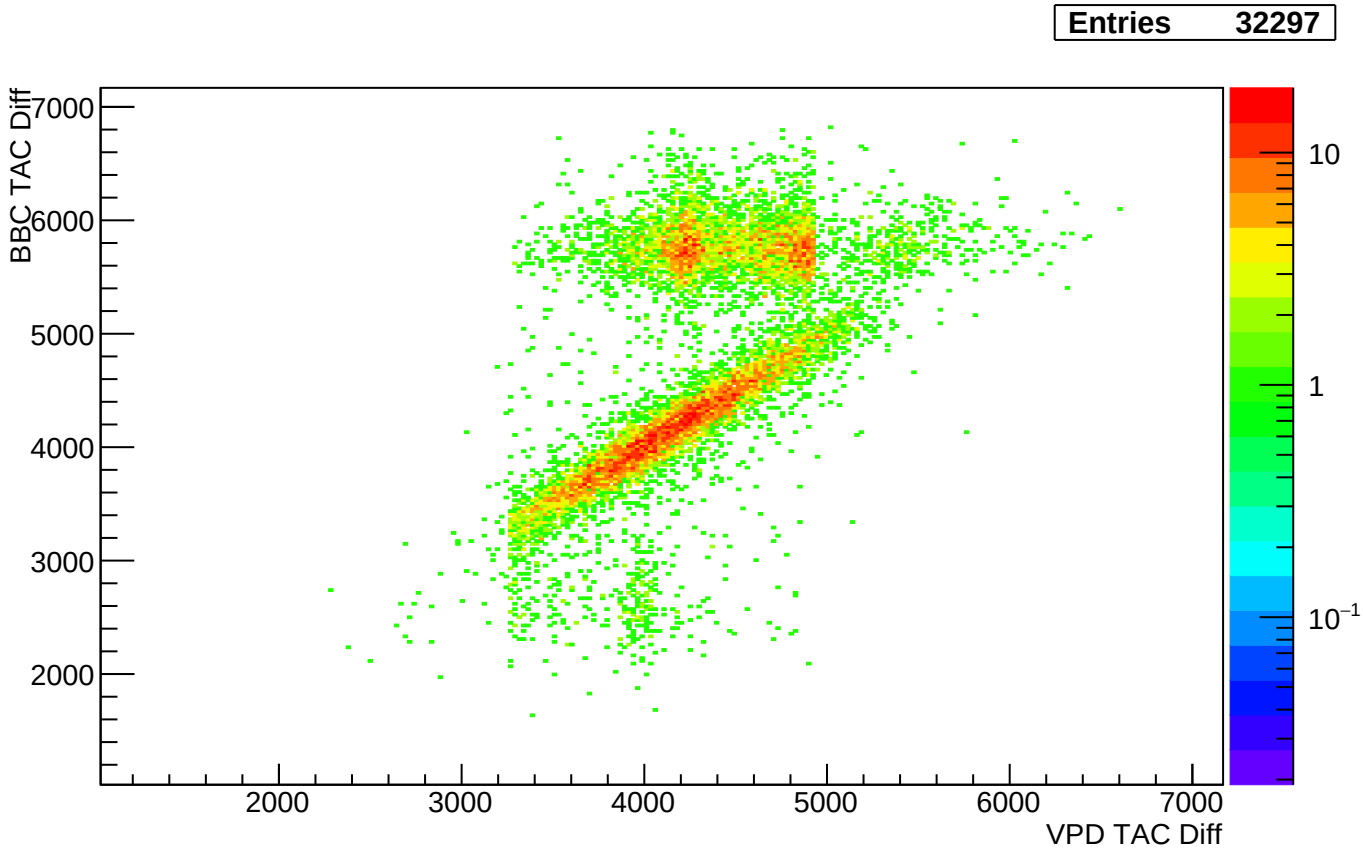

Entries 32297
TOF_Mult
EPD-East Hit Cnt

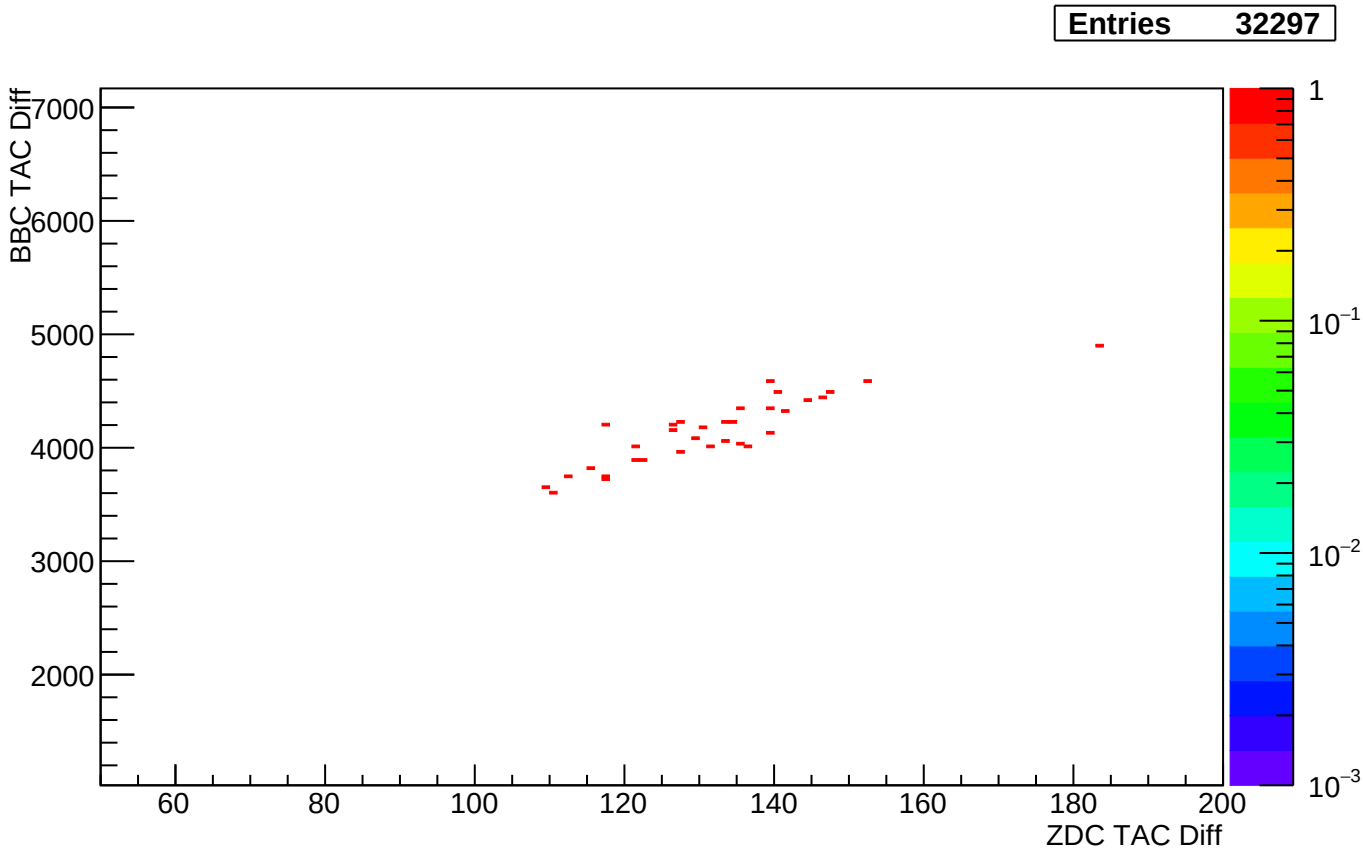

Entries 32297
TOF_Mult
EPD-West Hit Cnt

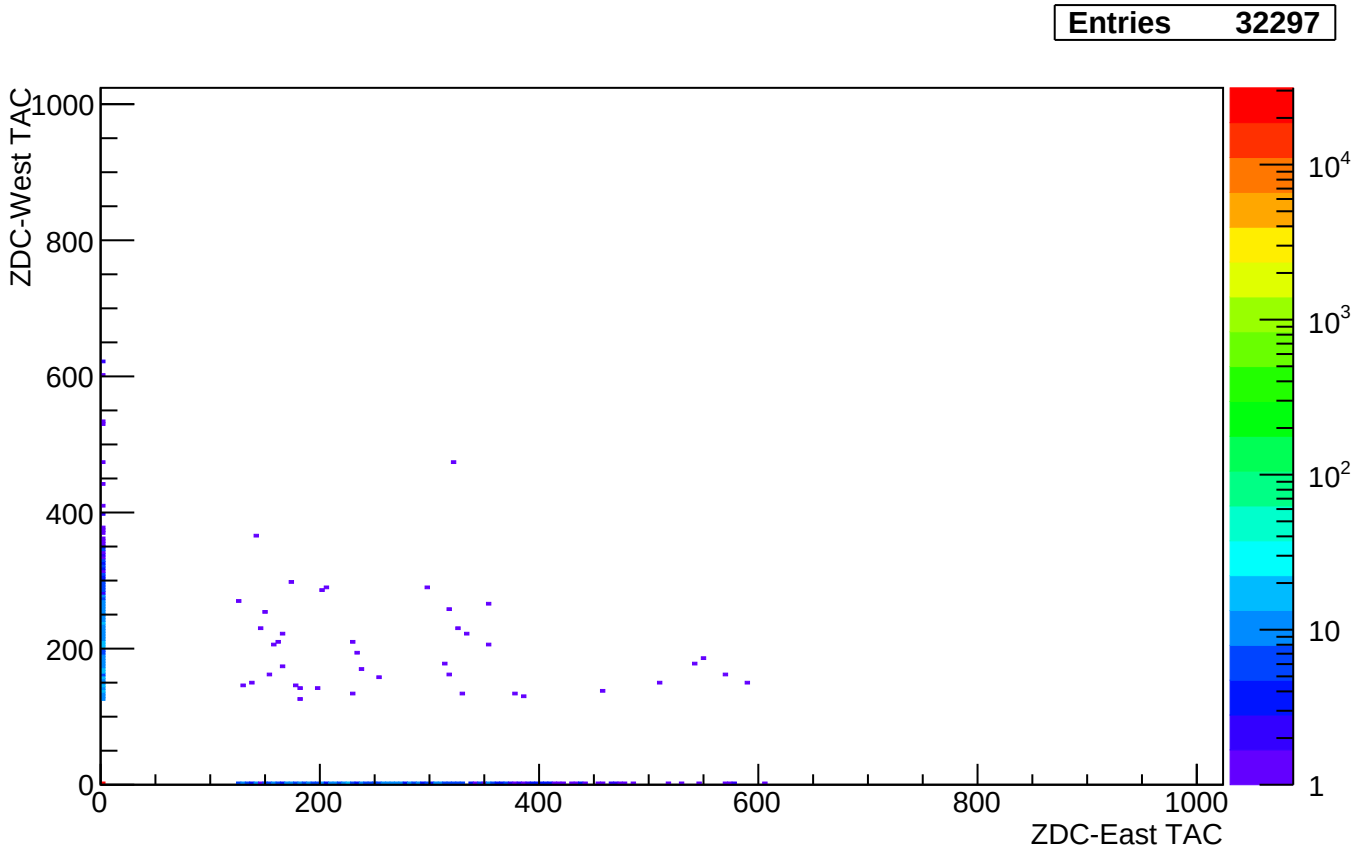

Entries 32297
TOF_Mult
VPD-East ADC Sum

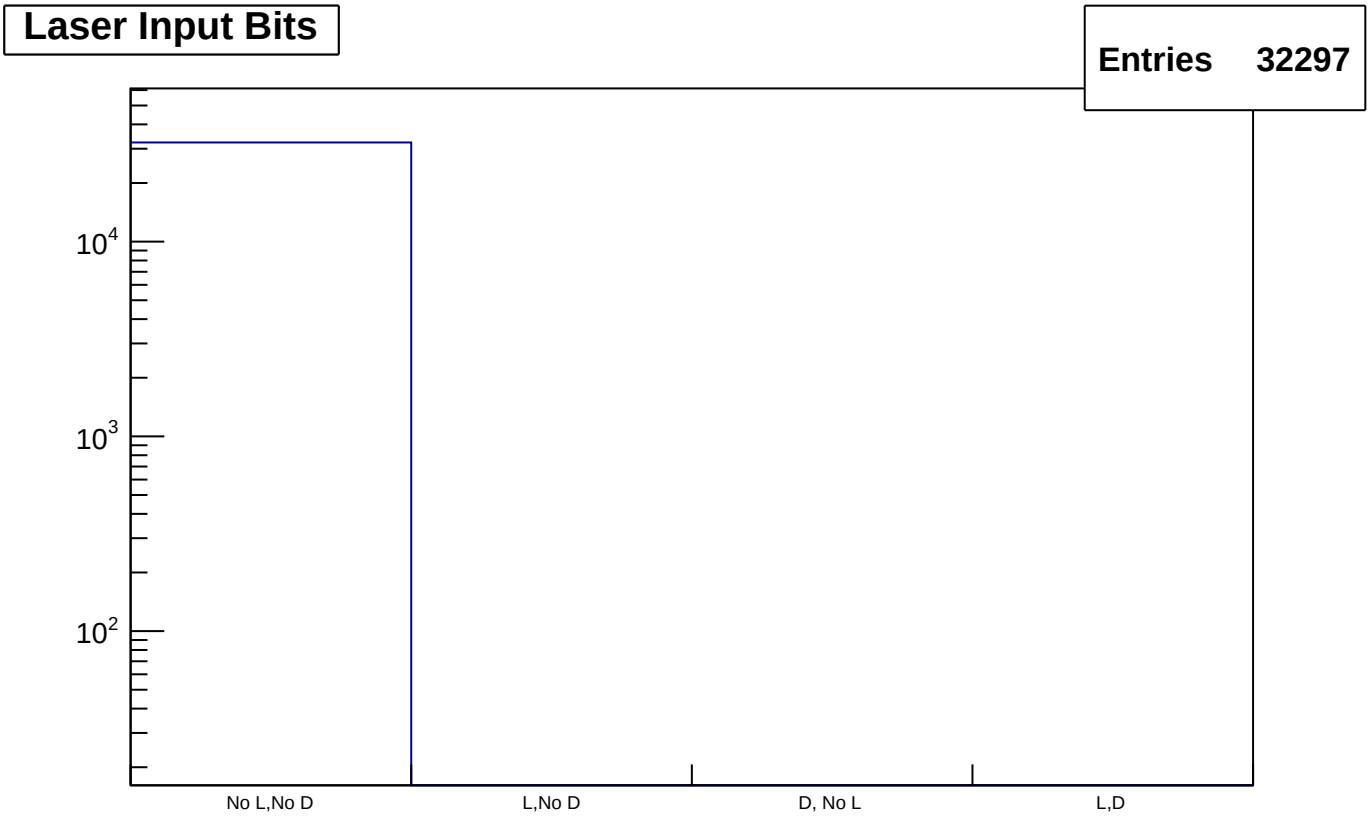

