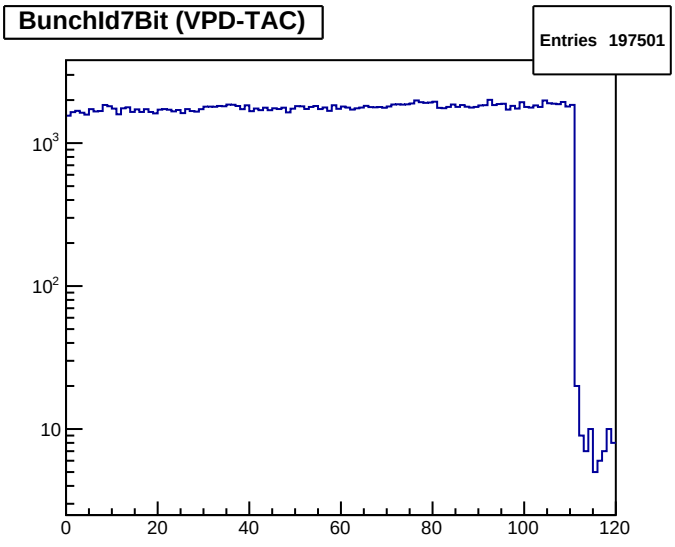
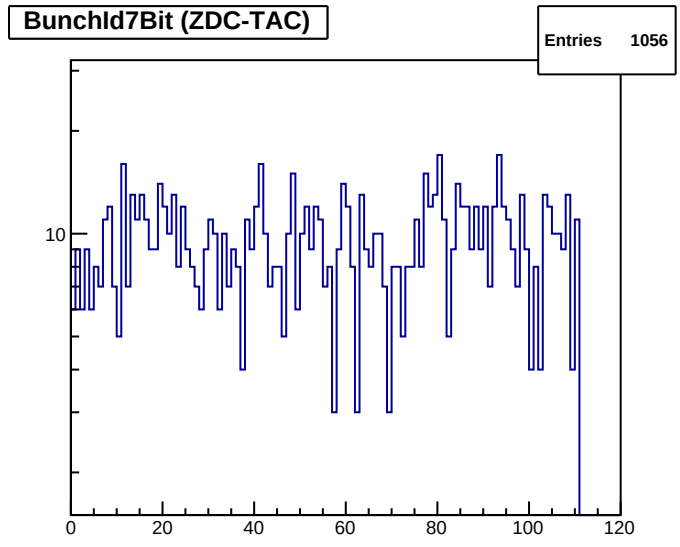
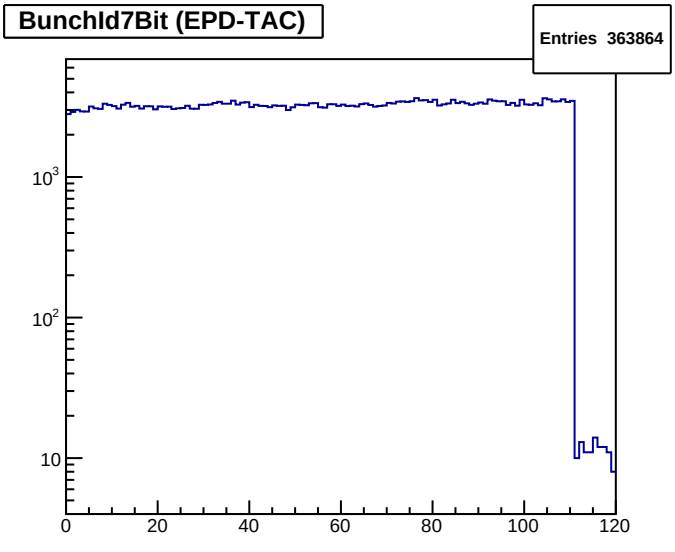
