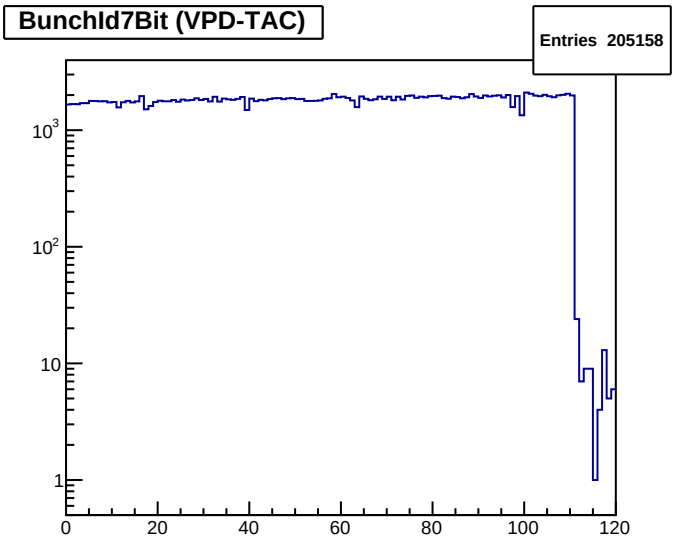
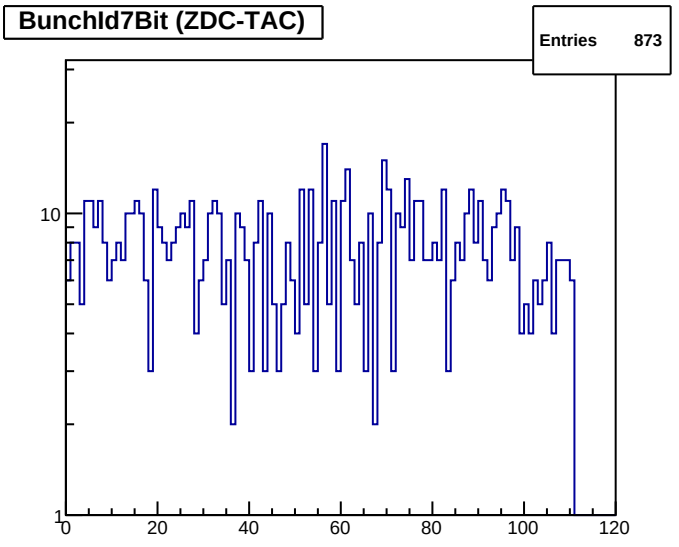
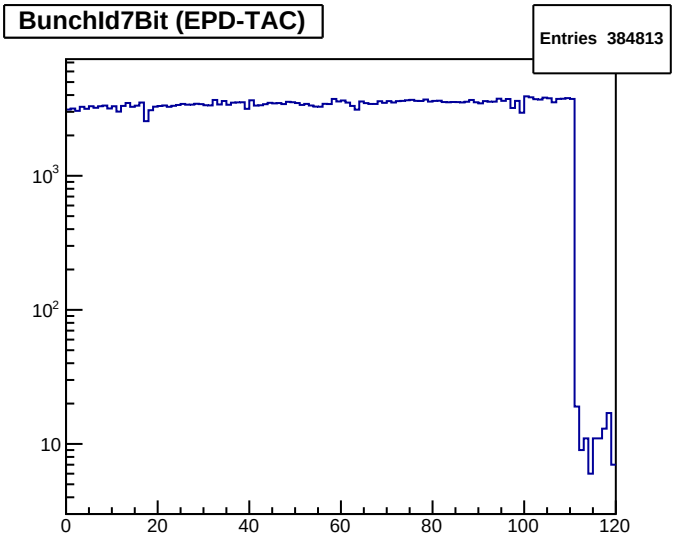
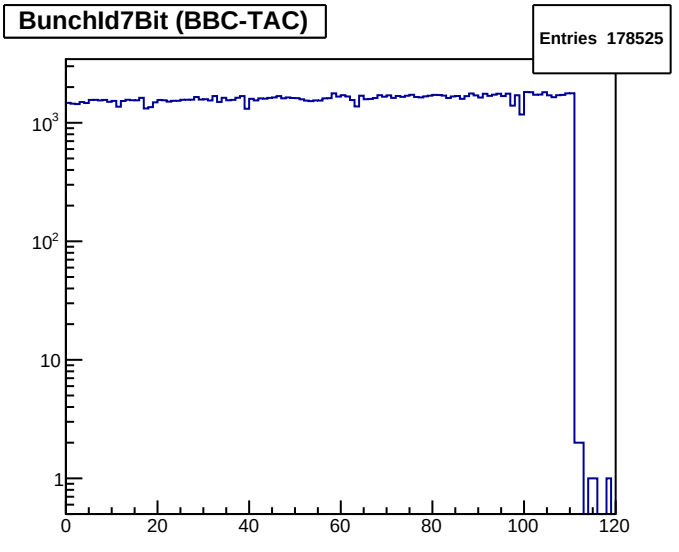
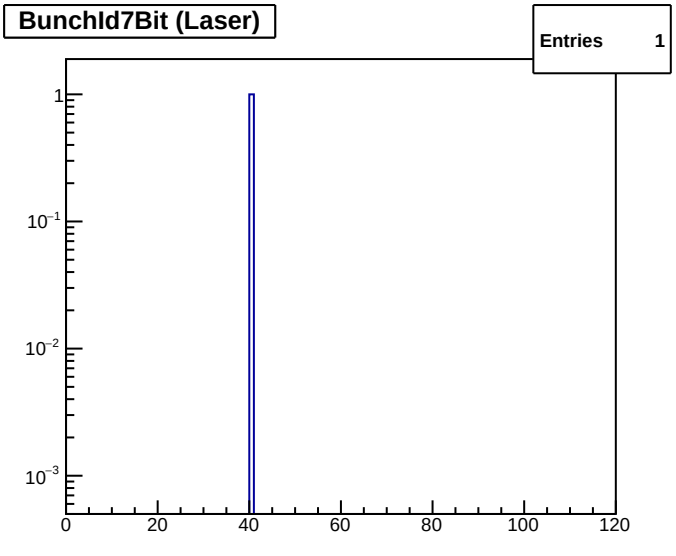
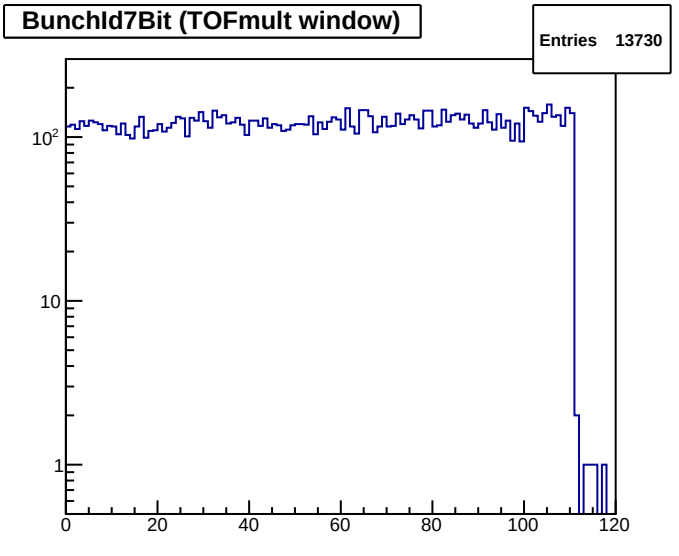