Entries 32297
TOF_Mult
VPD-West ADC Sum

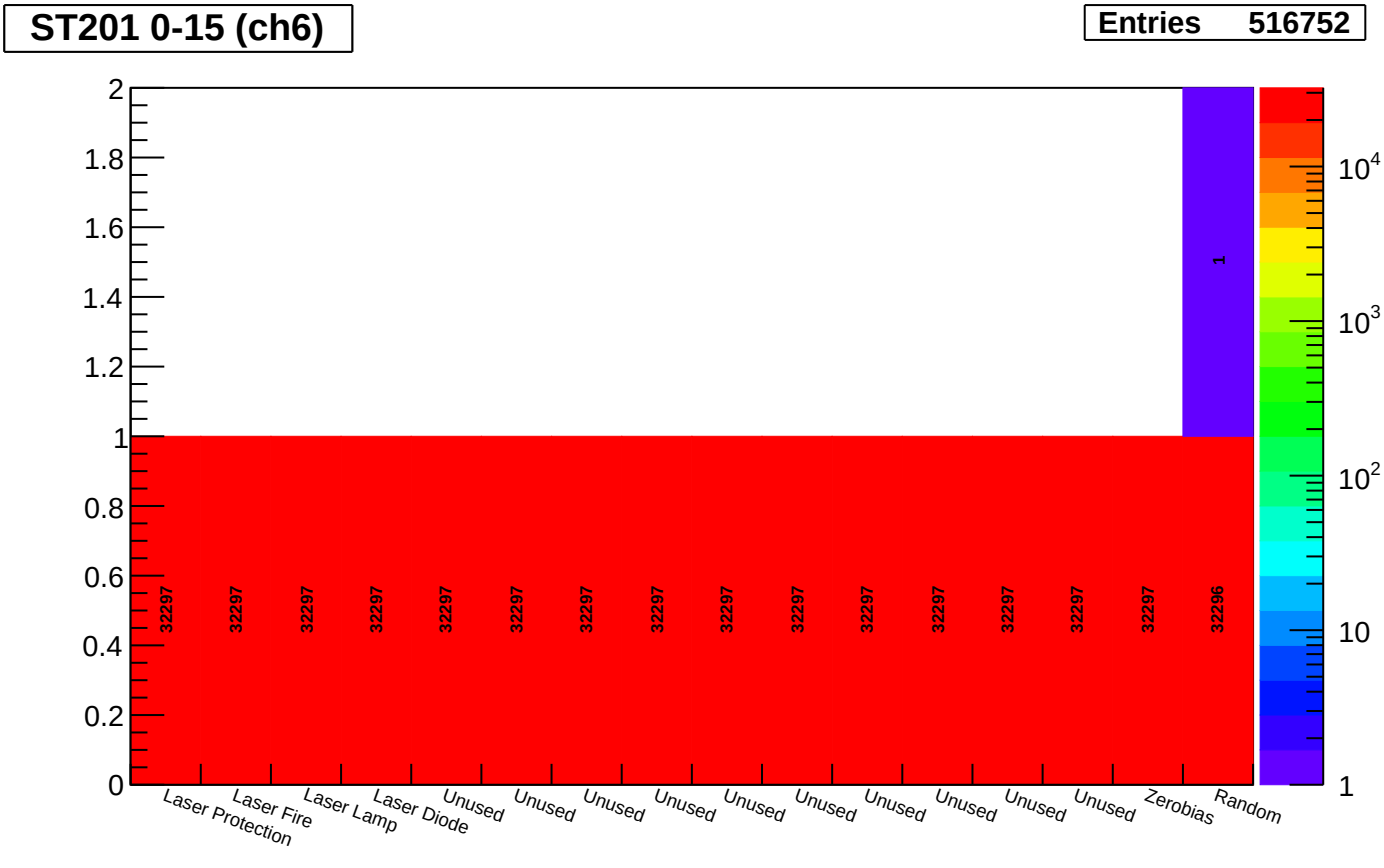

Entries 32297
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10
1
10^{-1}

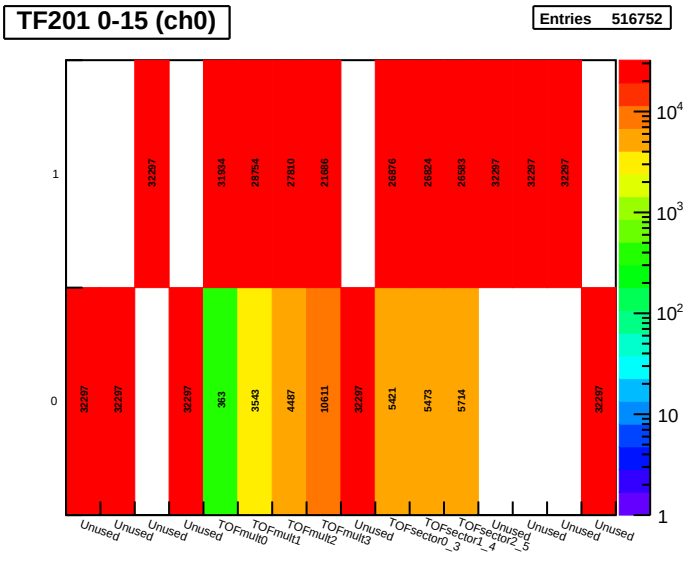

Entries 32297
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