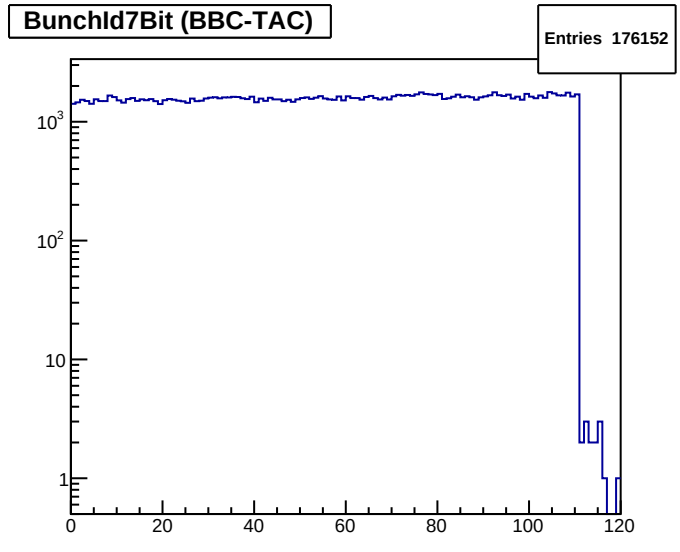
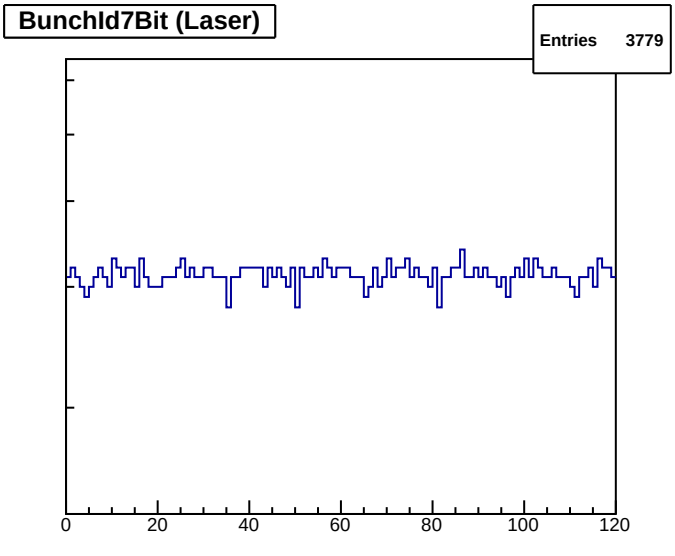
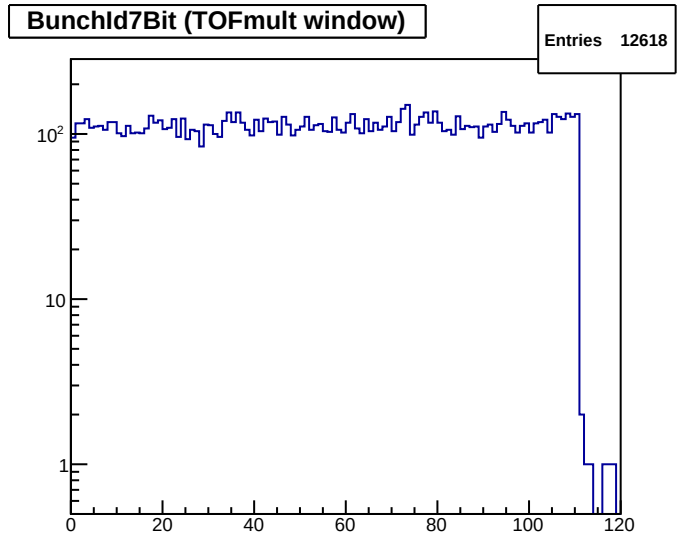