BunchId7Bit (VPD-TAC)
Entries 205158

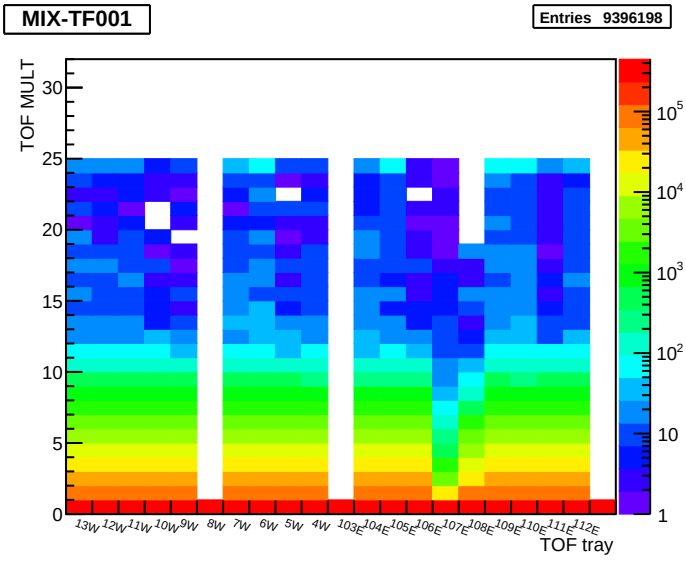

BunchId7Bit (ZDC-TAC)
Entries 873

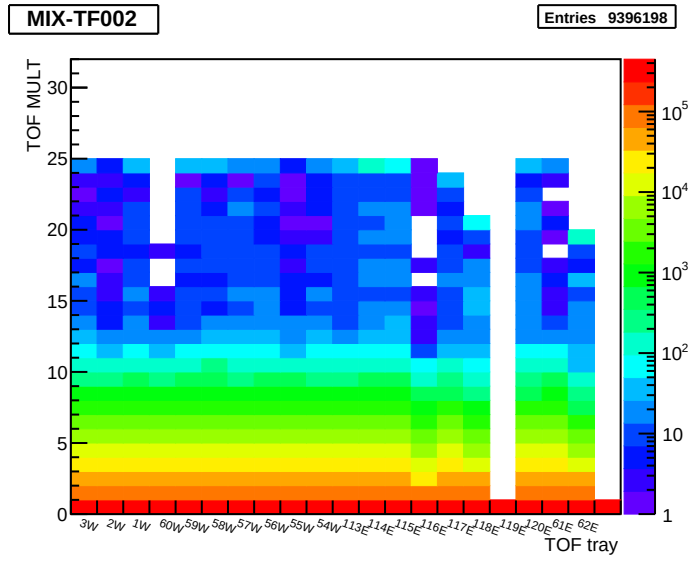

BunchId7Bit (EPD-TAC)
Entries 384813

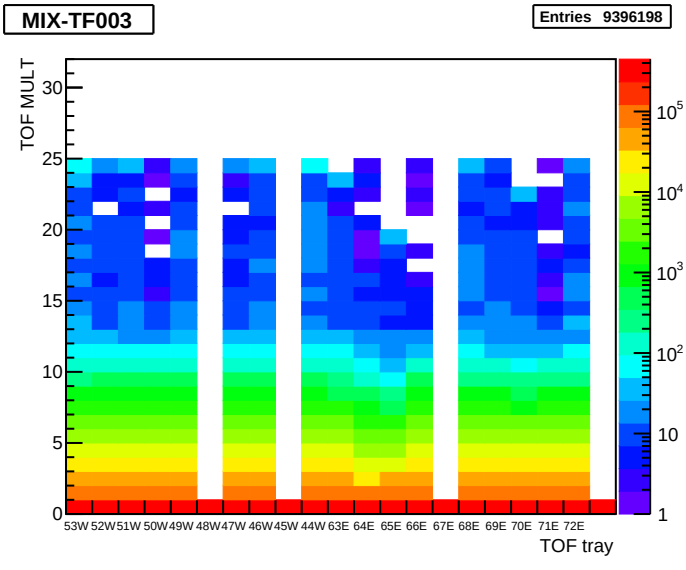

BunchId7Bit (BBC-TAC)
Entries 178525

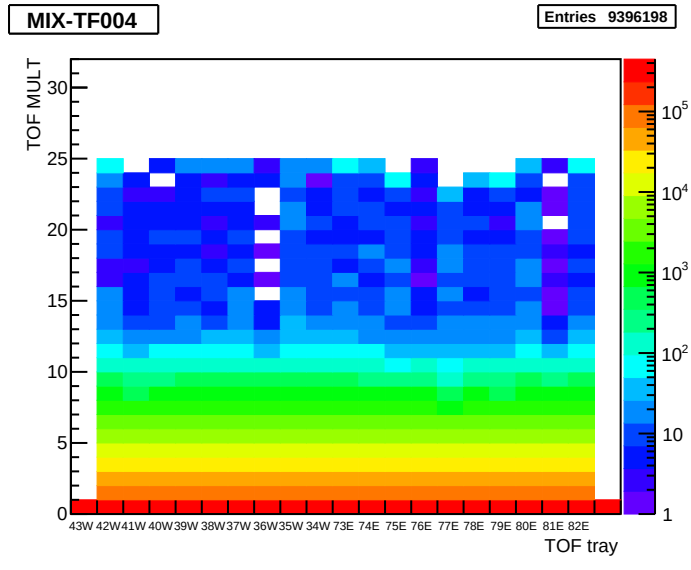

BunchId7Bit (Laser)
Entries 1

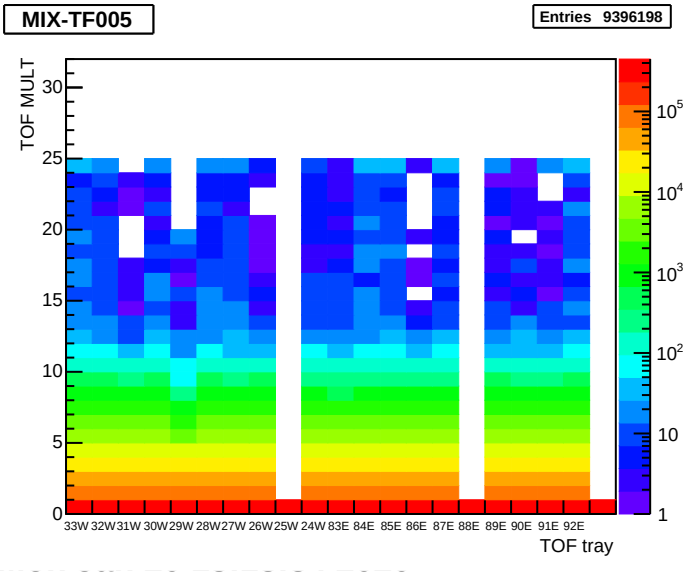

BunchId7Bit (TOFmult window)
Entries 13730

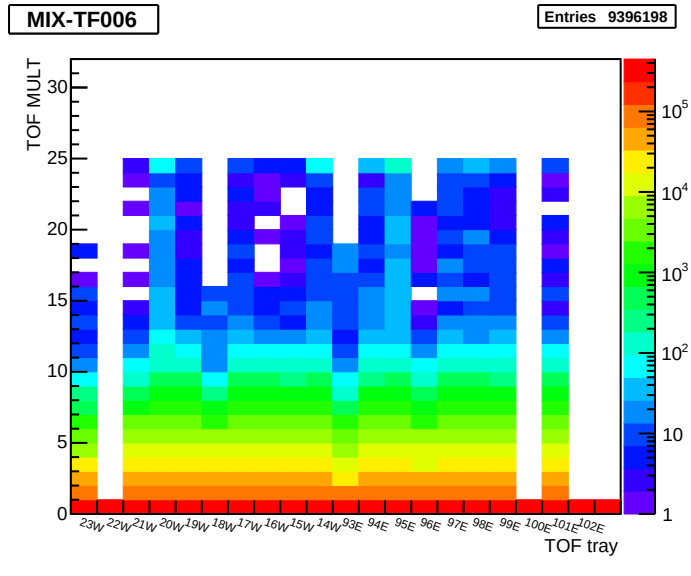

MIX-TF001
Entries 9396198
TOF MULT
TOF tray

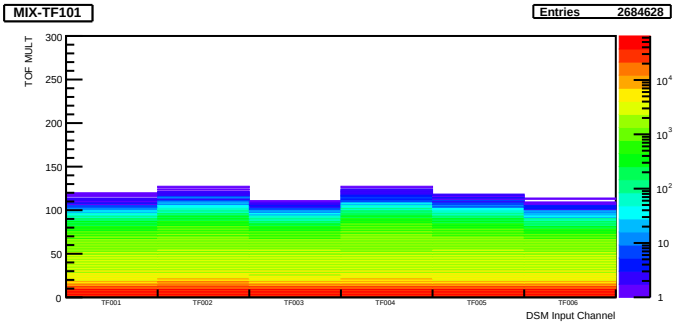

MIX-TF002
Entries 9396198
TOF MULT
TOF tray

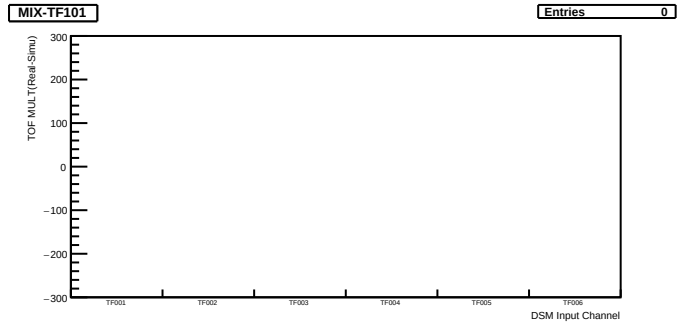

MIX-TF003
Entries 9396198
TOF MULT
TOF tray

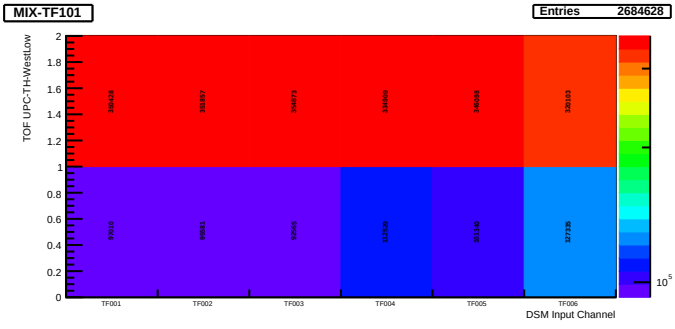

MIX-TF004
Entries 9396198
TOF MULT
TOF tray

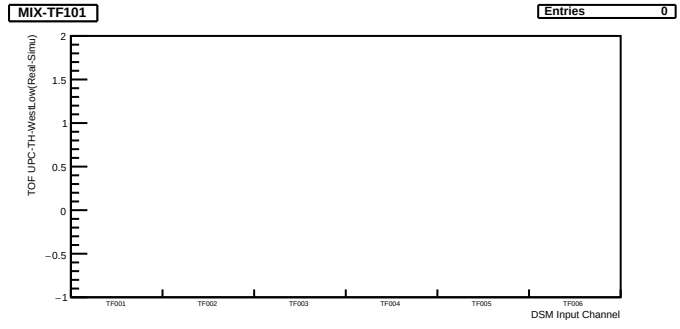

MIX-TF005
Entries 9396198
TOF MULT
TOF tray

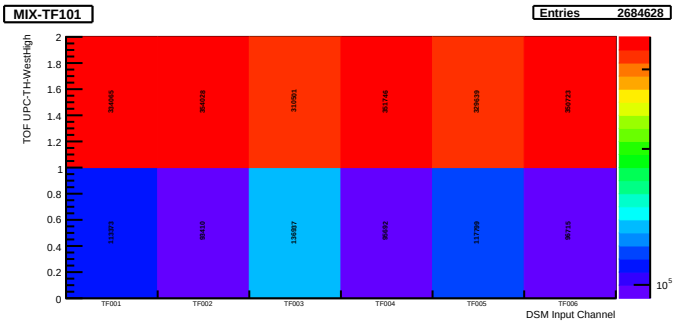

MIX-TF006
Entries 9396198
TOF MULT
TOF tray

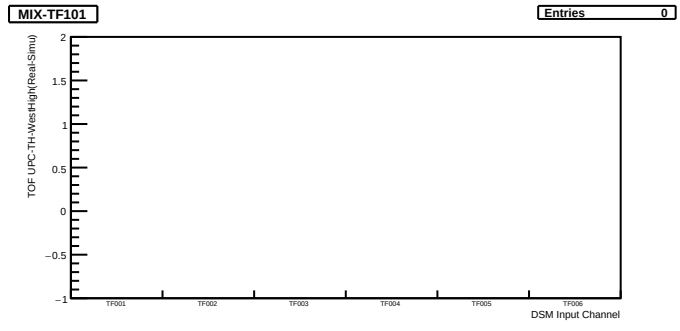

MIX-TF101
Entries 2684628
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

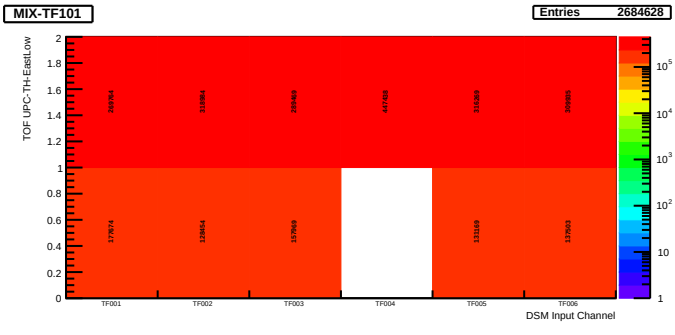

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

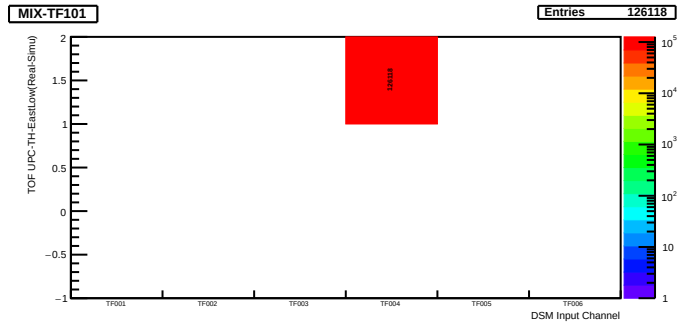

MIX-TF101
Entries 2684628
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

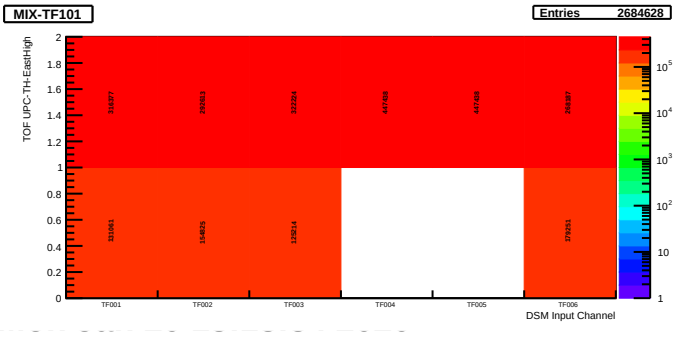

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

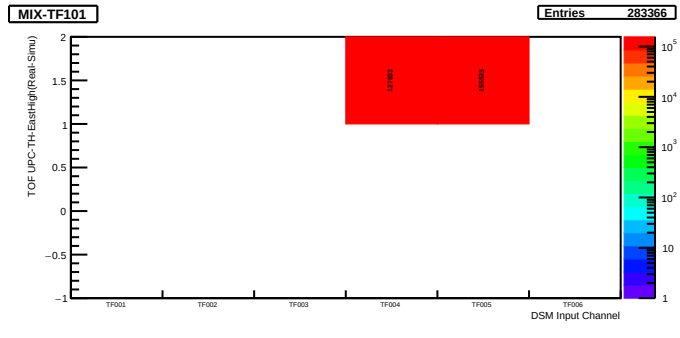

MIX-TF101
Entries 2684628
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

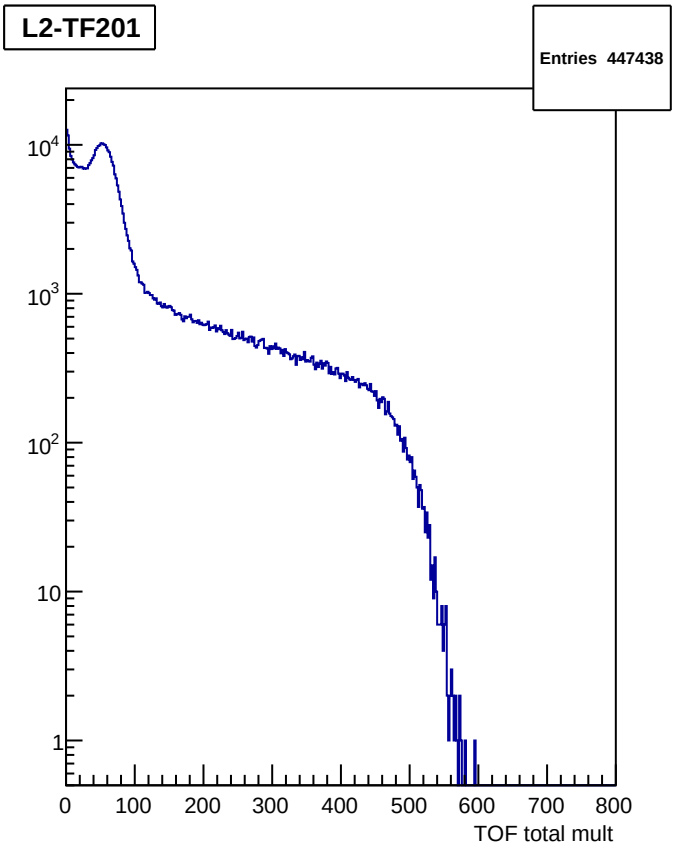

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

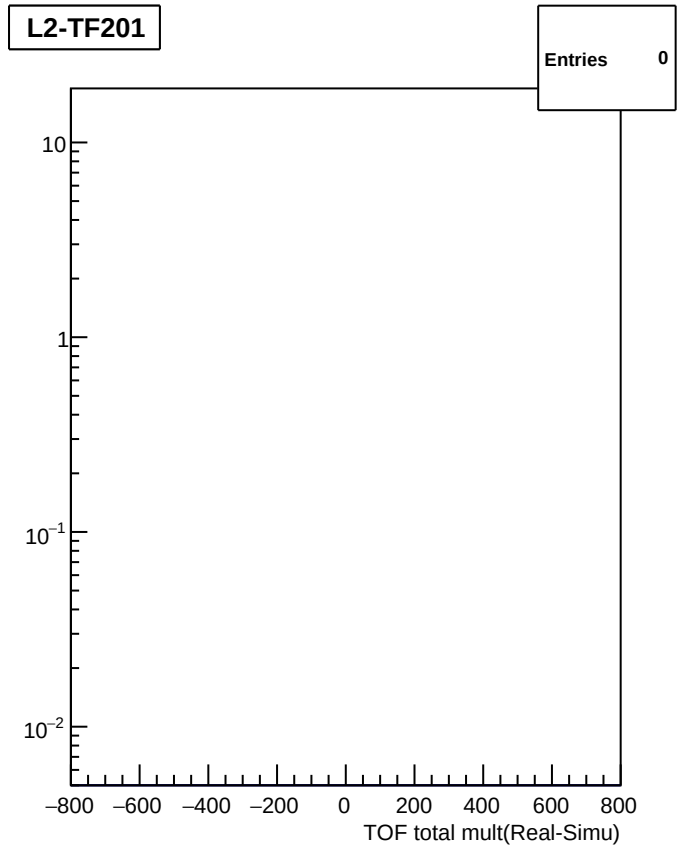

MIX-TF101
Entries 2684628
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

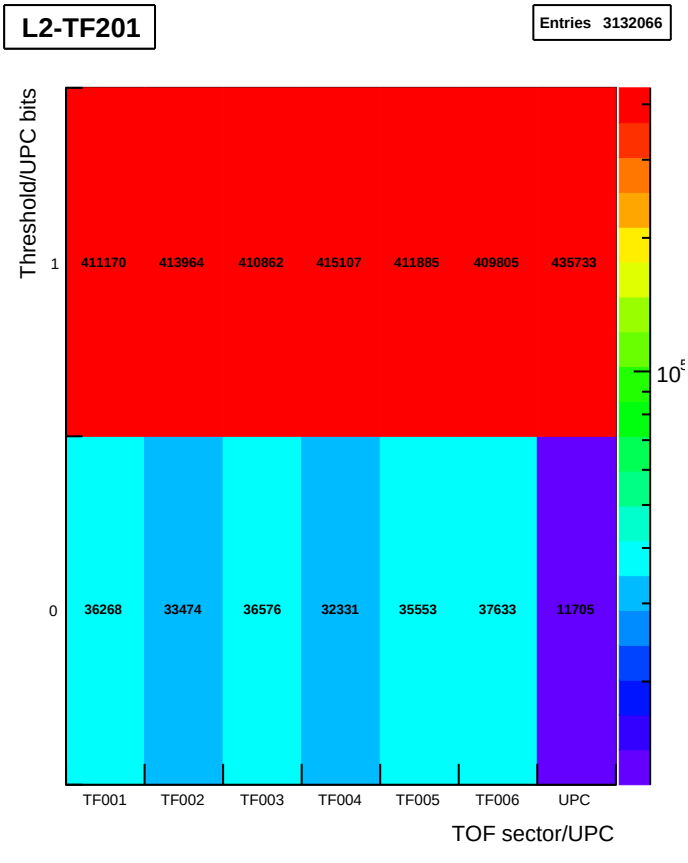

MIX-TF101
Entries 126118
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

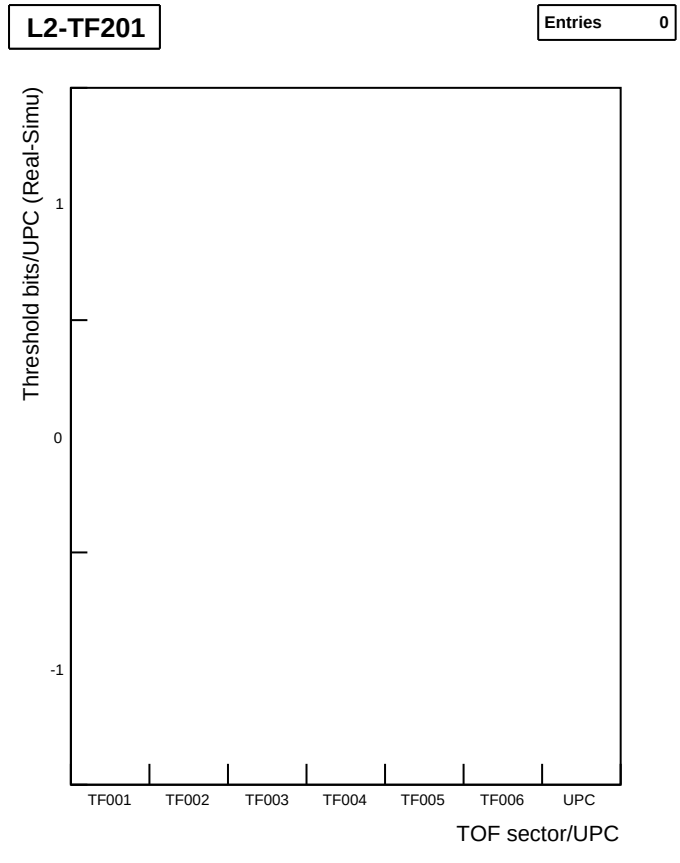

MIX-TF101
Entries 2684628
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

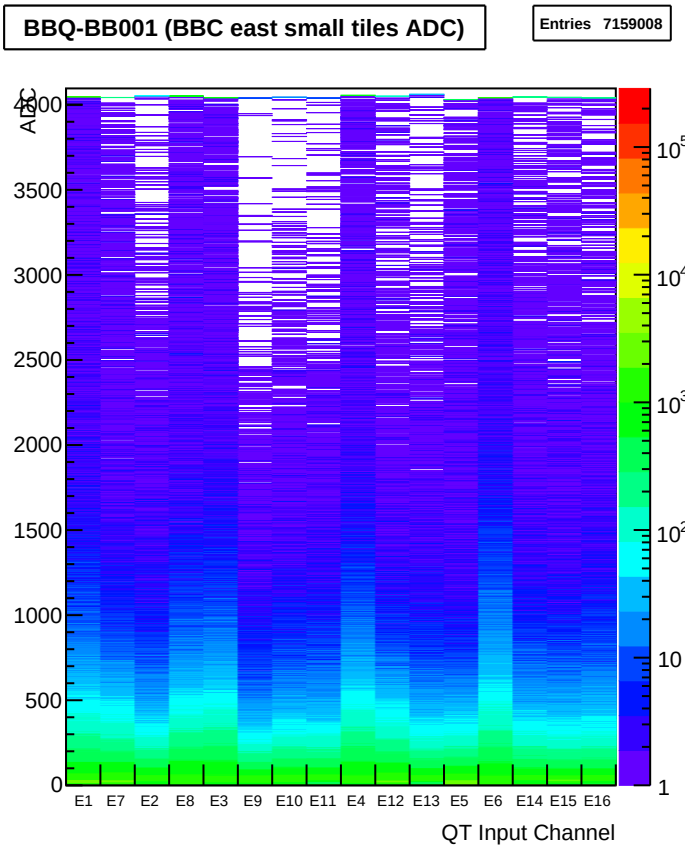

MIX-TF101
Entries 283366
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

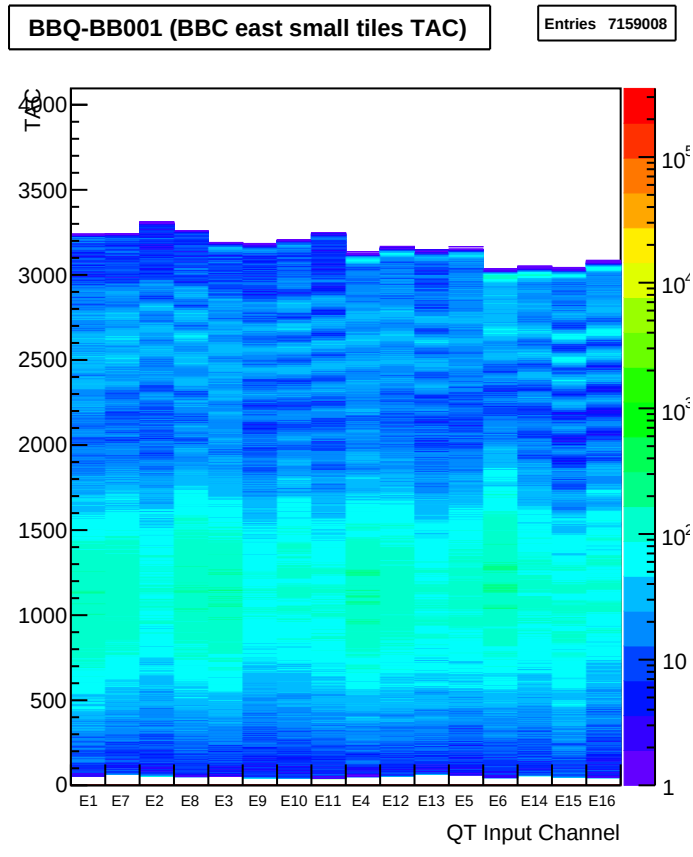

L2-TF201
Entries 447438
TOF total mult

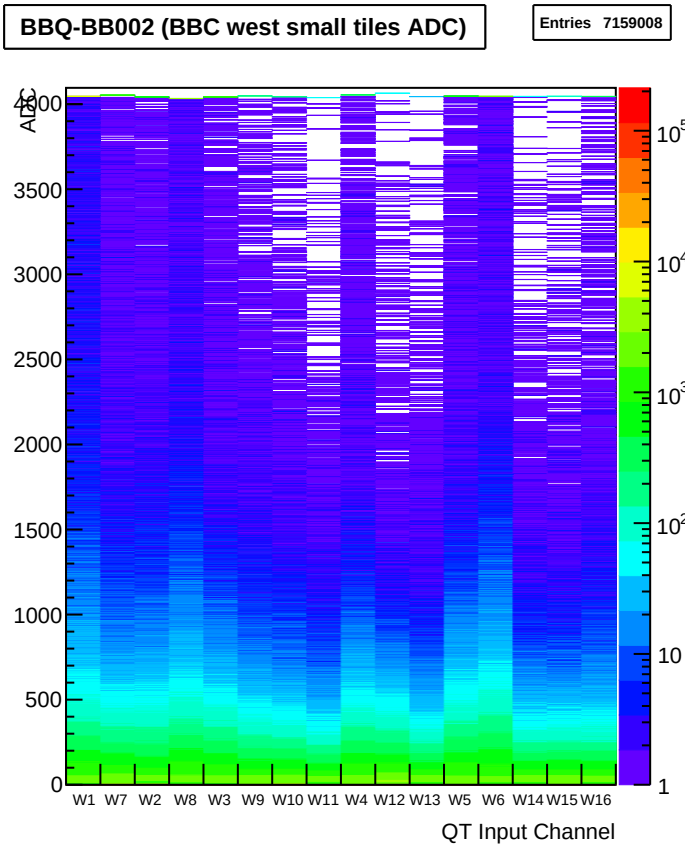

L2-TF201
Entries 0
TOF total mult(Real-Simu)

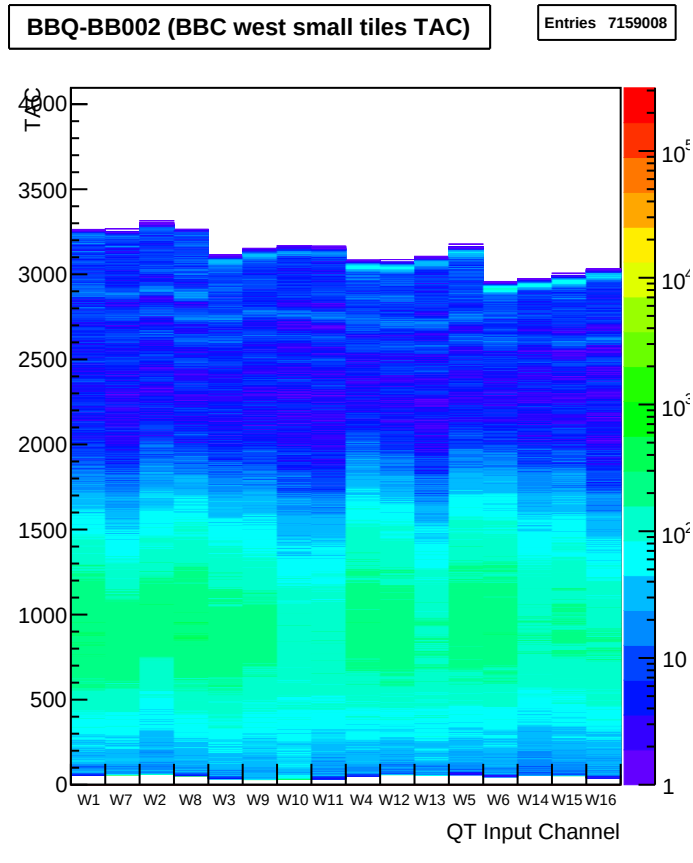

L2-TF201
Entries 3132066
Threshold/UPC bits
411170
413964
410862
415107
411885
409805
435733
36268
33474
36576
32331
35553
37633
11705
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

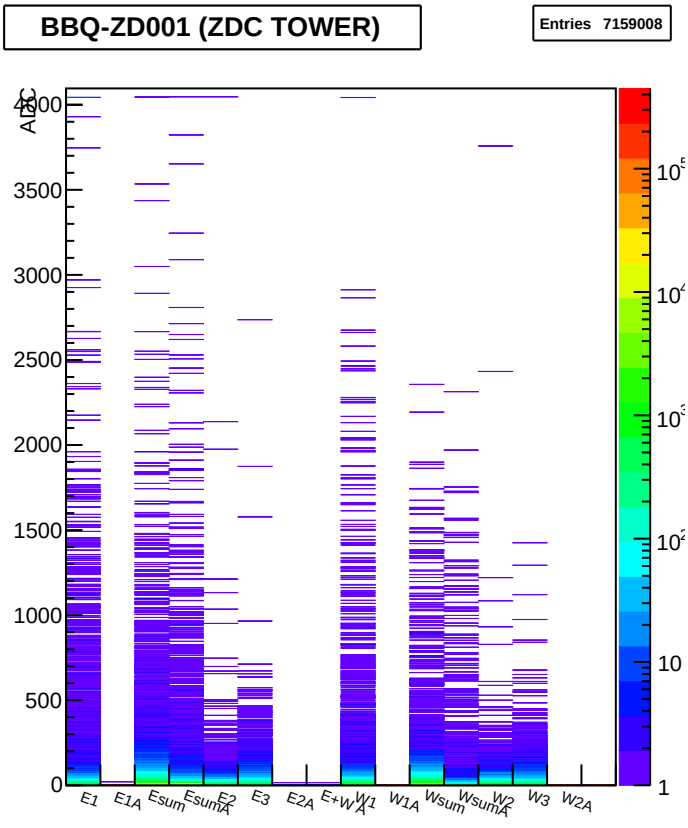

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

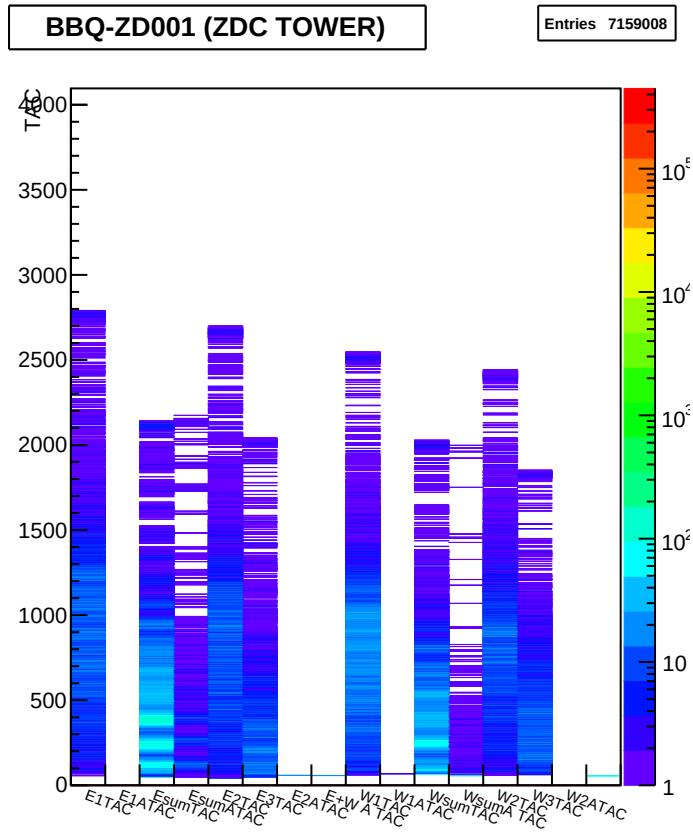

BBQ-BB001 (BBC east small tiles ADC)
Entries 7159008
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

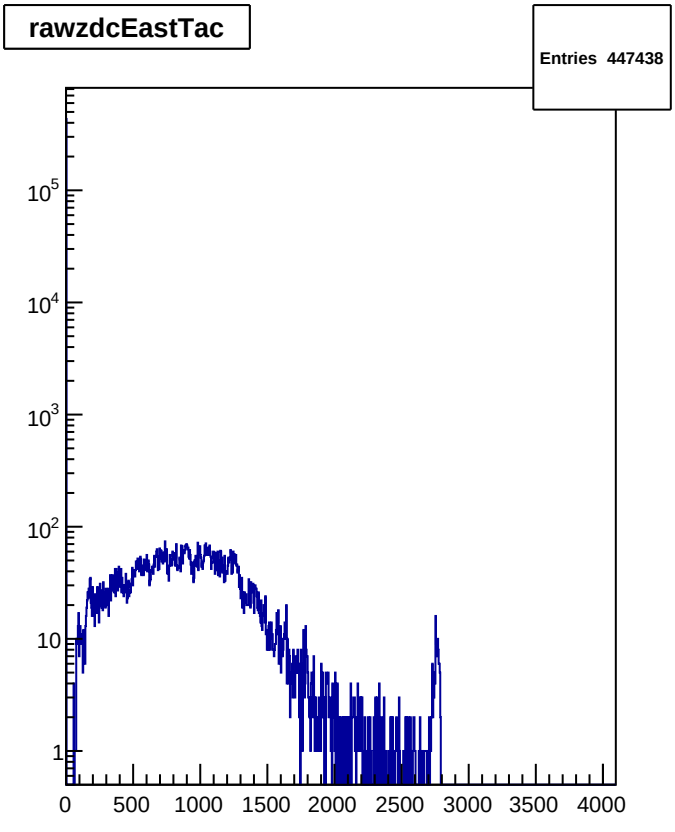

BBQ-BB001 (BBC east small tiles TAC)
Entries 7159008
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