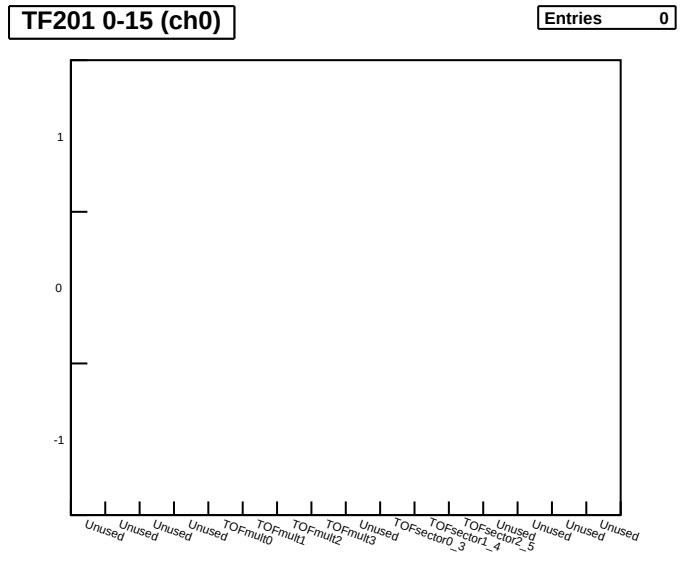

Entries 32297
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

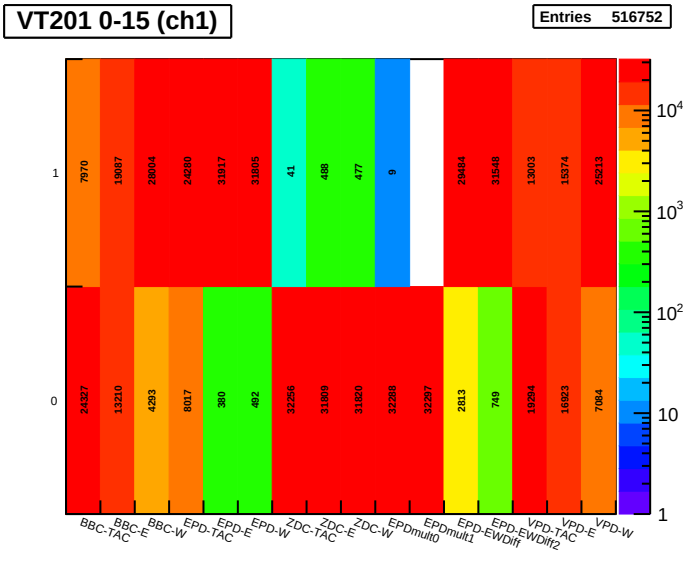

Entries 32297
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

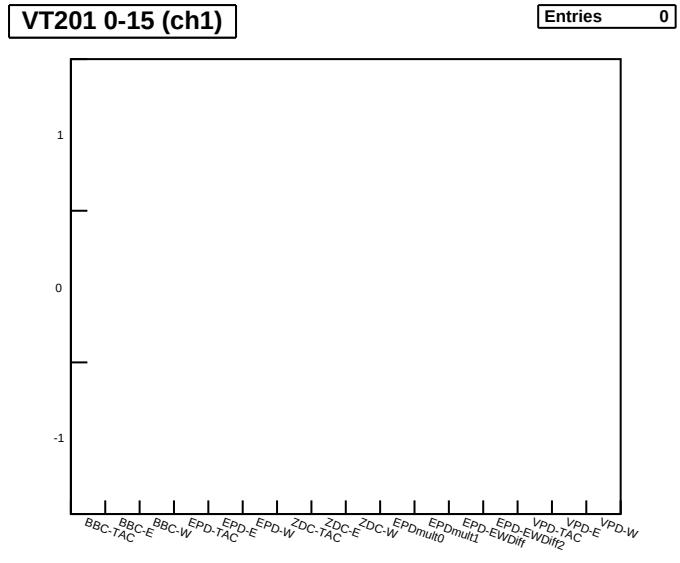

Laser Input Bits