BunchId7Bit (VPD-TAC)
Entries 197501
10^3
10^2
10
0 20 40 60 80 100 120

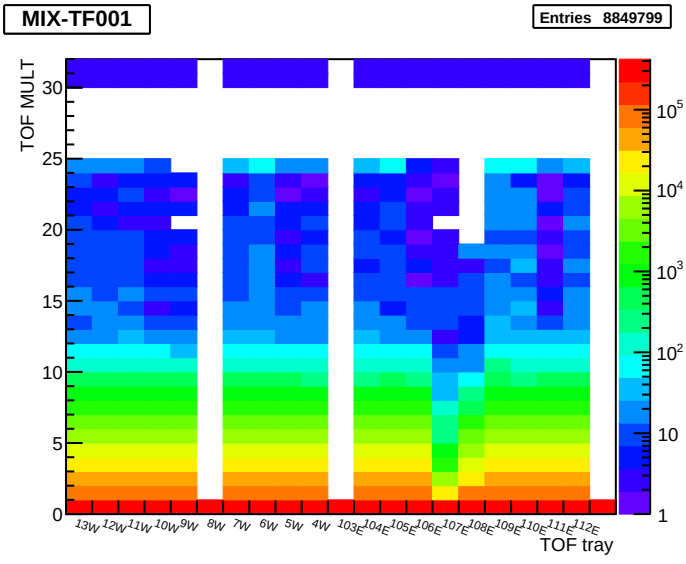

BunchId7Bit (ZDC-TAC)
Entries 1056
10
0 20 40 60 80 100 120

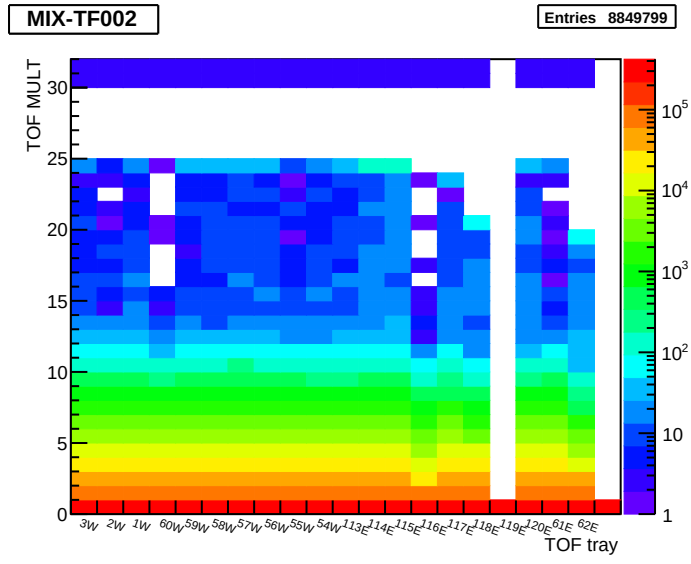

BunchId7Bit (EPD-TAC)
Entries 363864
10^3
10^2
10
0 20 40 60 80 100 120

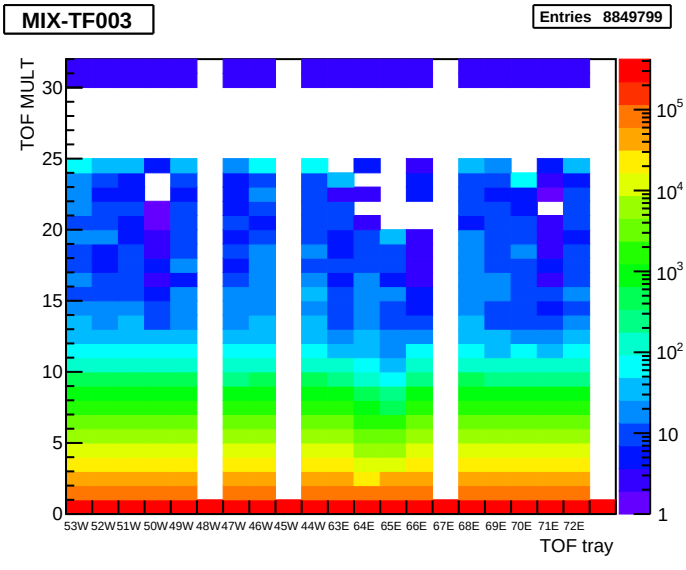

BunchId7Bit (BBC-TAC)
Entries 176152
10^3
10^2
10
1
0 20 40 60 80 100 120

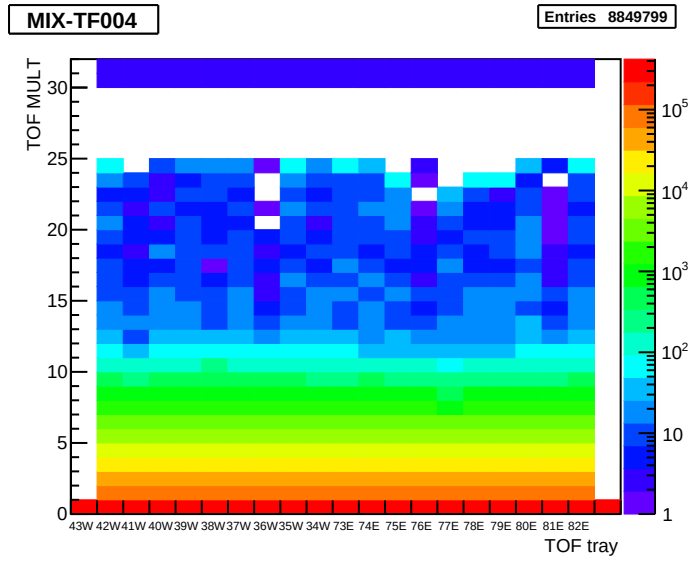

BunchId7Bit (Laser)
Entries 3779