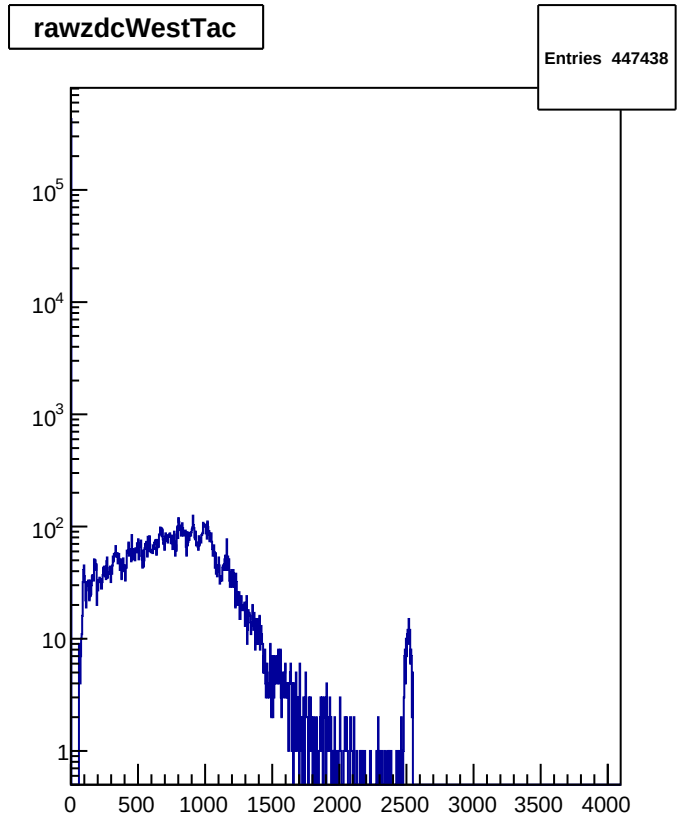

BBQ-BB002 (BBC west small tiles ADC)
Entries 7159008
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

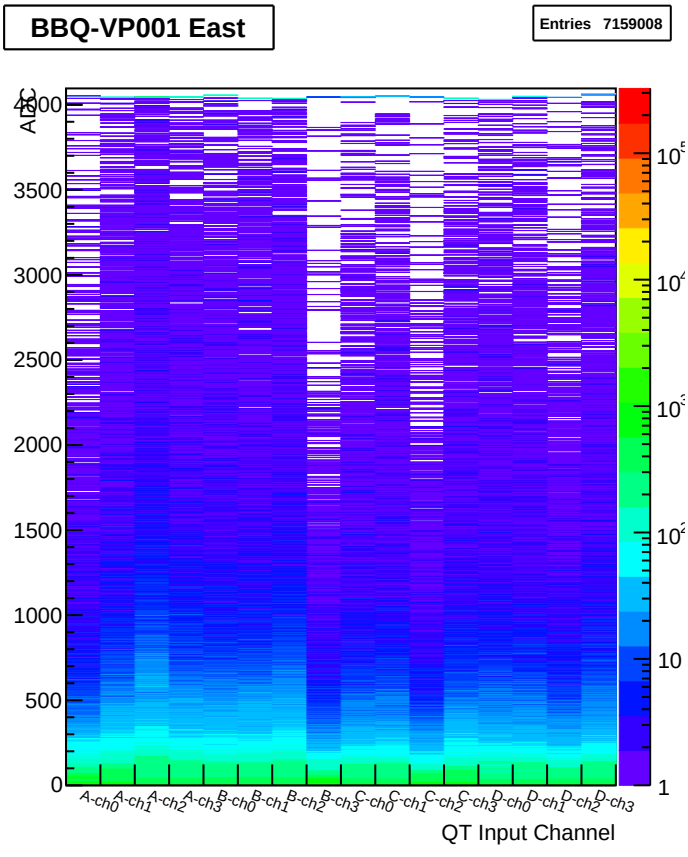

BBQ-BB002 (BBC west small tiles TAC)
Entries 7159008
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

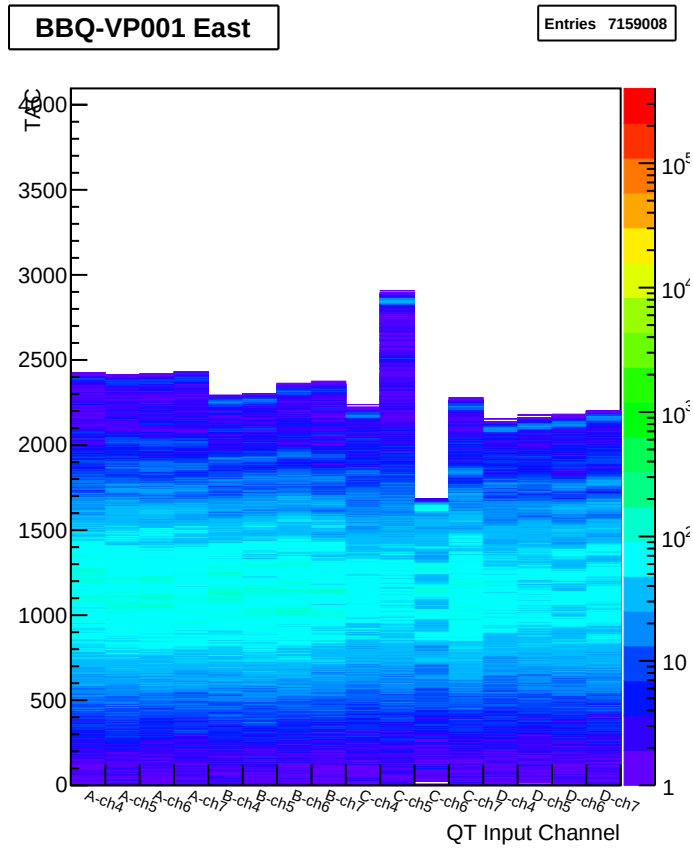

BBQ-ZD001 (ZDC TOWER)
Entries 7159008
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

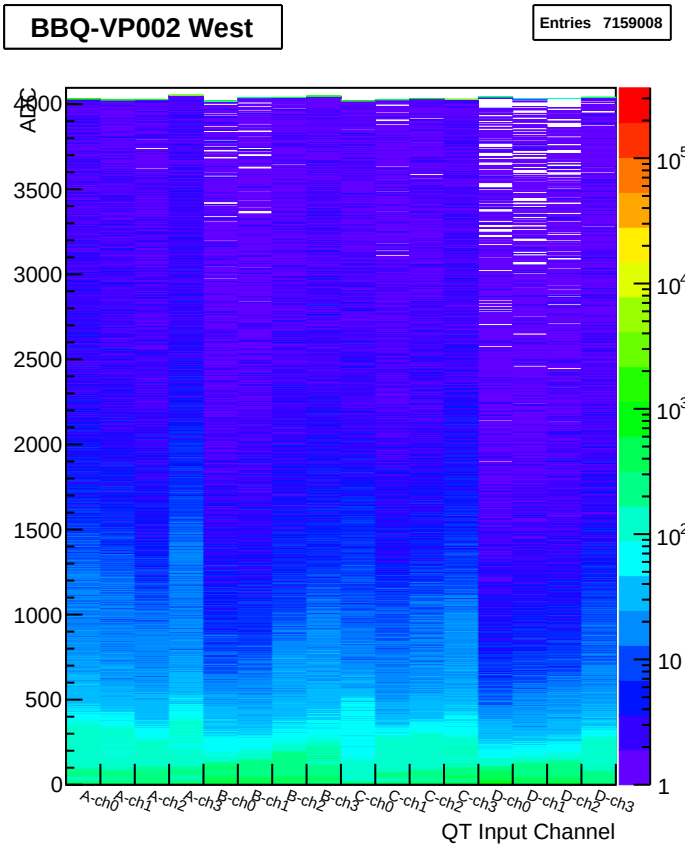

BBQ-ZD001 (ZDC TOWER)
Entries 7159008
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