Entries 32297
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

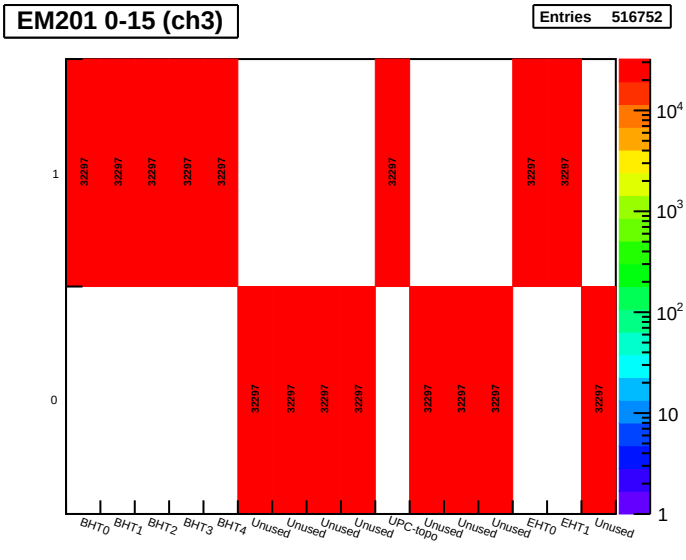

ST201 0-15 (ch6)
Entries 516752
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
32297
32297
32297
32297
32297
32297
32297
32297
32297
32297
32297
32297
32297