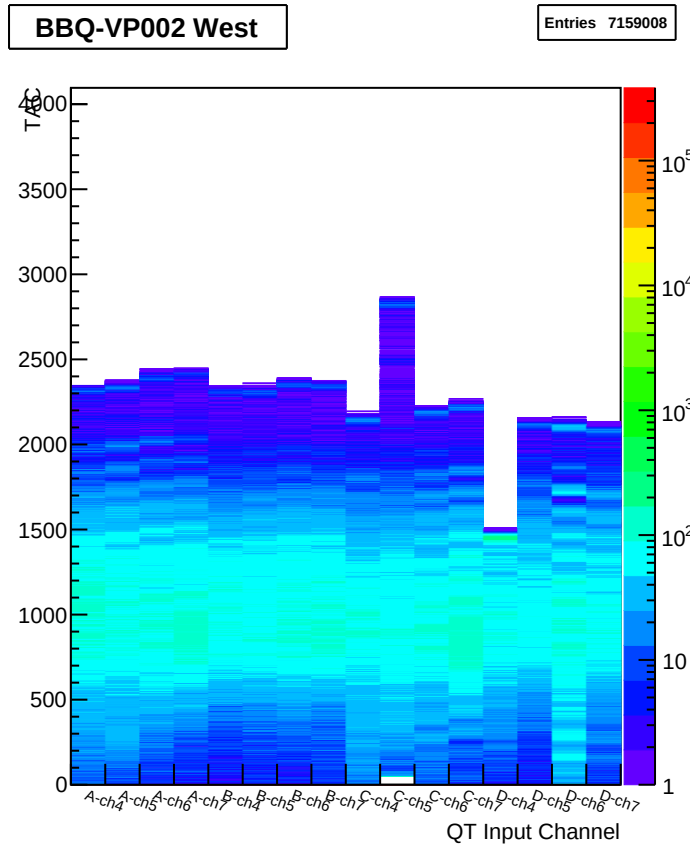

rawzdcEastTac
Entries 447438

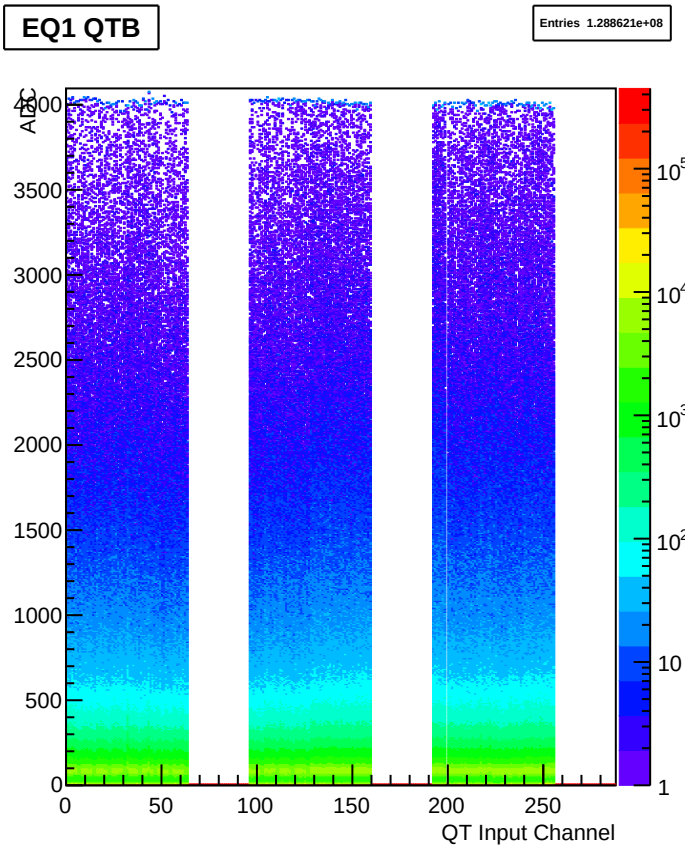

rawzdcWestTac
Entries 447438

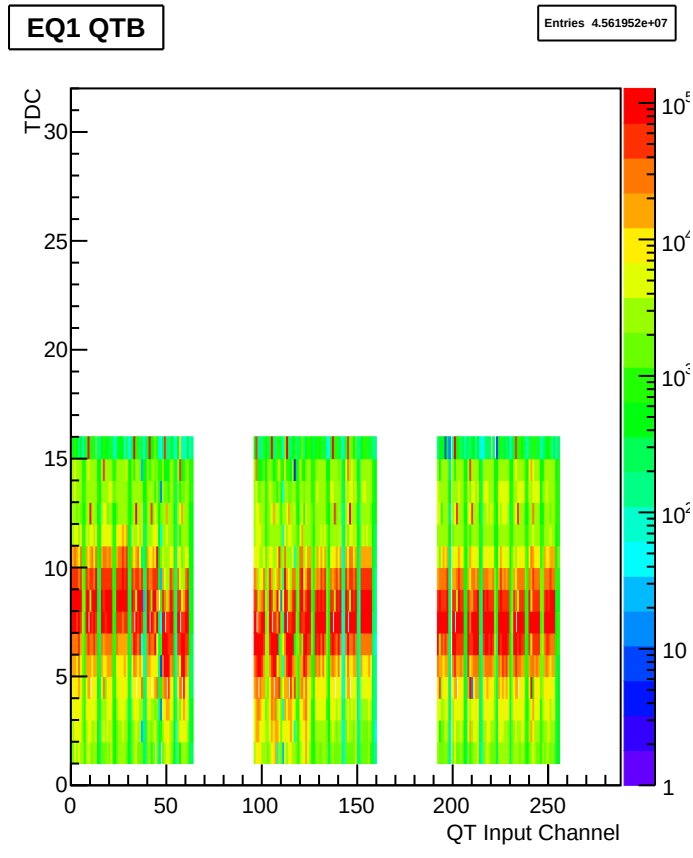

BBQ-VP001 East
Entries 7159008
ADC
QT Input Channel

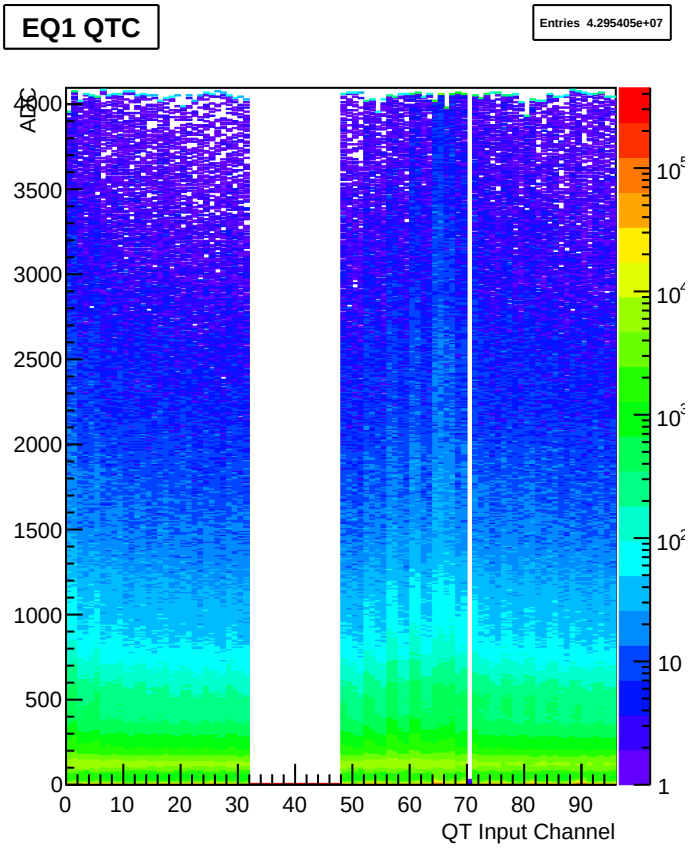

BBQ-VP001 East
Entries 7159008
TADC
QT Input Channel

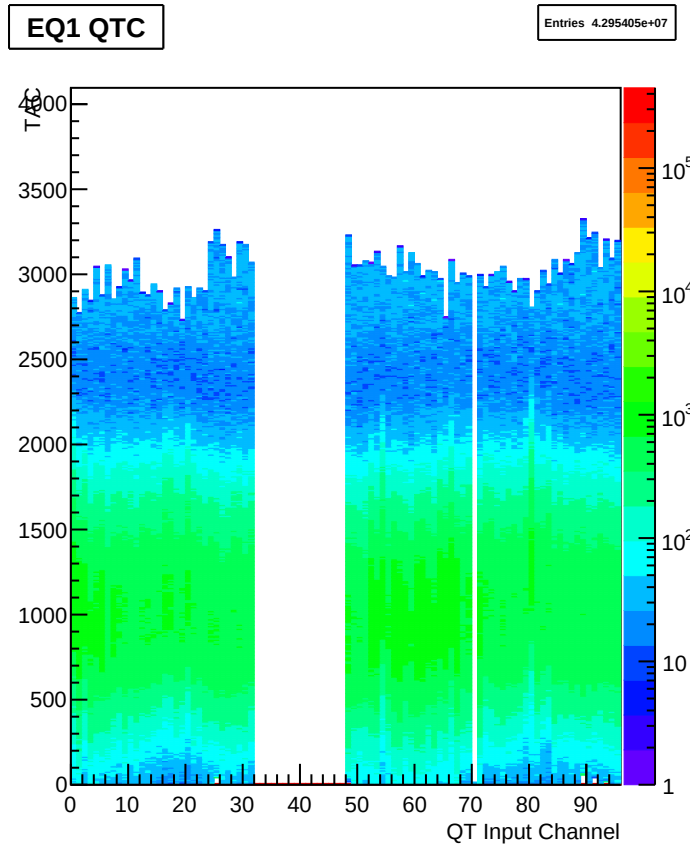

BBQ-VP002 West
Entries 7159008
ADC
QT Input Channel

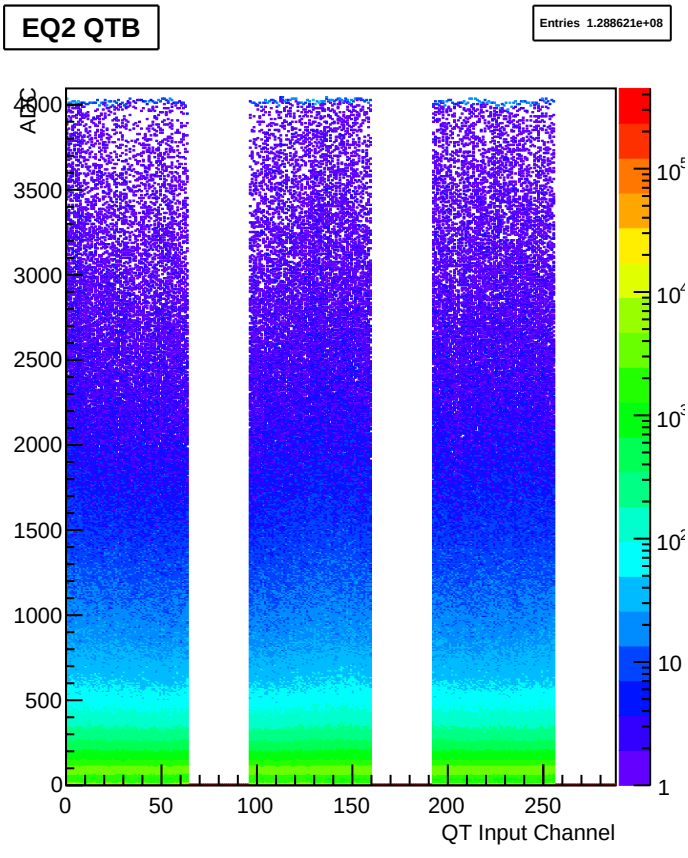

BBQ-VP002 West
Entries 7159008
TADC
QT Input Channel

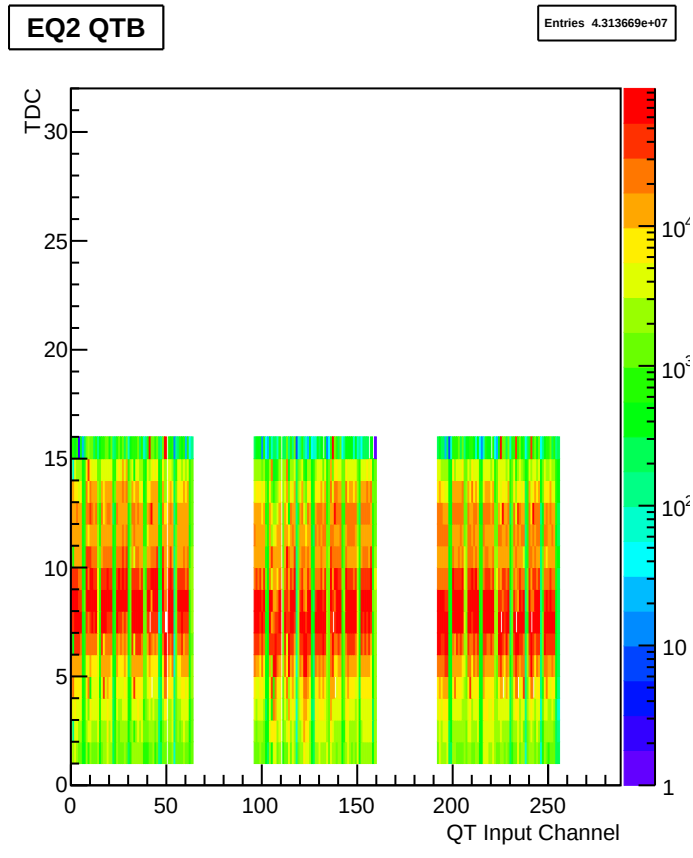

EQ1 QTB
Entries 1.288621e+08
ADC
QT Input Channel

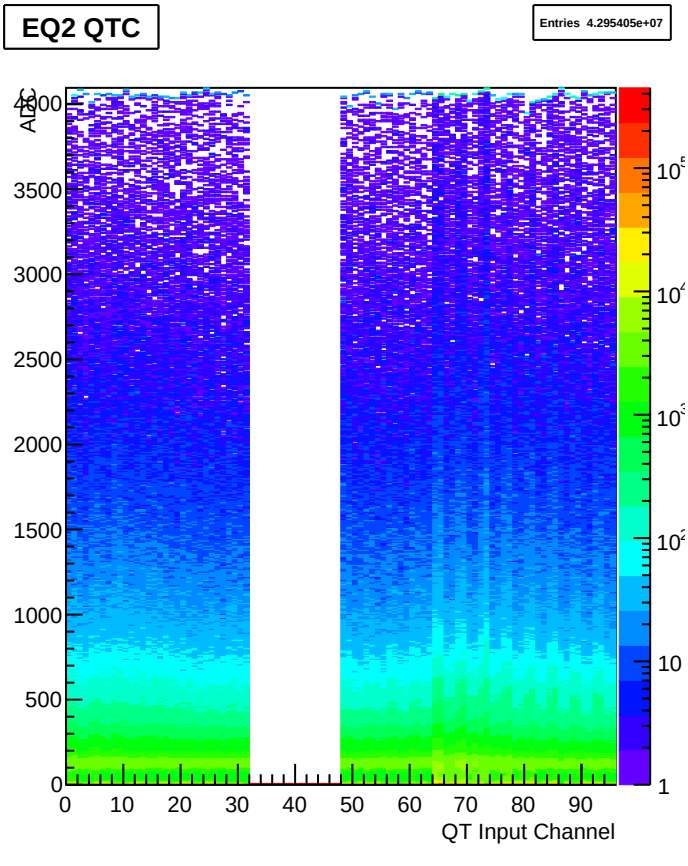

EQ1 QTB
Entries 4.561952e+07
TDC
QT Input Channel

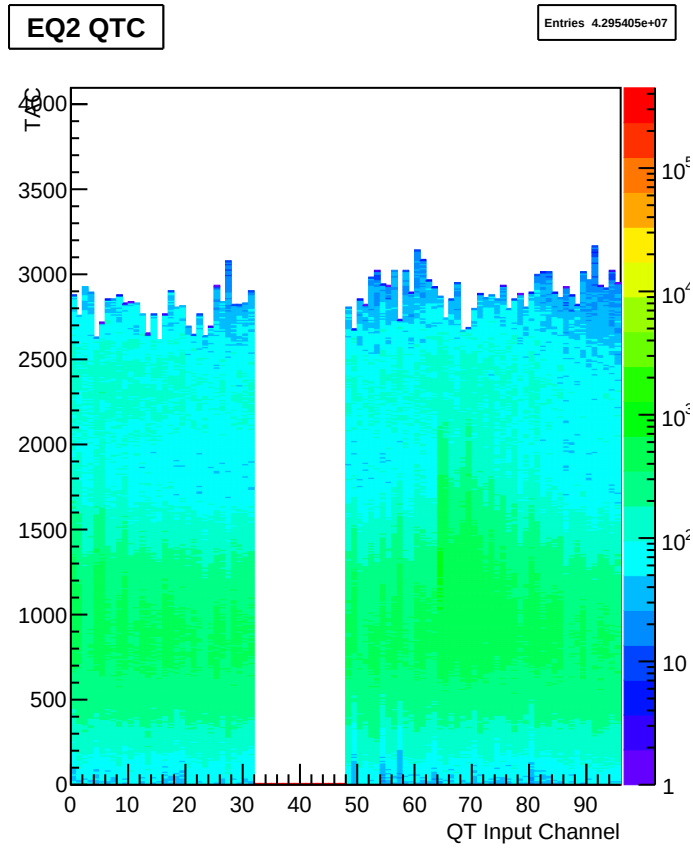

EQ1 QTC
Entries 4.295405e+07
ADC
QT Input Channel

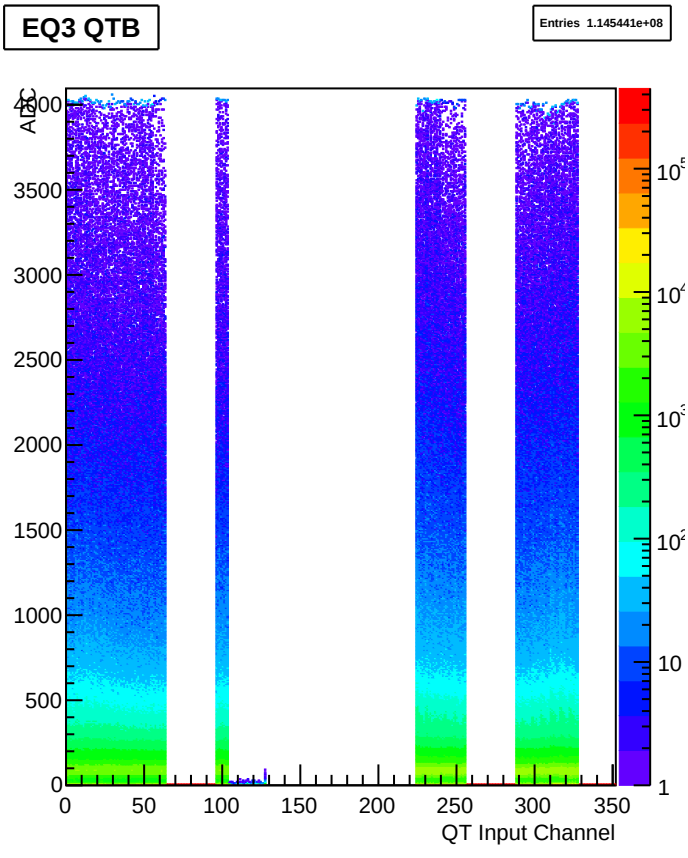

EQ1 QTC
Entries 4.295405e+07
TADC
QT Input Channel

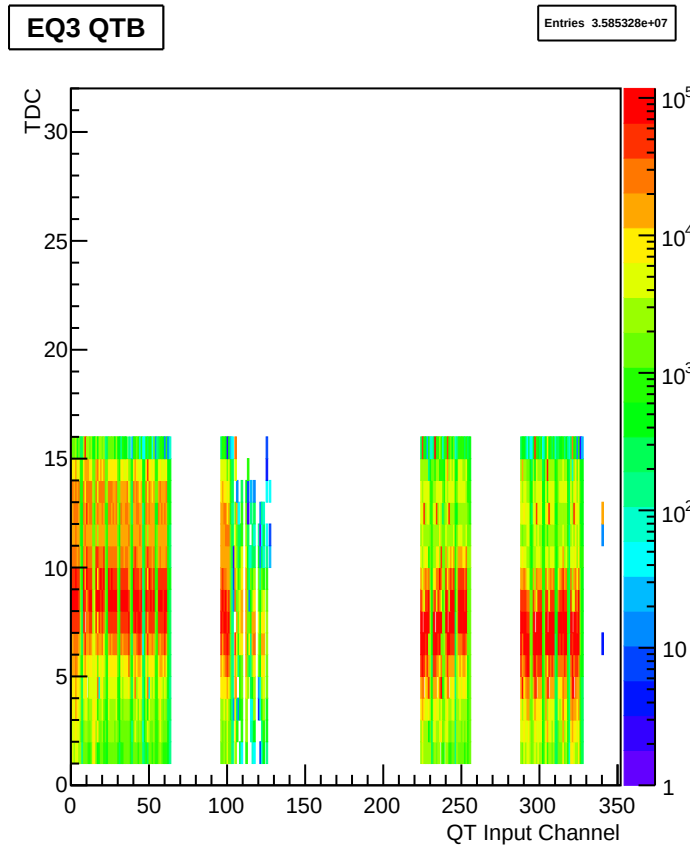

EQ2 QTB
Entries 1.288621e+08
ADC
QT Input Channel

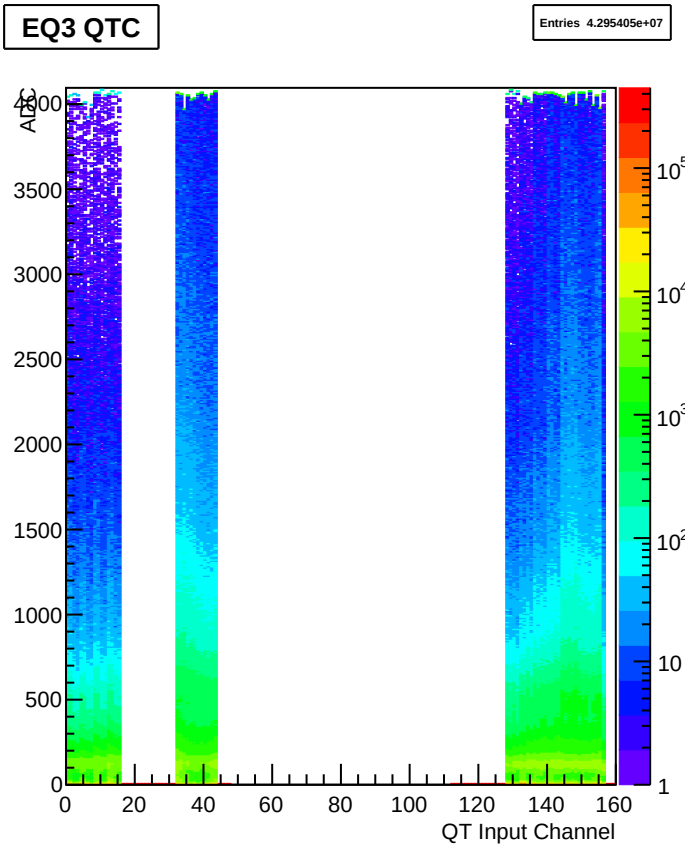

EQ2 QTB
Entries 4.313669e+07
TDC
QT Input Channel

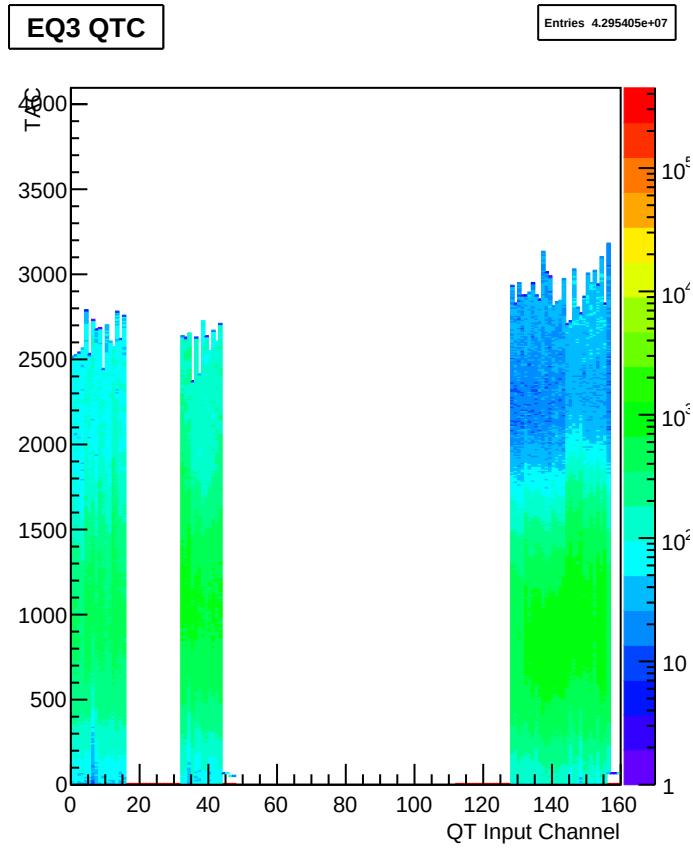

EQ2 QTC
Entries 4.295405e+07
ADC
QT Input Channel

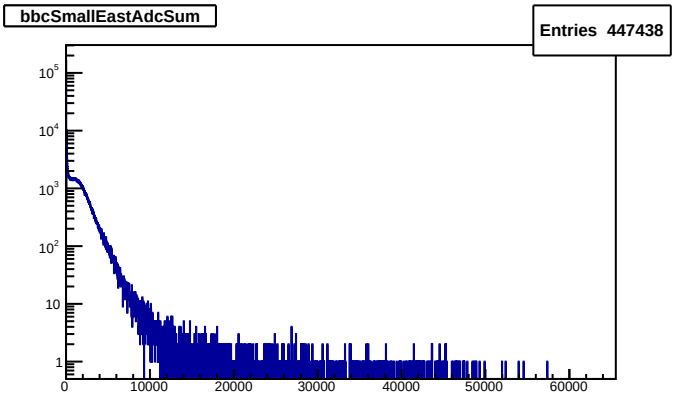

EQ2 QTC
Entries 4.295405e+07
TADC
QT Input Channel

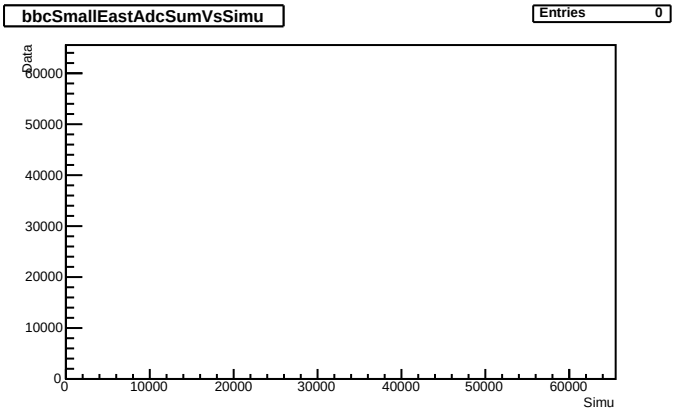

EQ3 QTB
Entries 1.145441e+08
ADC
QT Input Channel

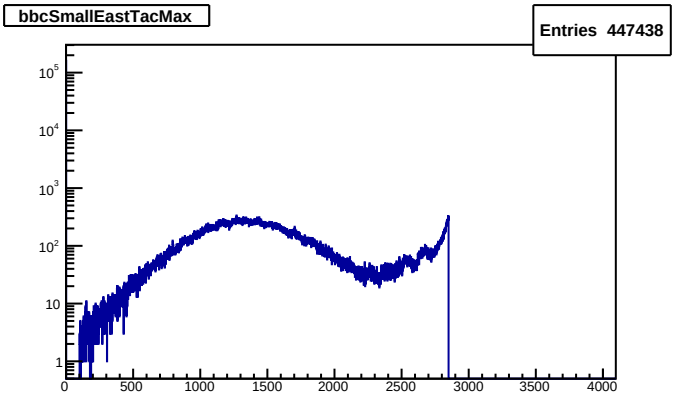

EQ3 QTB
Entries 3.585328e+07
TDC
QT Input Channel

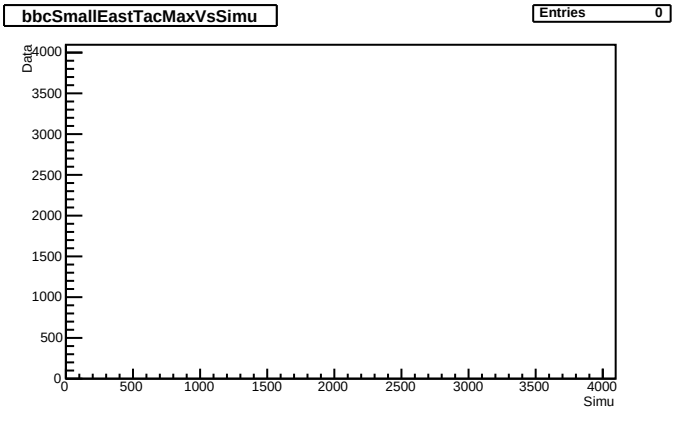

EQ3 QTC
Entries 4.295405e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.295405e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 447438


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 447438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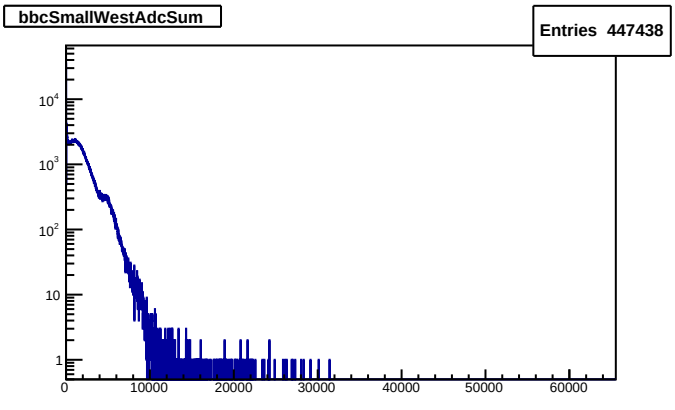
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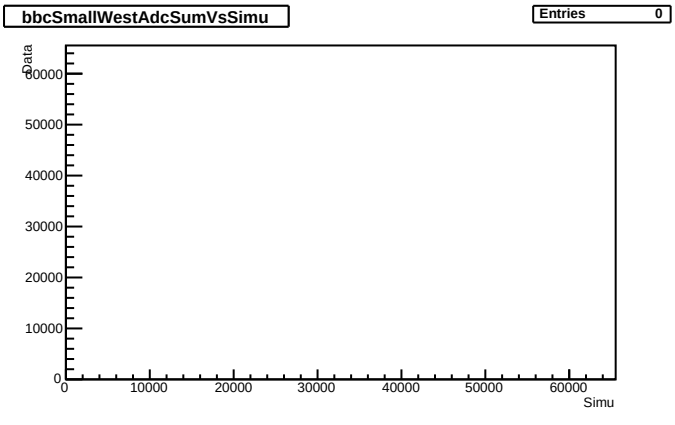
Entries 447438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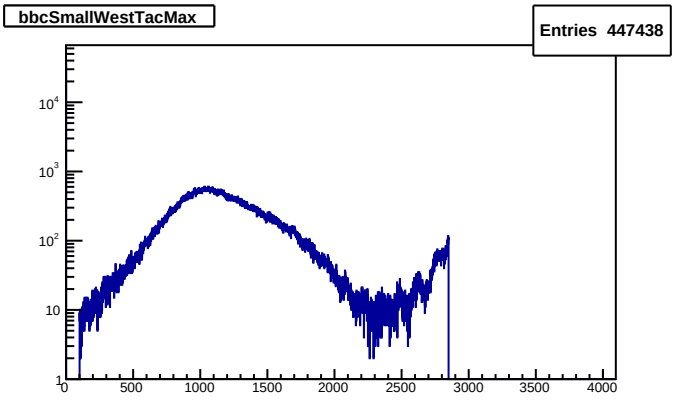
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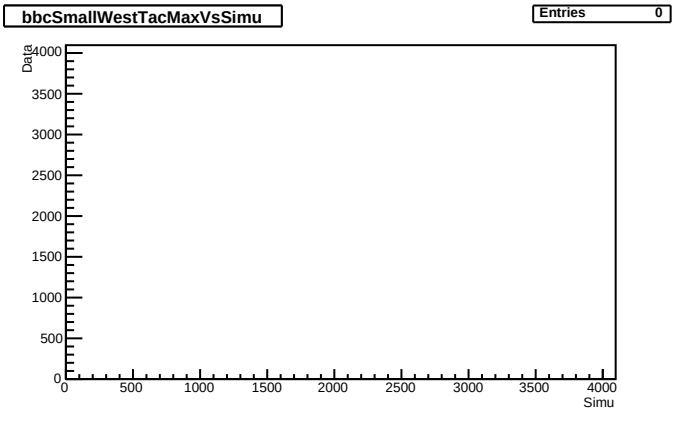
Entries 447438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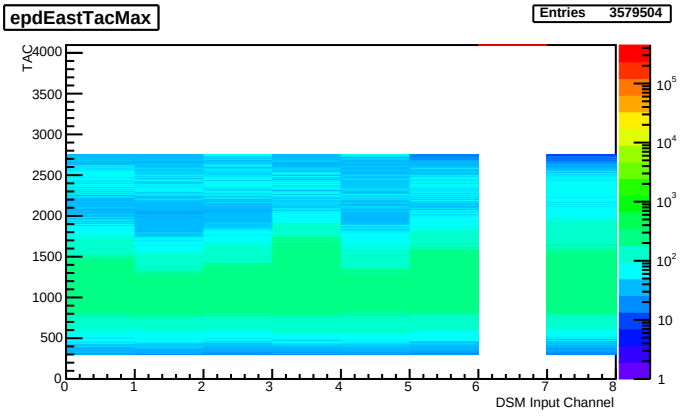
Entries 0
Data
Simu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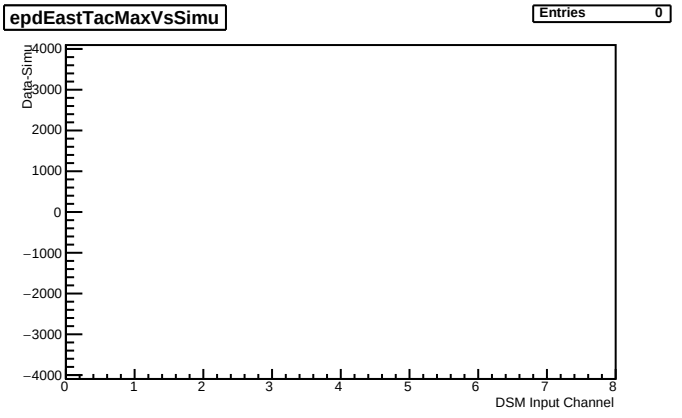
TAC
DSM Input Channel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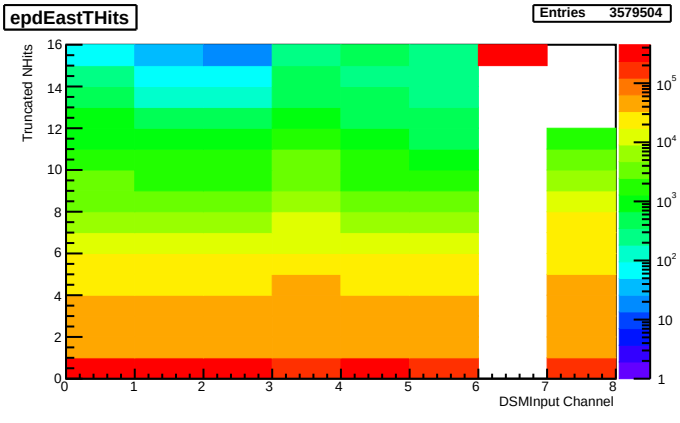
Data-Simu
DSM Input Channel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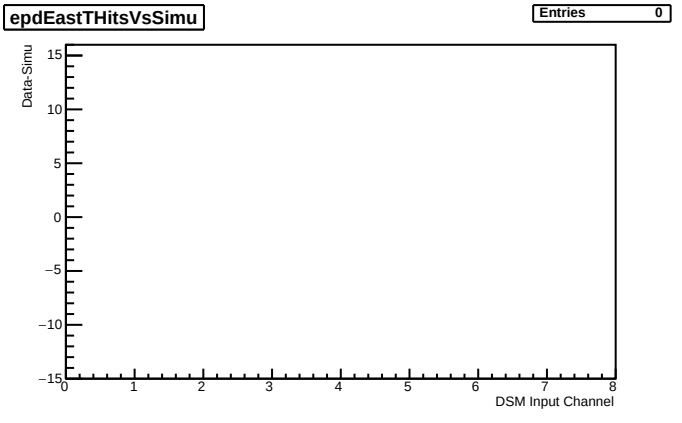
Entries 3579504
Truncated NHits
DSMInput Channel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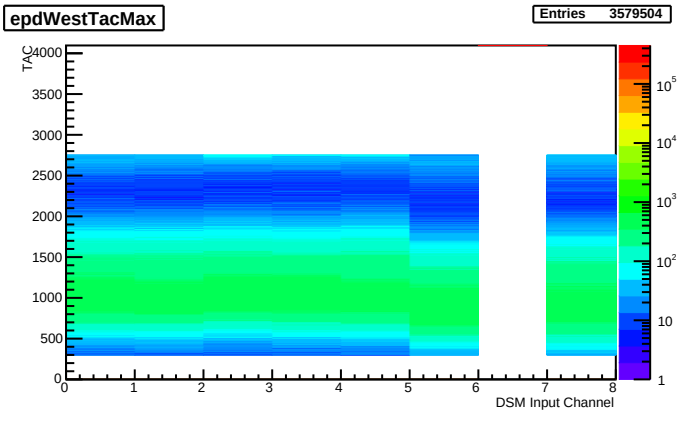
DSM Input Channel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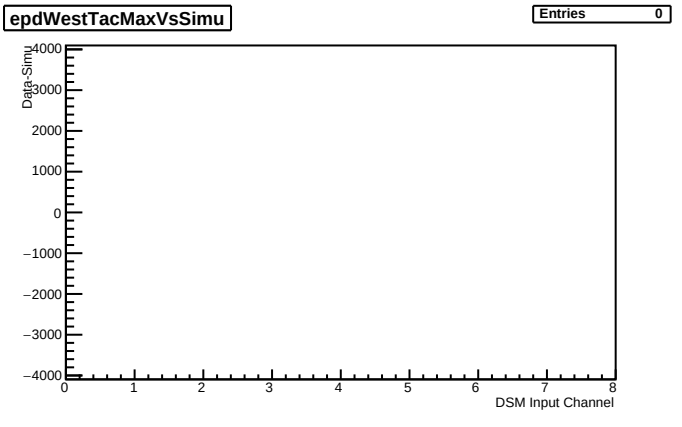
DSM Input Channel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Entries 0
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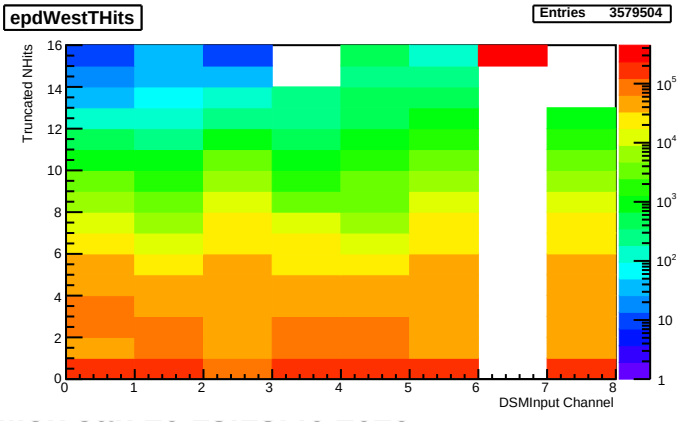
DSM Input Channel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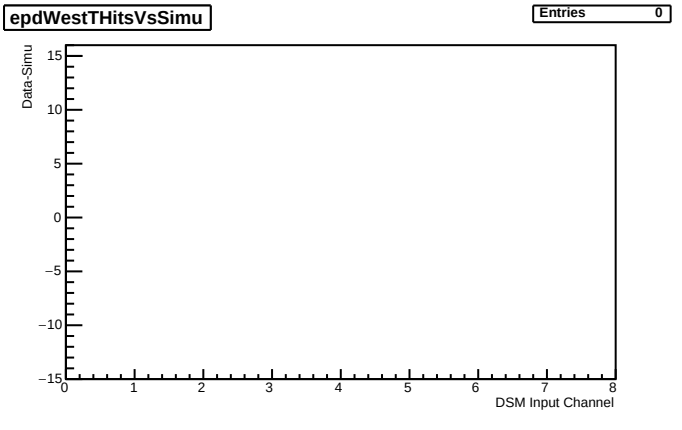
Entries 3579504
Truncated NHits
DSMInput Channel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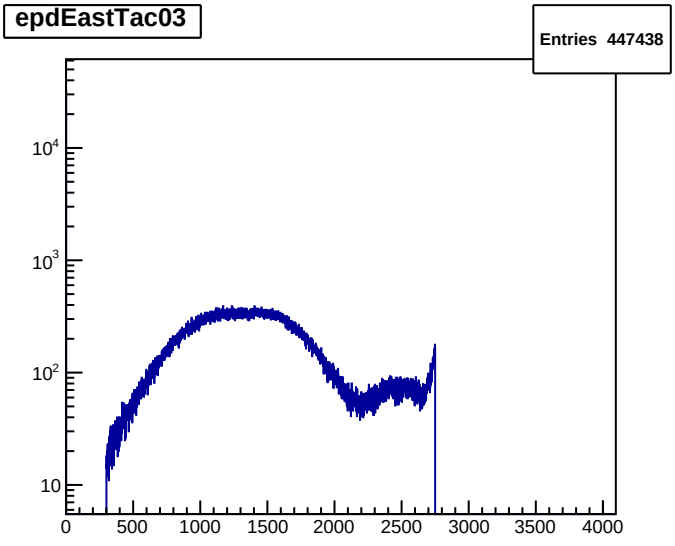
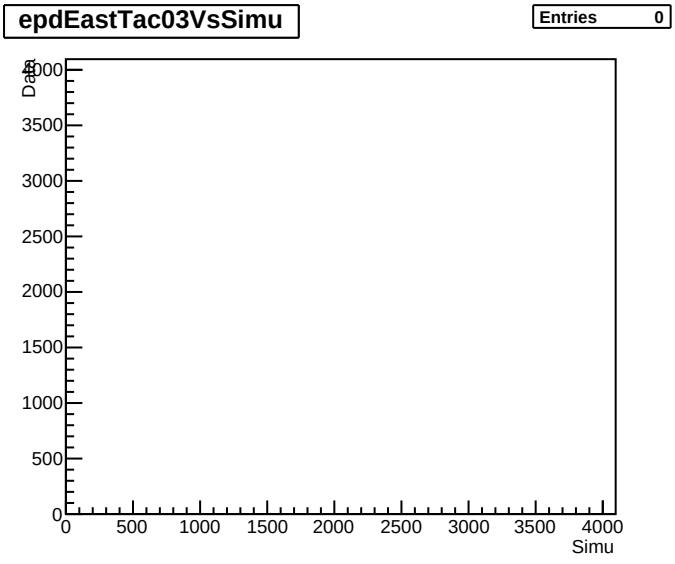
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 447438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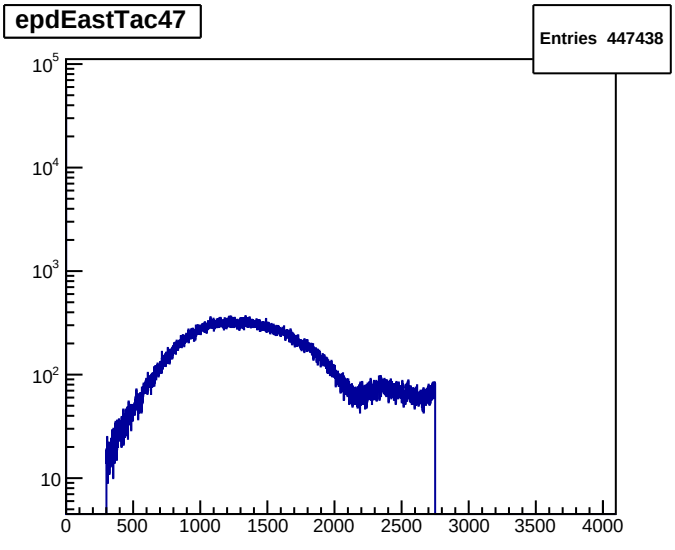
Entries 0
Data
Simu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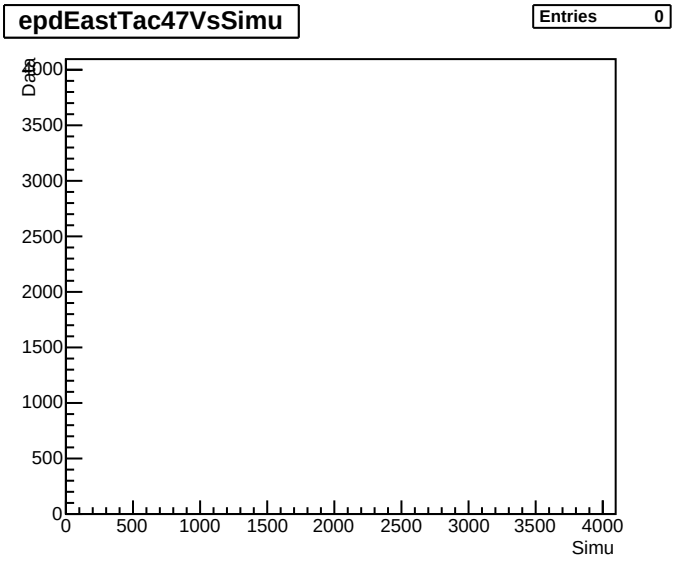
Entries 447438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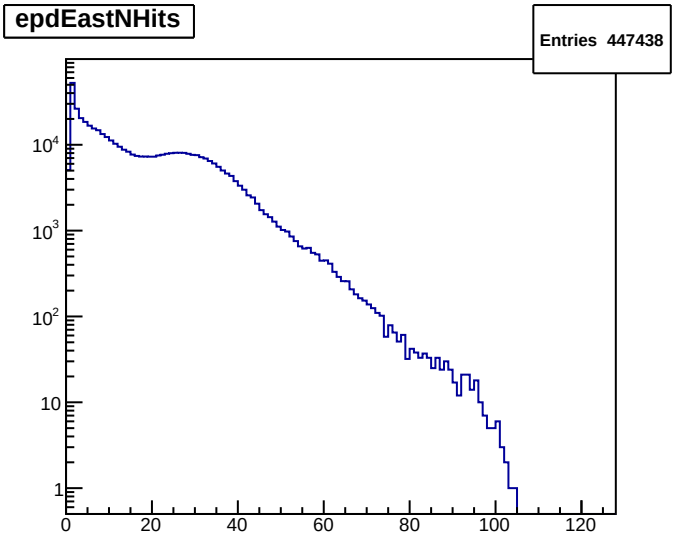
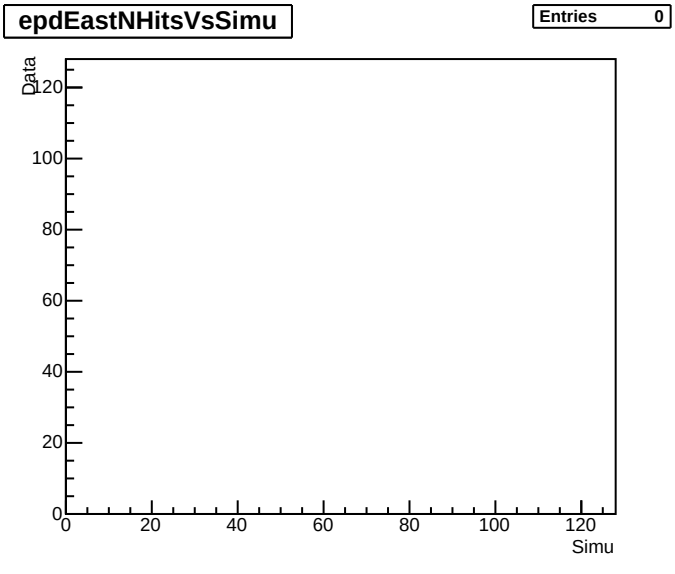
Entries 0
Data
Simu


epdEastNHits
Entries 447438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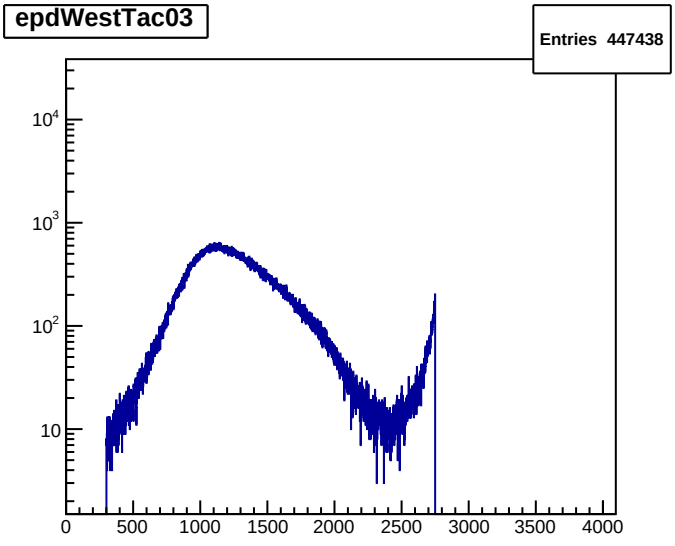
Data
Simu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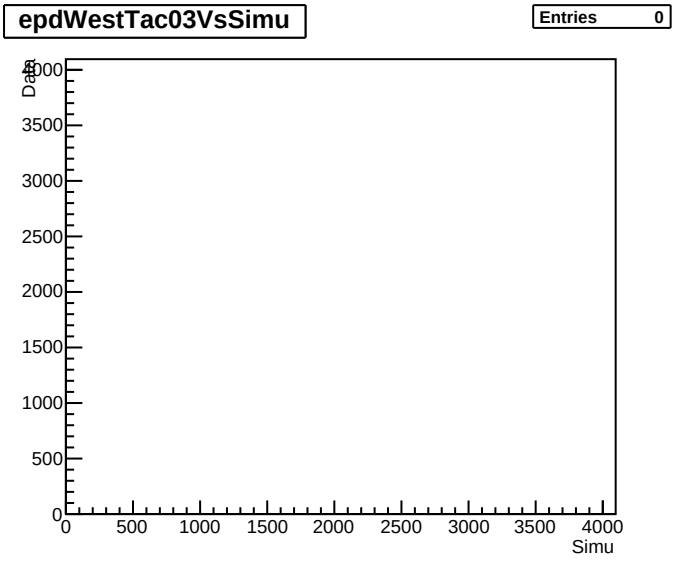
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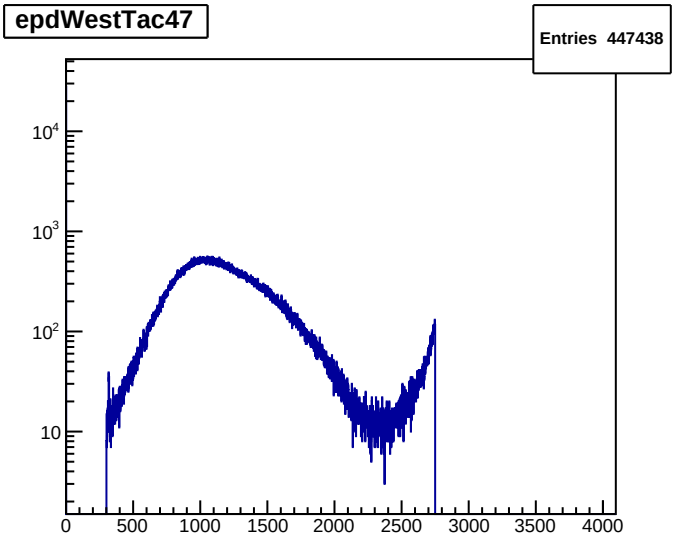
Data
Simu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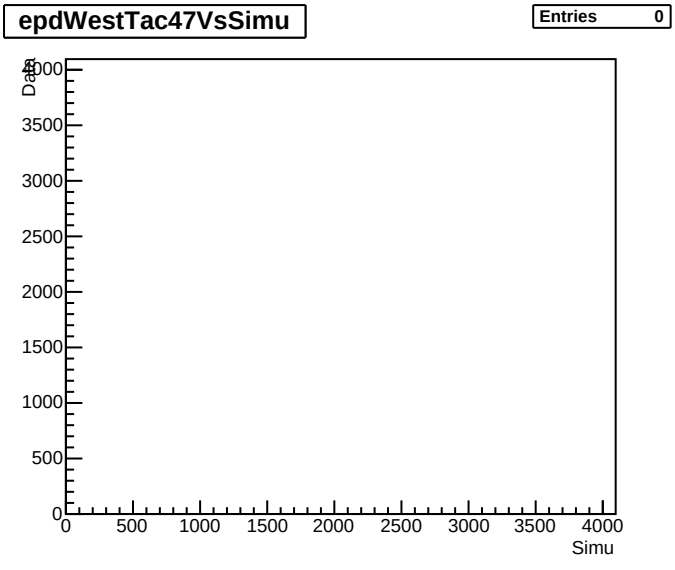
Entries 447438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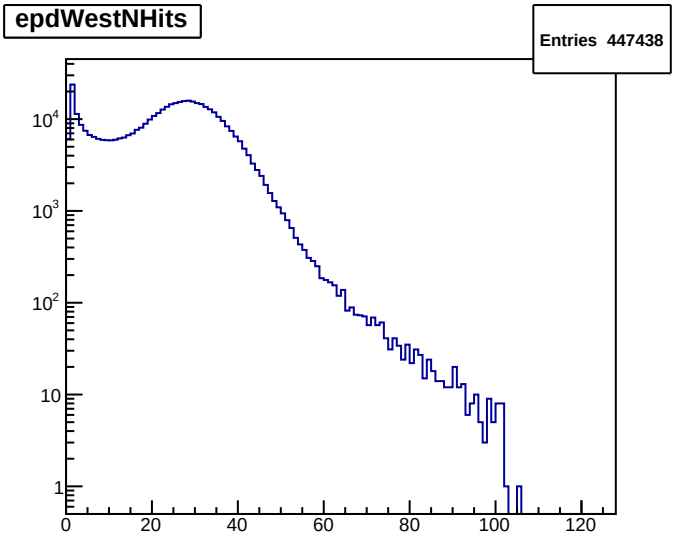
Entries 0
Data
Simu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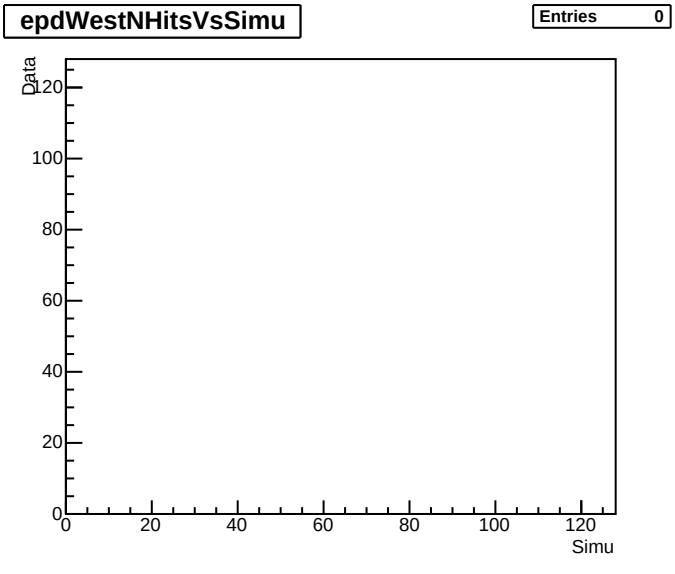
Entries 447438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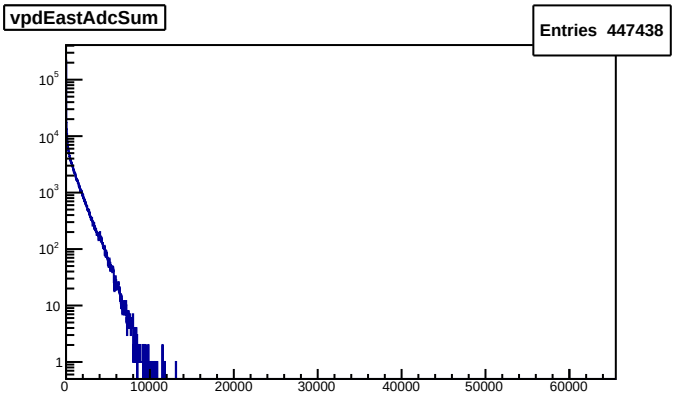
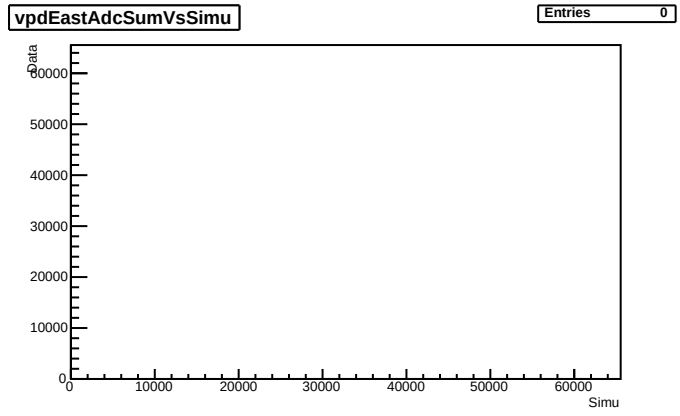
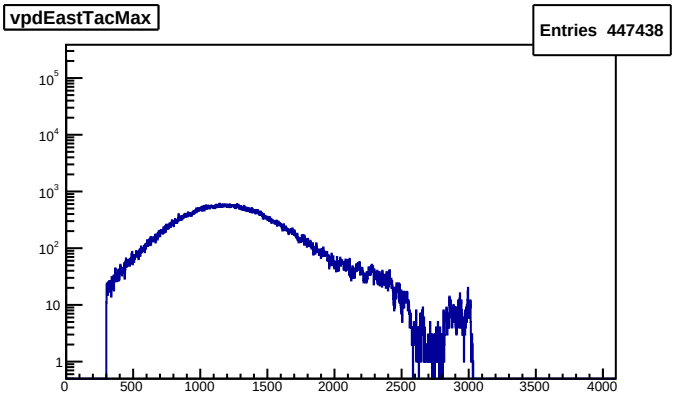
Entries 0
Data
Simu