32297
32297
32296
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

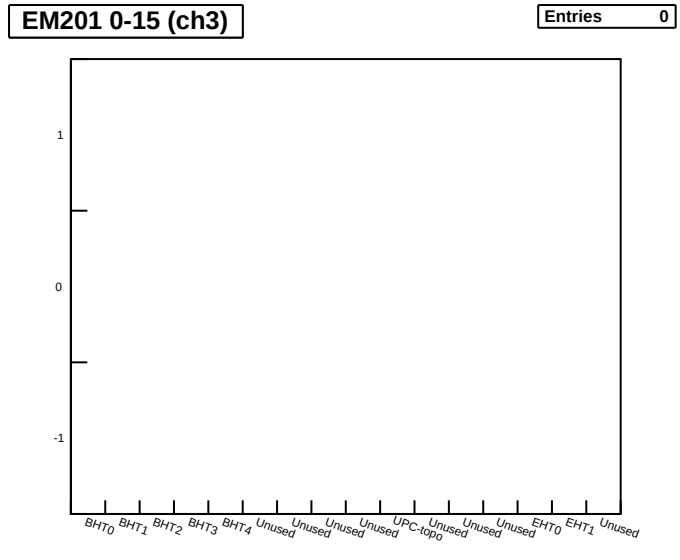

TF201 0-15 (ch0)
Entries 516752
1
0
32297 31934 28754 27810 21686 26876 26824 26583 32297 32297 32297
32297 32297 32297 363 3543 4487 10611 32297 5421 5473 5714 32297
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 516752
1
0
7970 19087 28004 24280 31917 31805 41 488 477 9 29484 31548 13003 15374 25213
24327 13210 4293 8017 380 492 32256 31809 31820 32288 32297 2813 749 19294 16923 7084
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
10^4
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 516752
1
0
32297 32297 32297 32297 32297 32297 32297 32297
32297 32297 32297 32297 32297 32297 32297 32297
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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