vpdEastAdcSum
Entries 447438


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
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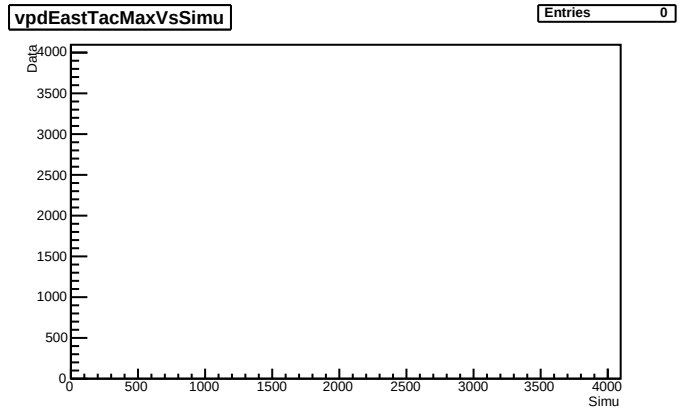
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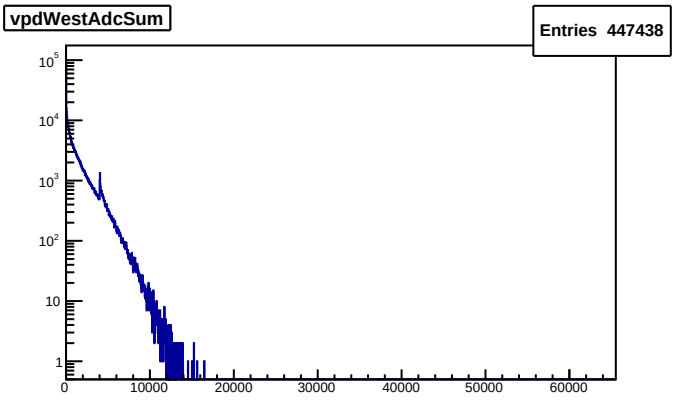
Entries 0
Data
Simu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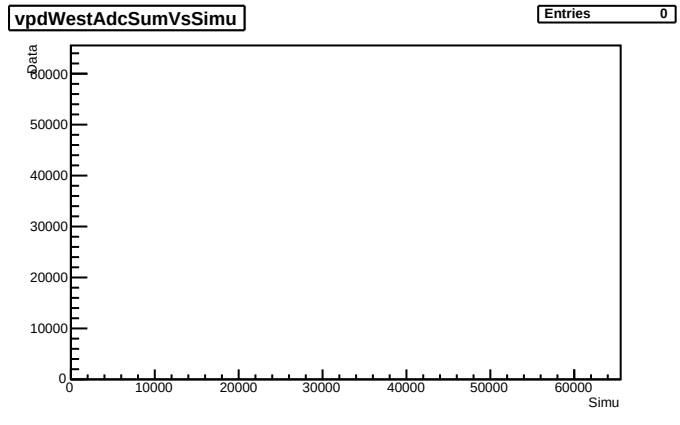
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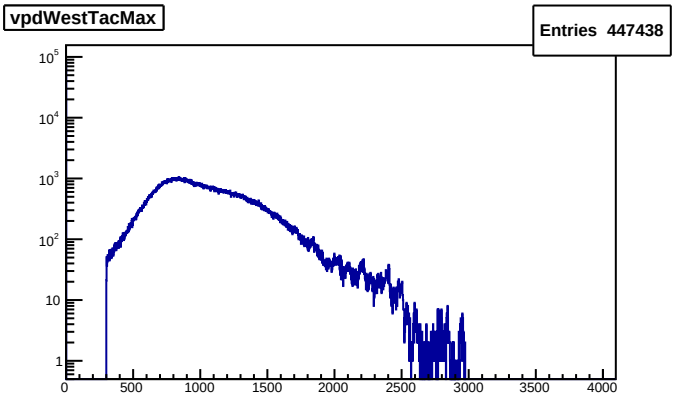
Entries 0
Data
Simu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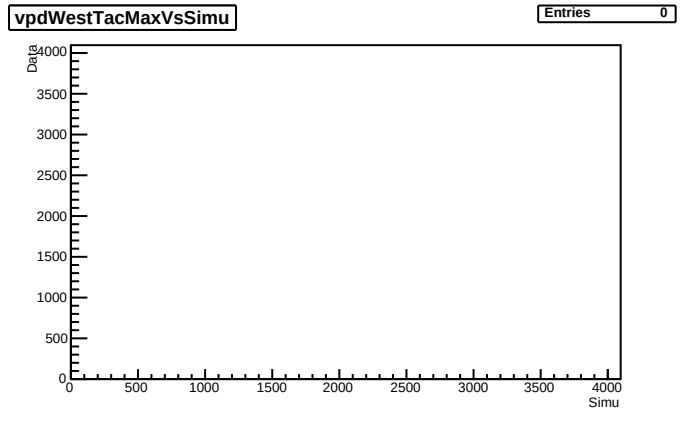
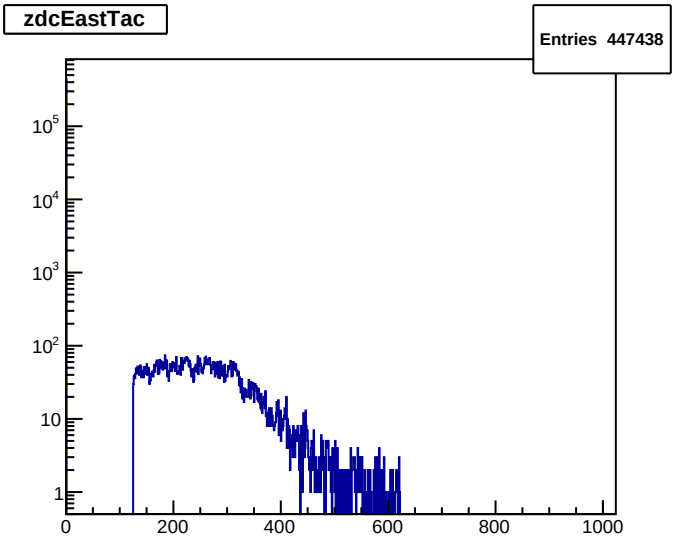
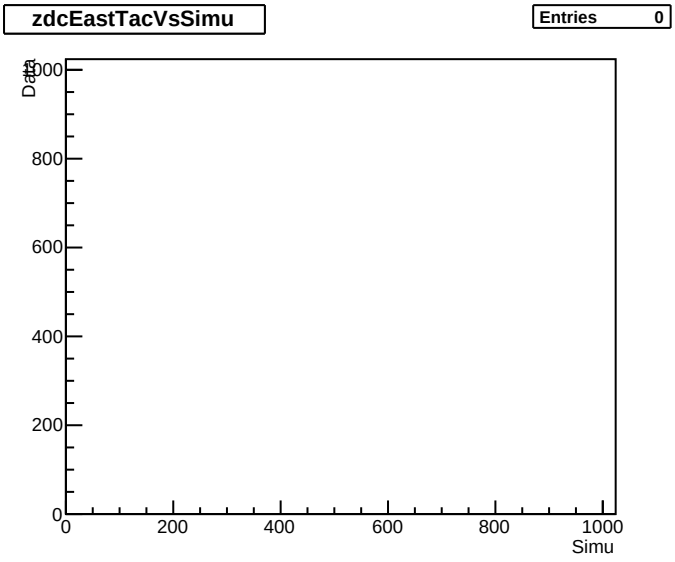
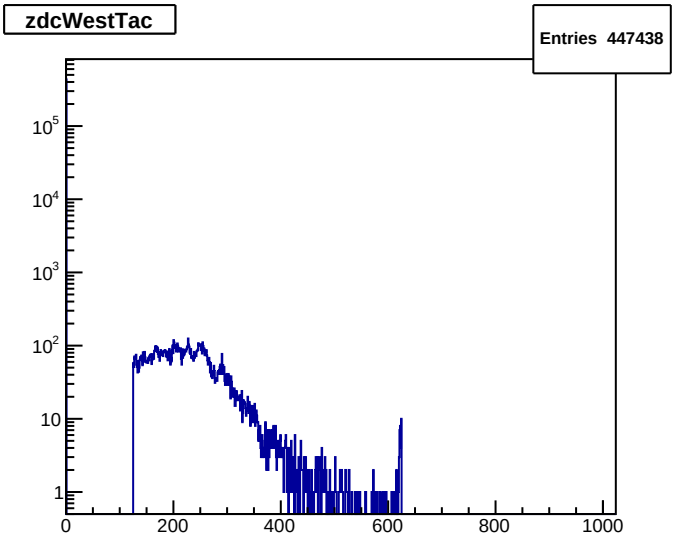
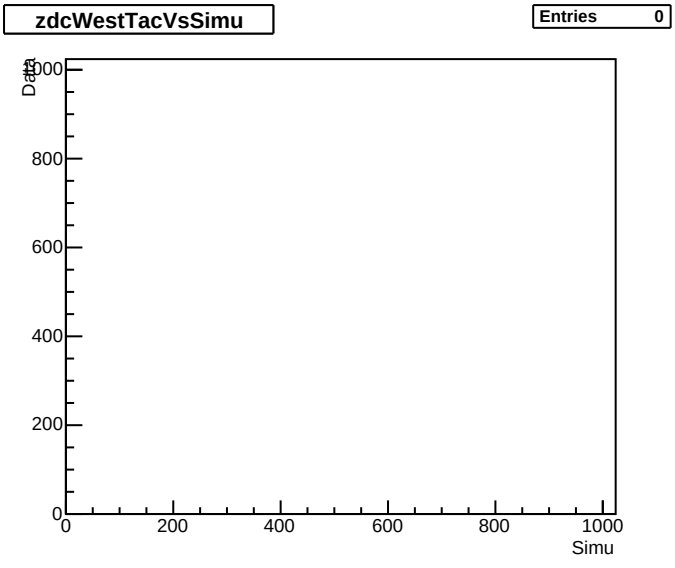
Entries 447438

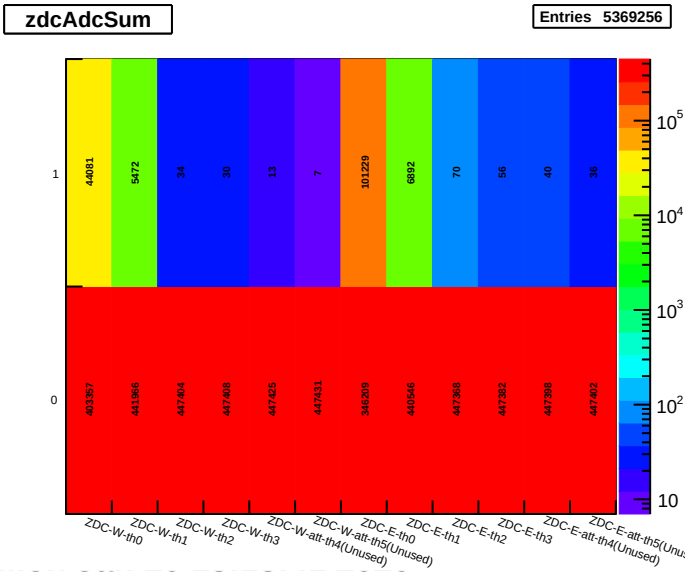

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 447438
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 447438
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 5369256
1
0
44081
5472
34
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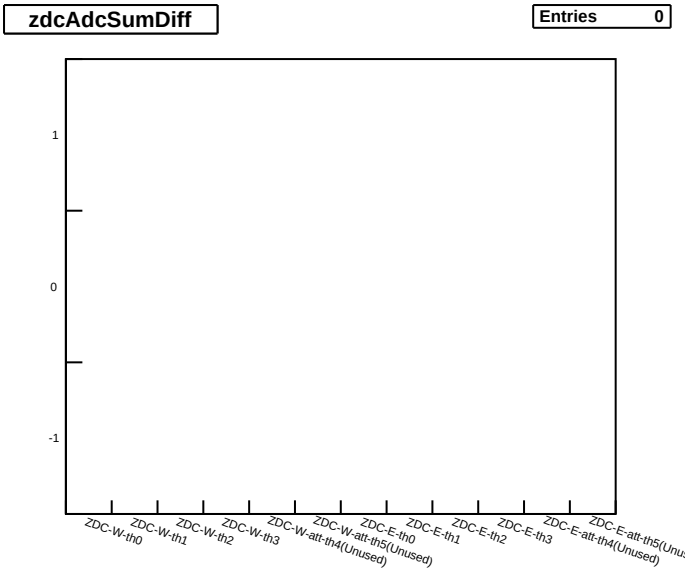
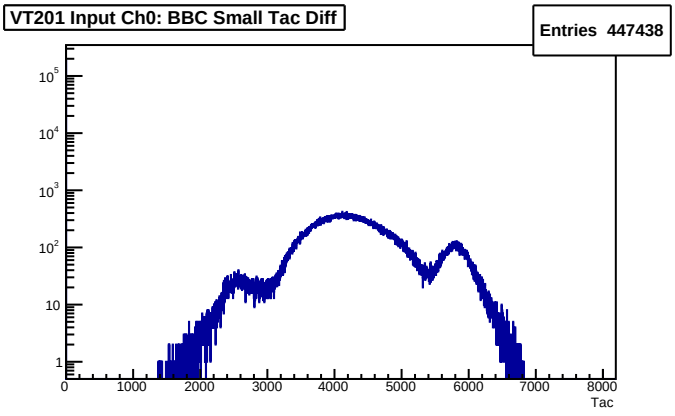
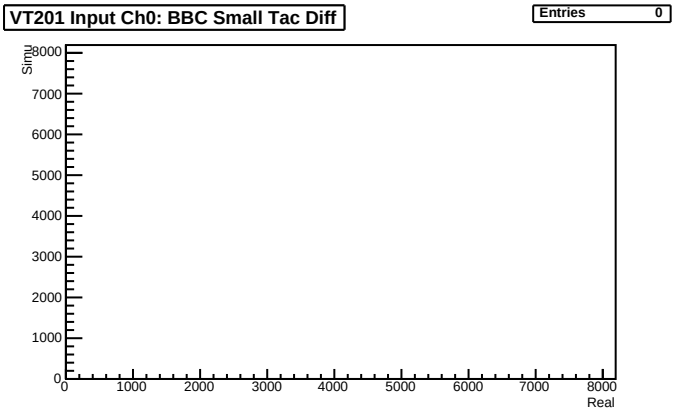
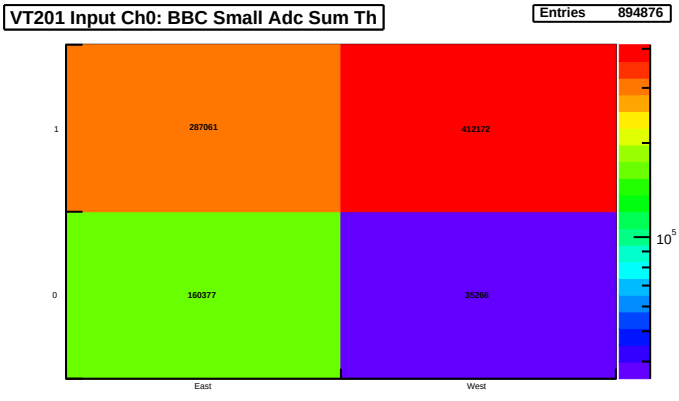
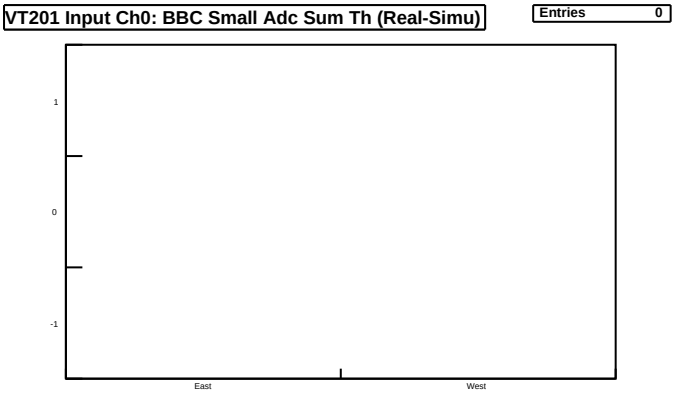
13
7
101229
6892
70
56
40
36
403357
441966
447404
447408
447425
447431
346209
440546
447368
447362
447398
447402
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

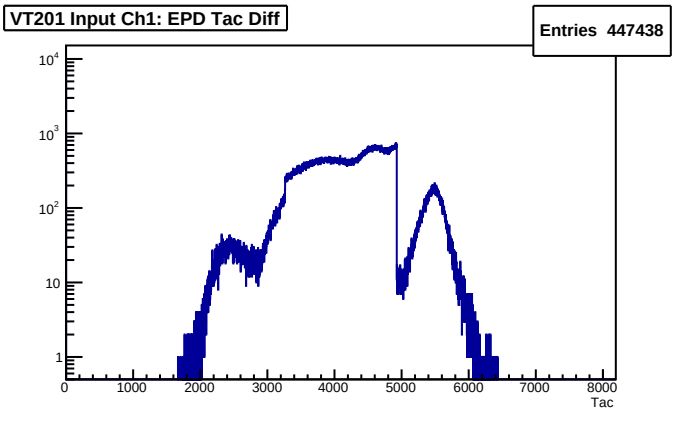

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

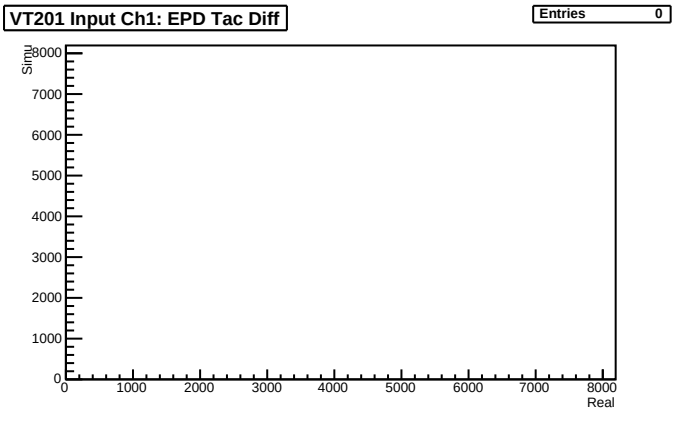

VT201 Input Ch0: BBC Small Tac Diff
Entries 447438
Tac

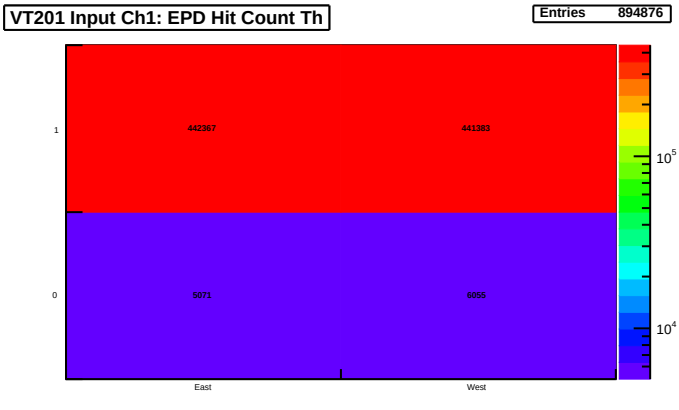

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

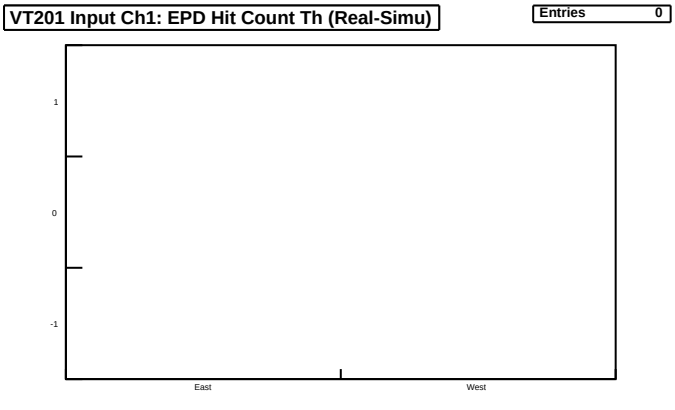

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 894876
287061
412172
160377
35266
East
West

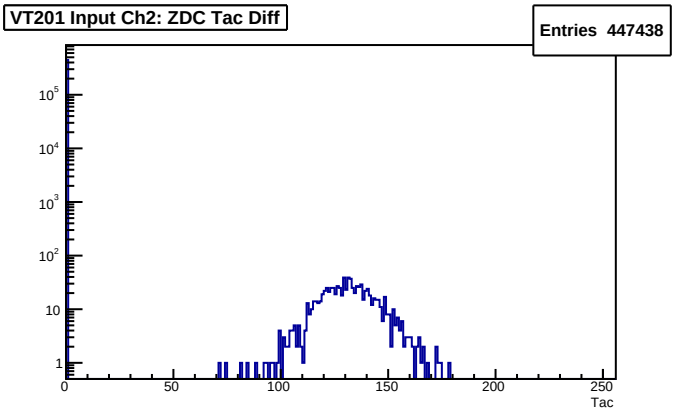

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

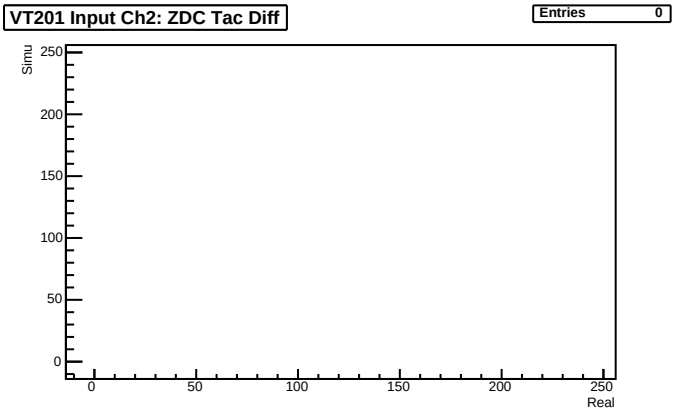

VT201 Input Ch1: EPD Tac Diff
Entries 447438
Tac

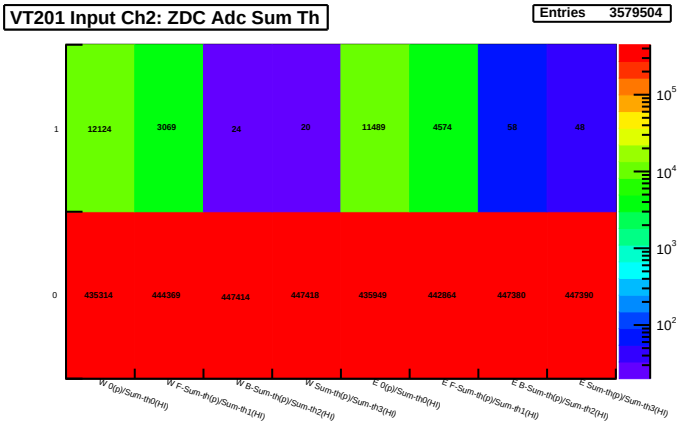

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

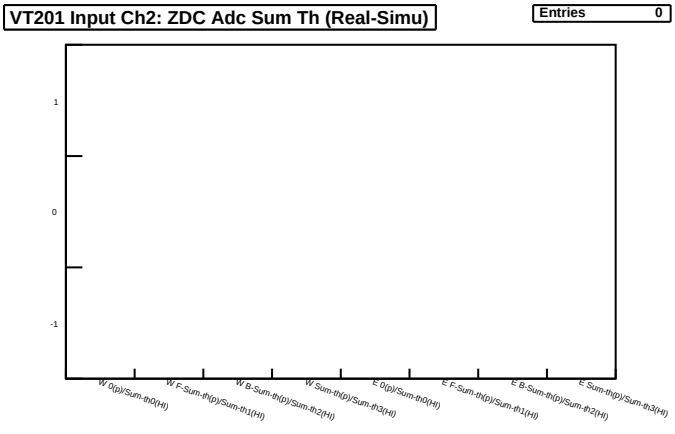

VT201 Input Ch1: EPD Hit Count Th
Entries 894876
442367
441383
5071
6055
East
West

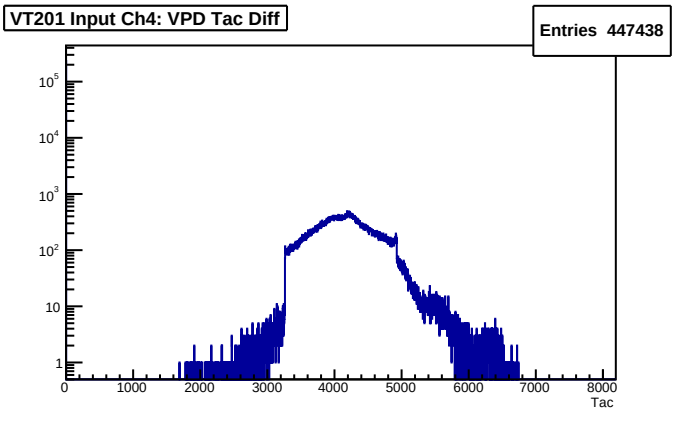

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

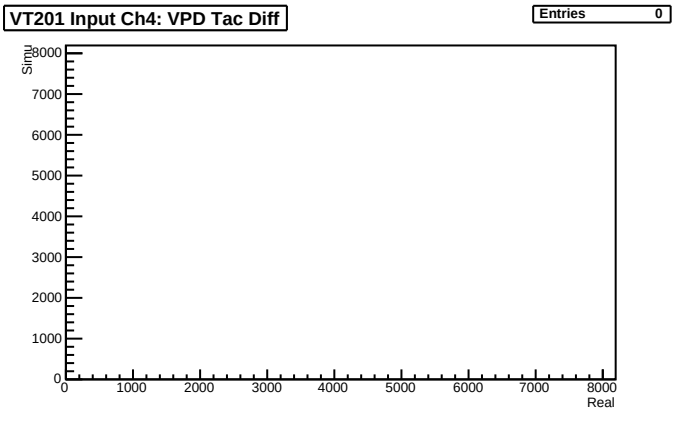

VT201 Input Ch2: ZDC Tac Diff
Entries 447438
Tac

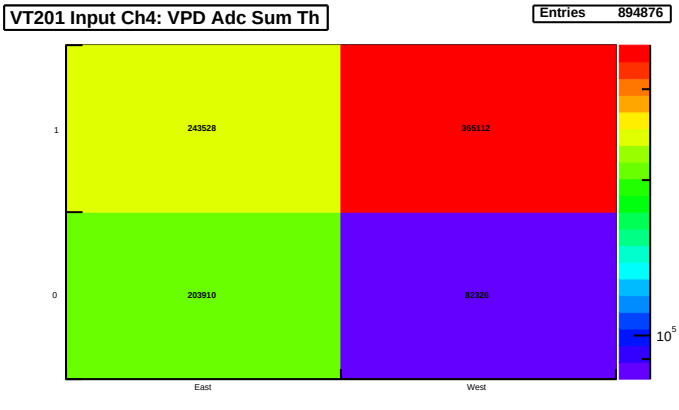

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

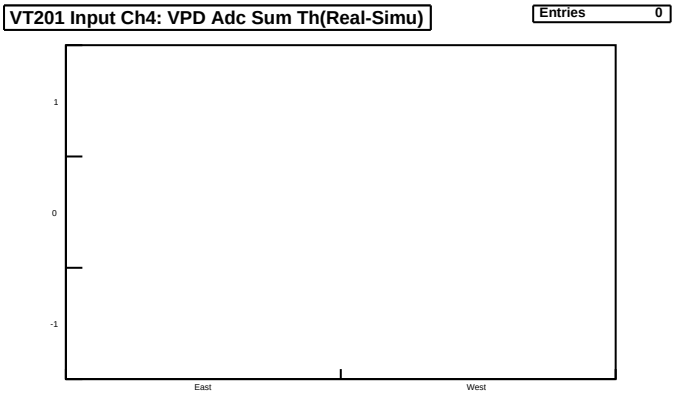

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3579504
12124
3069
24
20
11489
4574
58
48
435314
444369
447414
447418
435949
442864
447380
447390
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

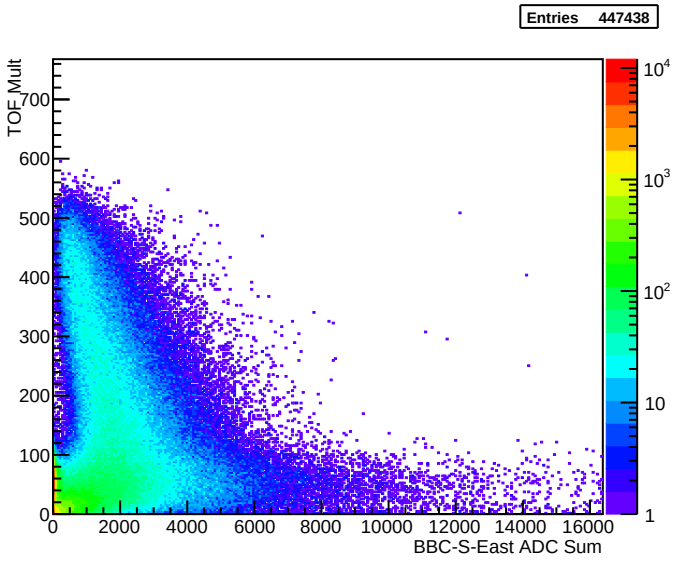

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

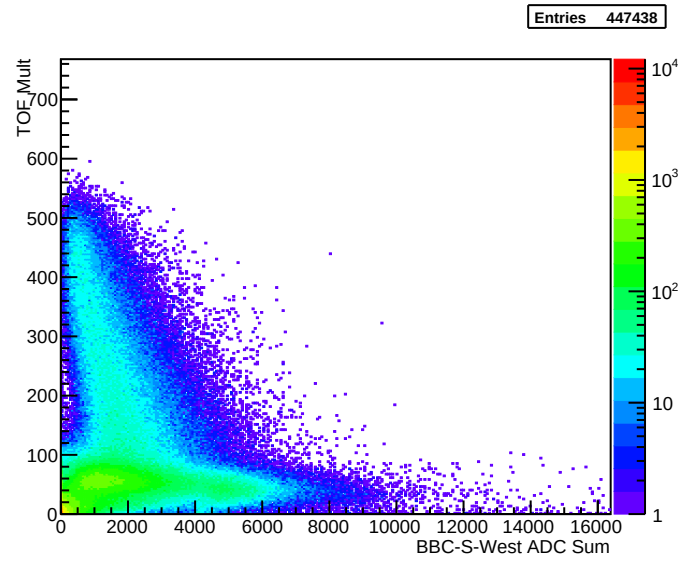

VT201 Input Ch4: VPD Tac Diff
Entries 447438
Tac

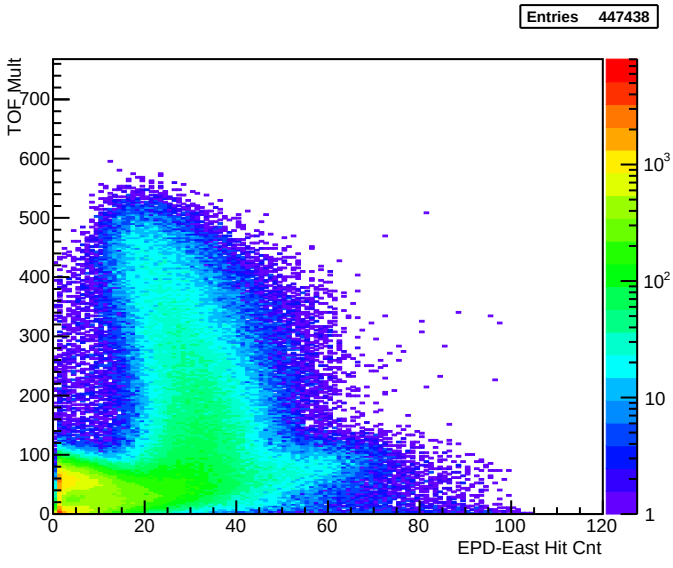

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

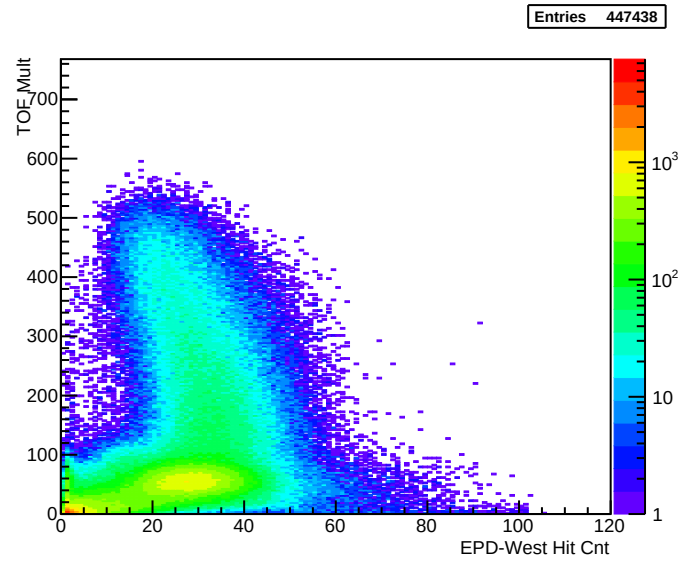

VT201 Input Ch4: VPD Adc Sum Th
Entries 894876
243528
365112
203910
82326
East
West

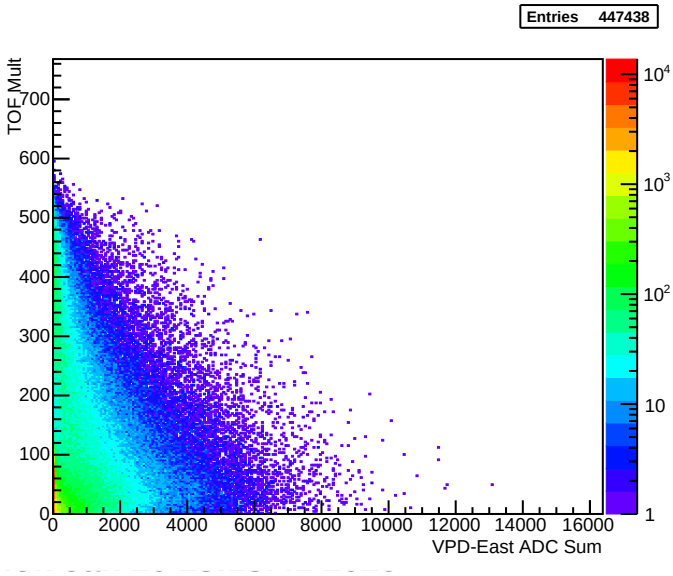

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

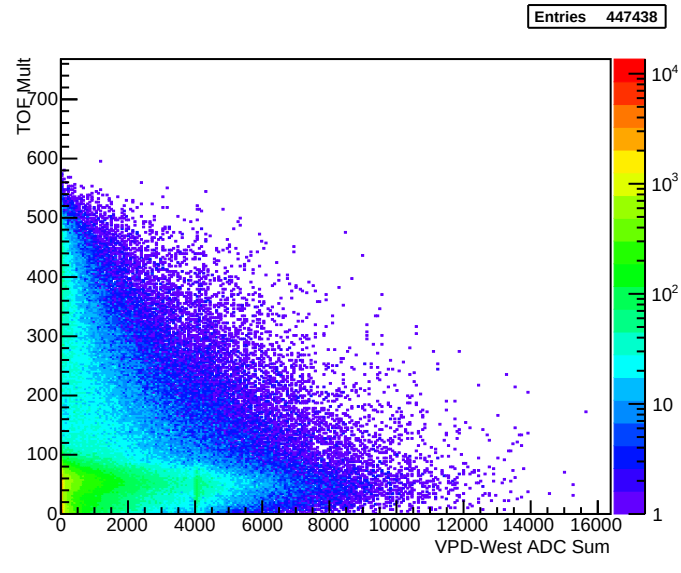

Entries 447438
TOF_Mult
BBC-S-East ADC Sum

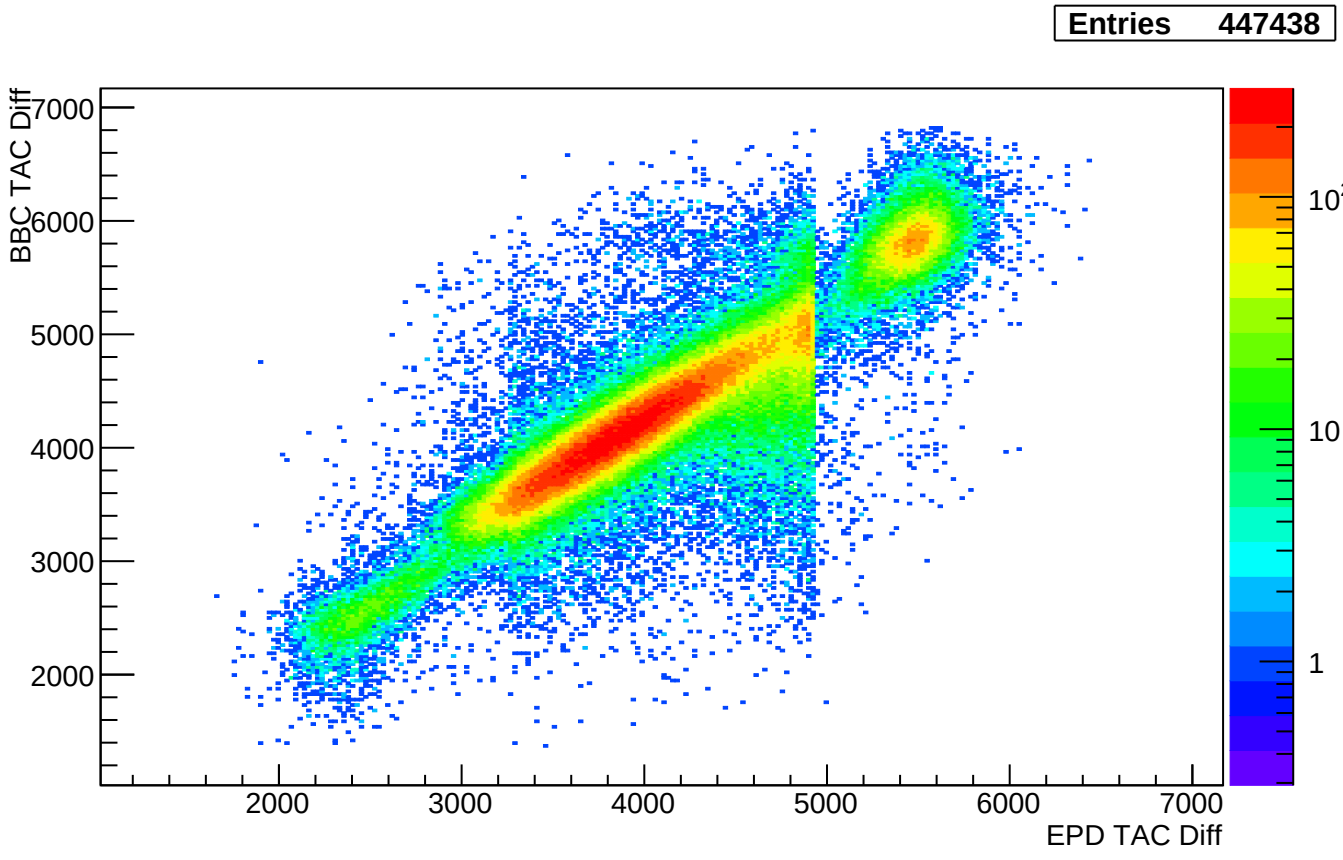

Entries 447438
TOF_Mult
BBC-S-West ADC Sum

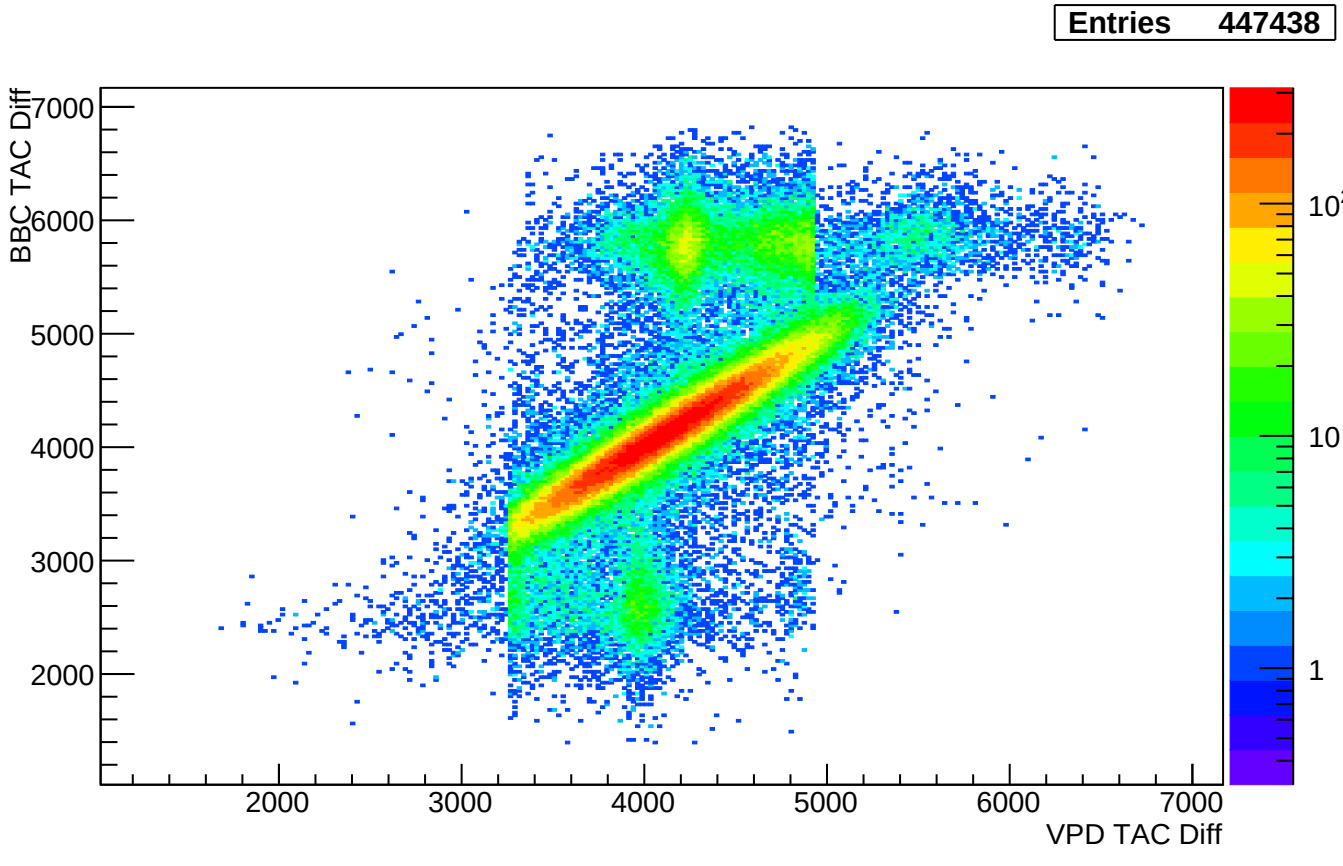

Entries 447438
TOF_Mult
EPD-East Hit Cnt

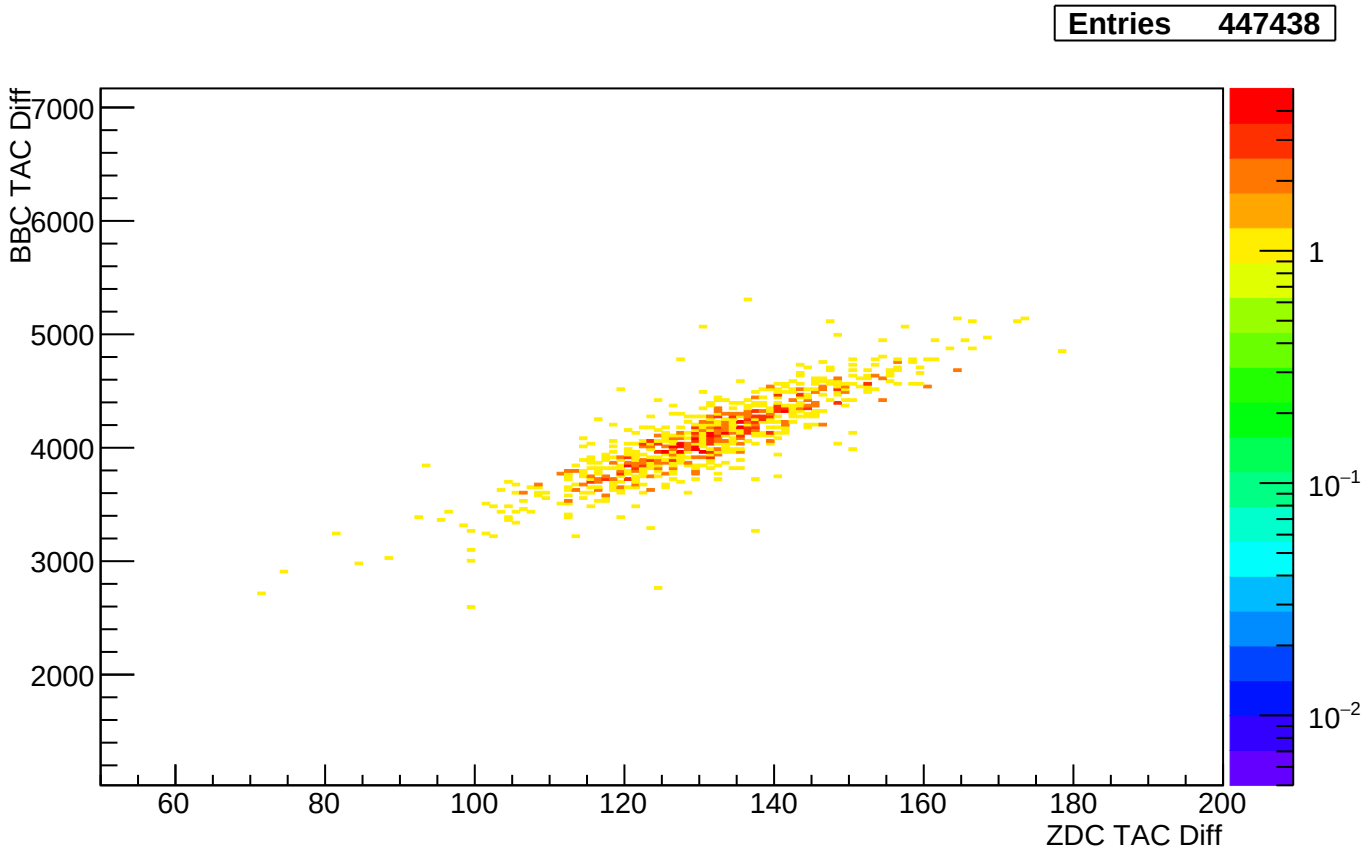

Entries 447438
TOF_Mult
EPD-West Hit Cnt

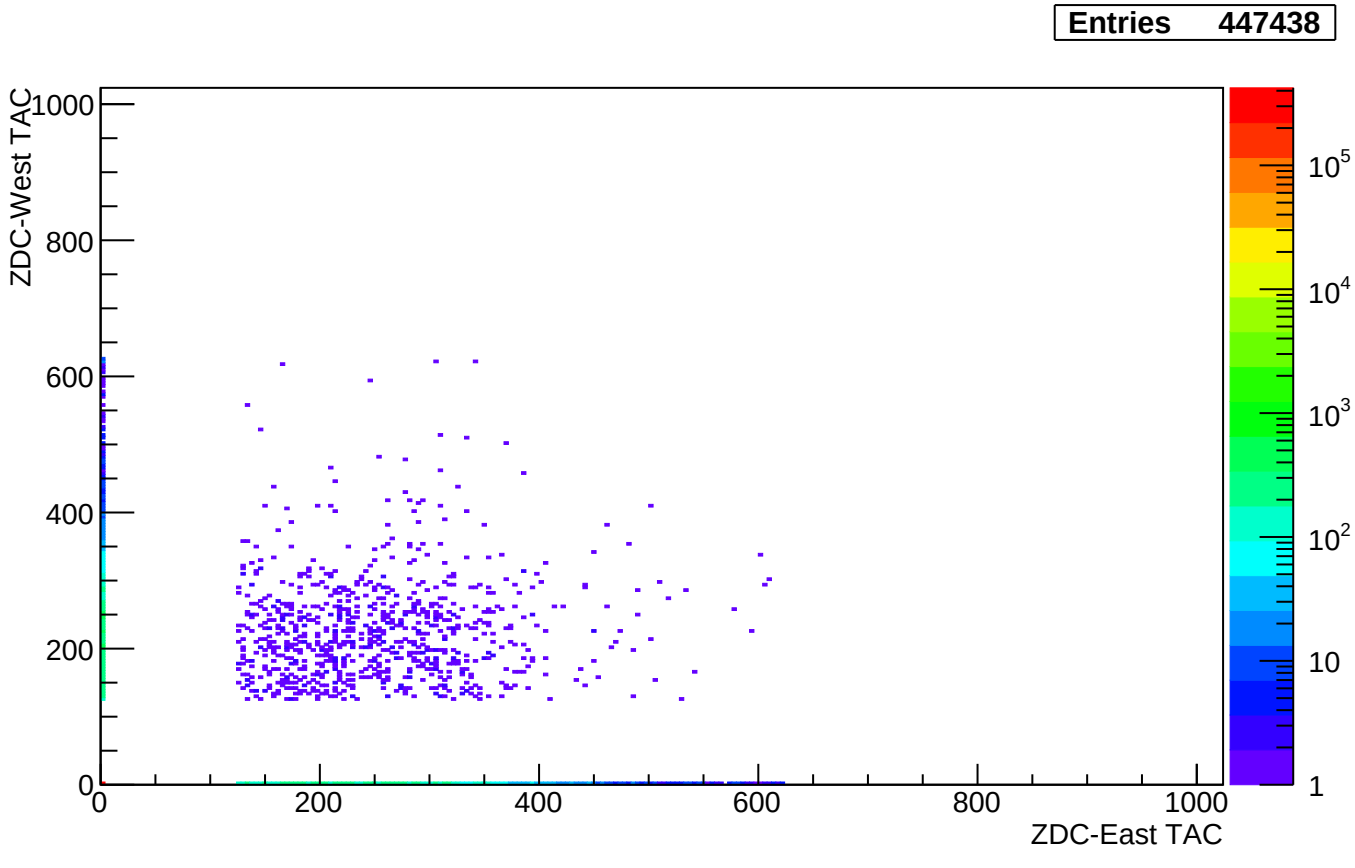

Entries 447438
TOF_Mult
VPD-East ADC Sum

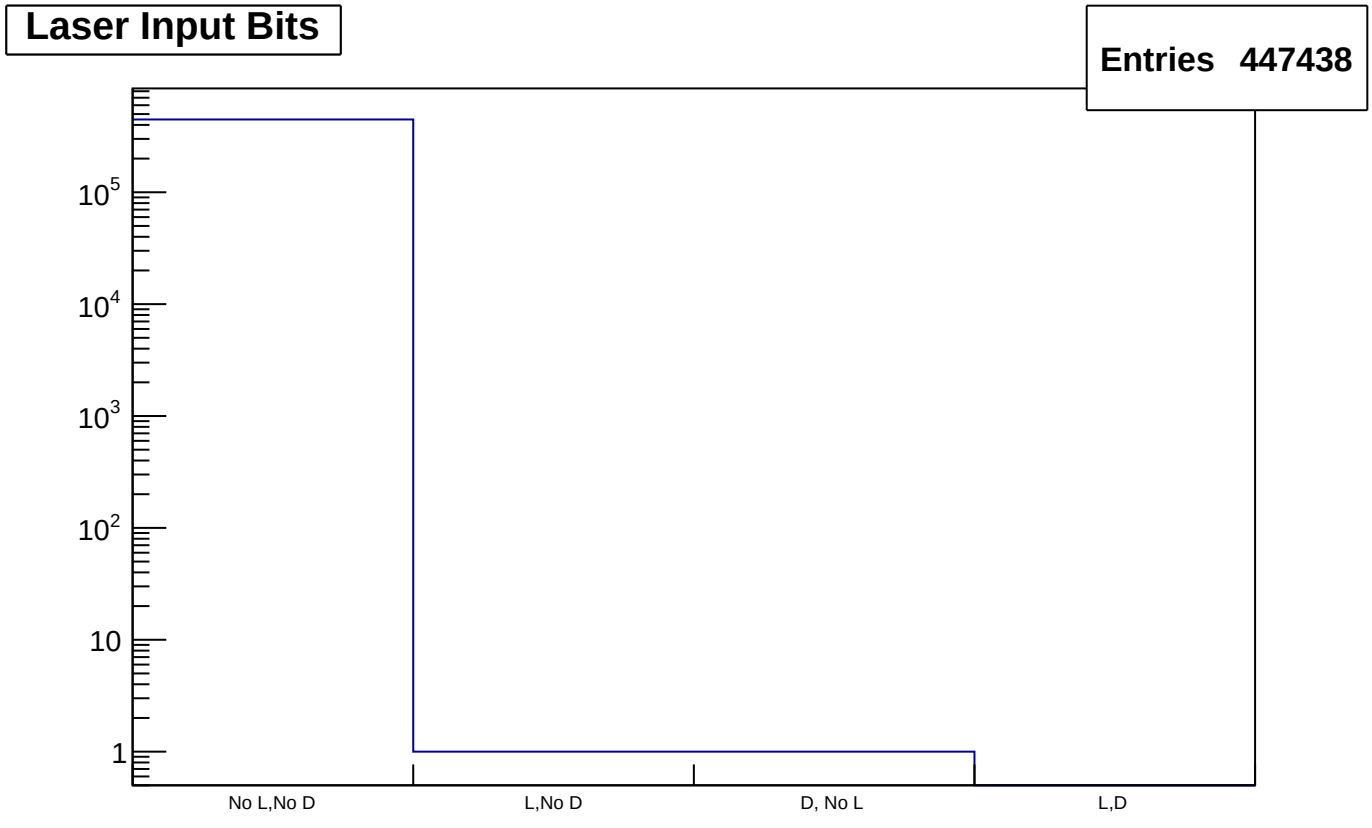

Entries 447438
TOF_Mult
VPD-West ADC Sum

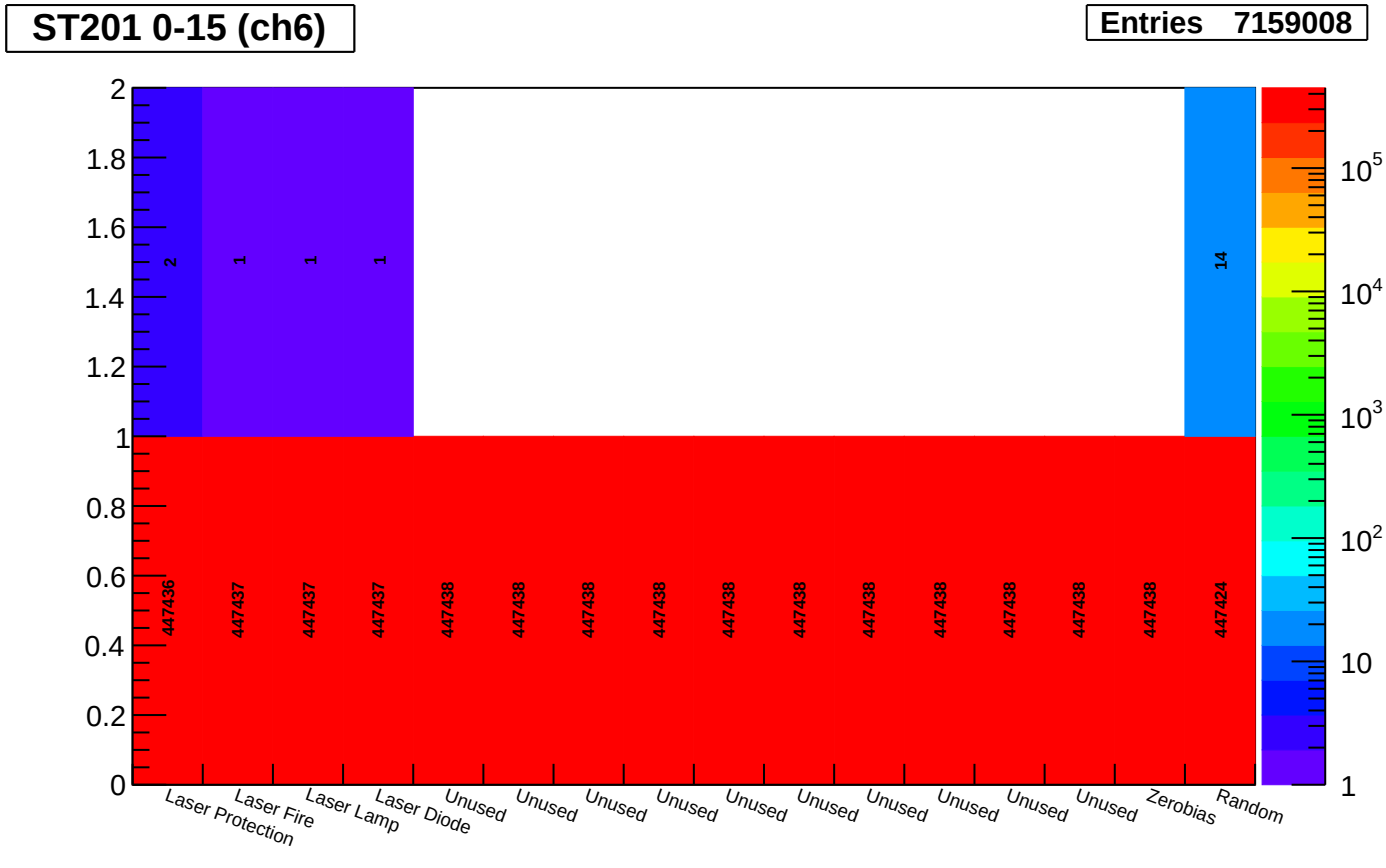

Entries 447438
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

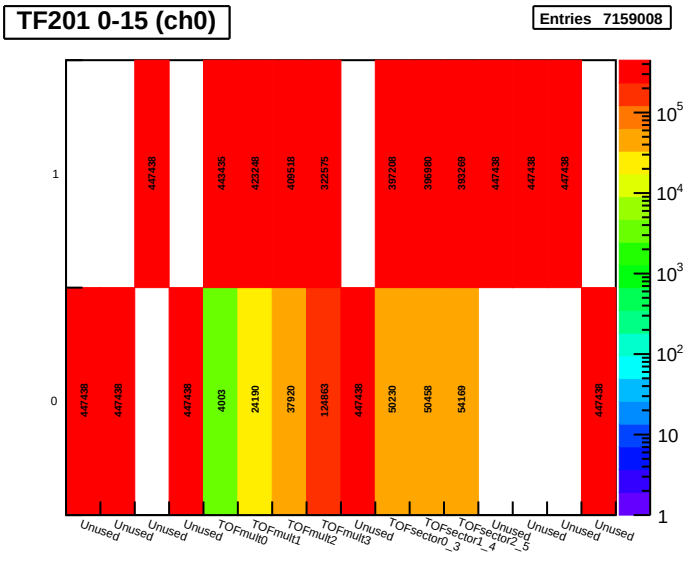

Entries 447438
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

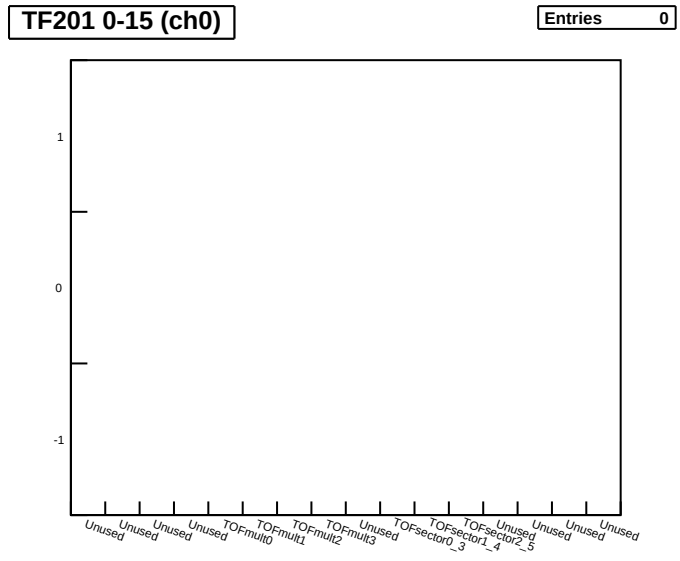

Entries 447438
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

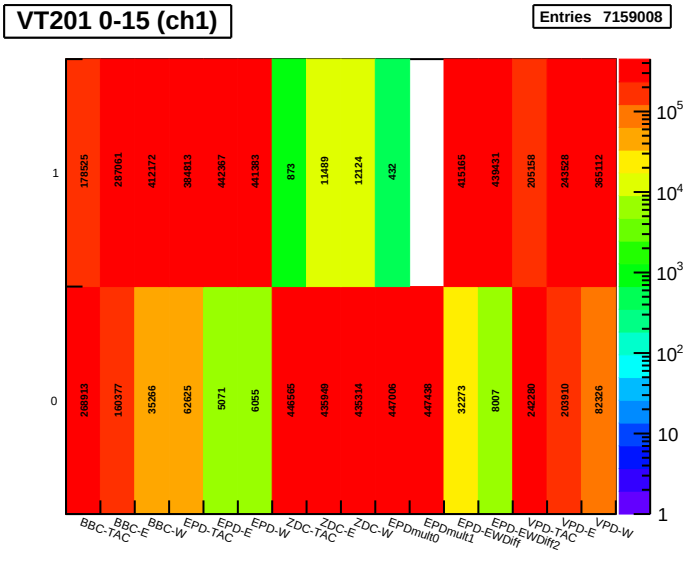

Entries 447438
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

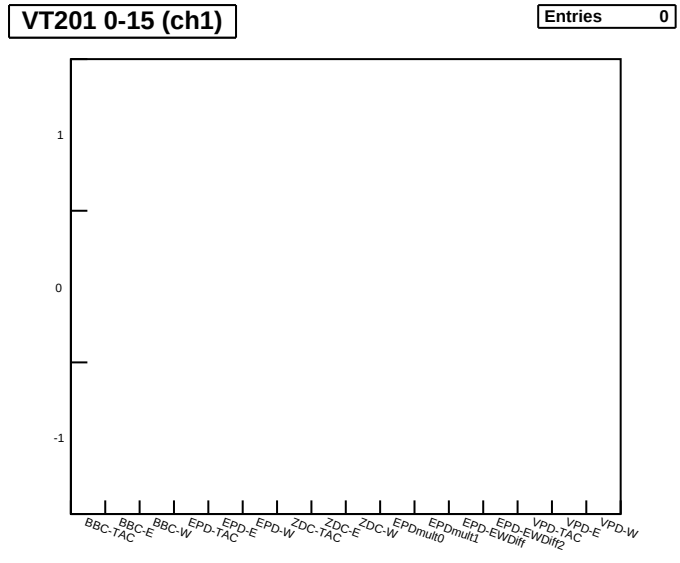

Laser Input Bits
Entries 447438
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

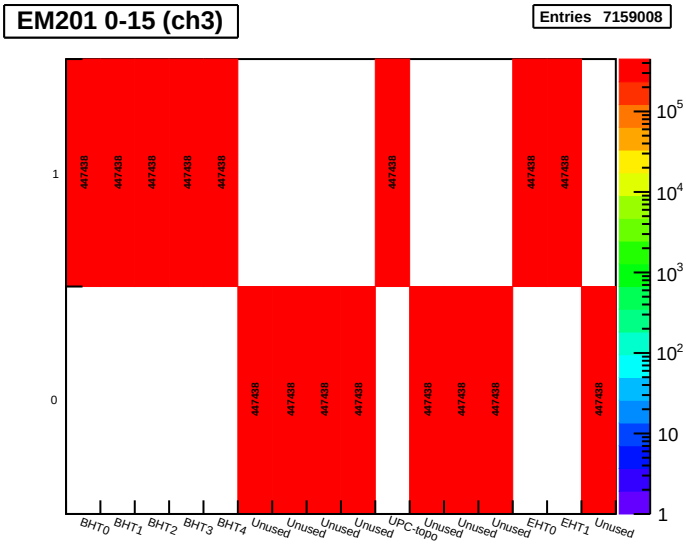

ST201 0-15 (ch6)
Entries 7159008
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2
1
1
1
14
447436
447437
447437
447437
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
447424
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

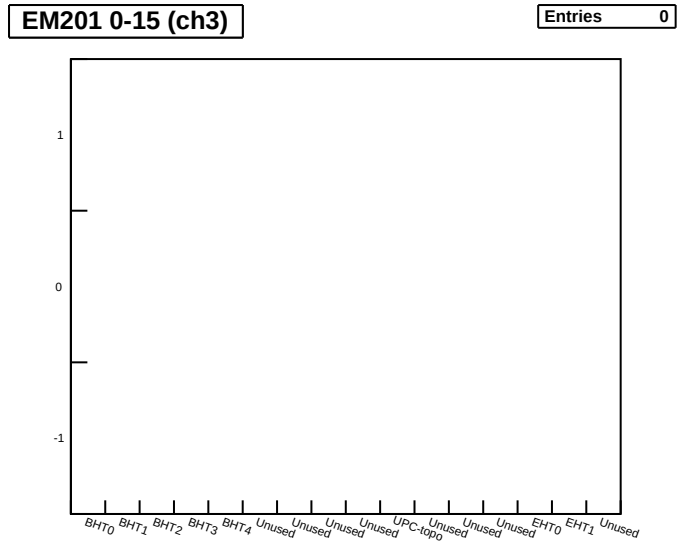

TF201 0-15 (ch0)
Entries 7159008
1
0
447438
447438
447438
447438
447438
463435
423248
409518
322575
397208
396980
393269
447438
447438
447438
4003
24190
37920
124863
447438
50230
50458
54169
447438
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 7159008
1
0
178525
297061
412172
384813
442367
441383
873
11489
12124
432
415165
439431
205158
243528
365112
268913
160377
35266
62625
5071
6055
446565
439949
435314
447006
447438
32273
8007
242280
203910
82326
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 7159008
1
0
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
447438
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