0 20 40 60 80 100 120

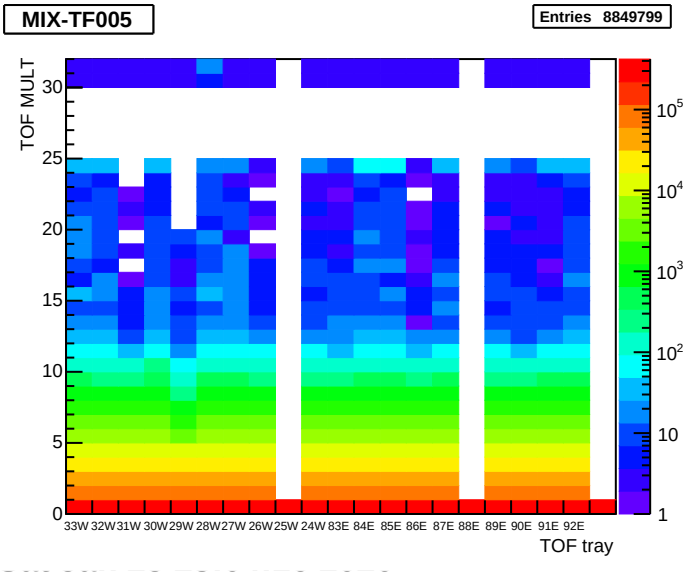

BunchId7Bit (TOFmult window)
Entries 12618
10^2
10
1
0 20 40 60 80 100 120

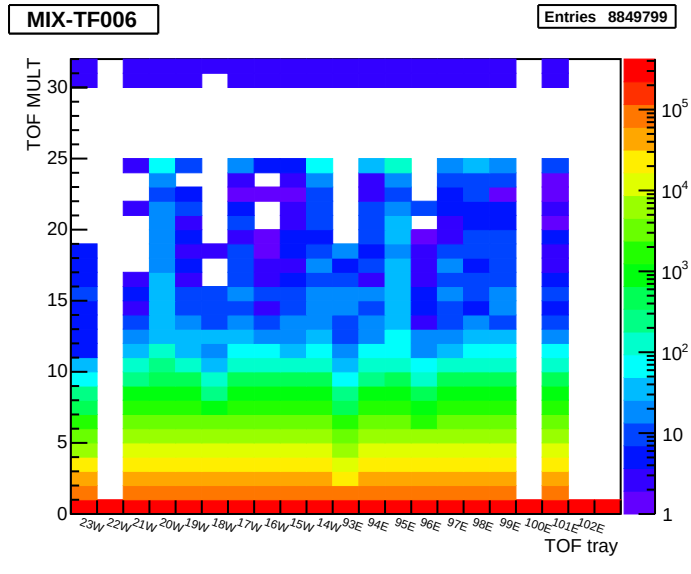

MIX-TF001
Entries 8849799
TOF MULT
TOF tray

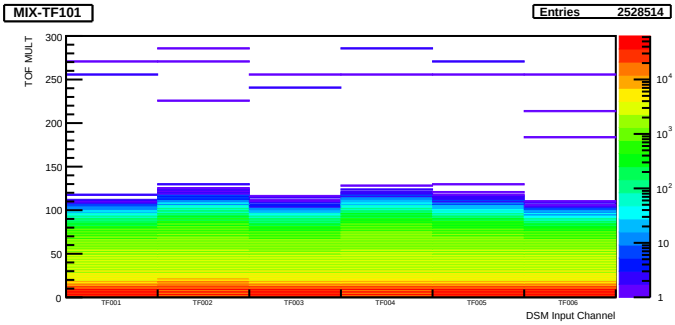

MIX-TF002
Entries 8849799
TOF MULT
TOF tray

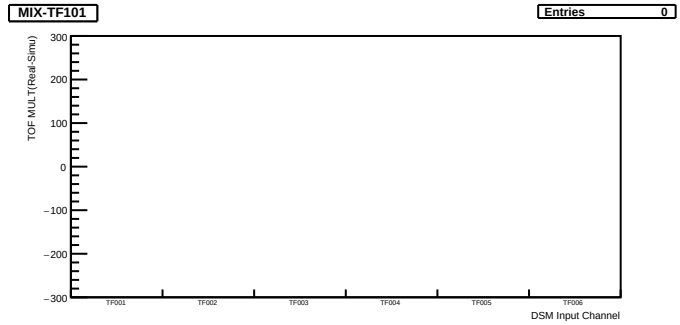

MIX-TF003
Entries 8849799
TOF MULT
TOF tray

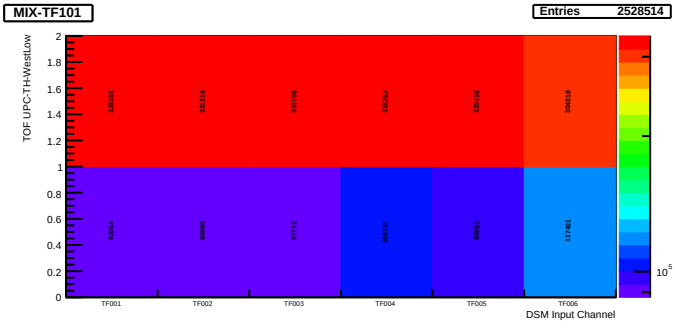

MIX-TF004
Entries 8849799
TOF MULT
TOF tray

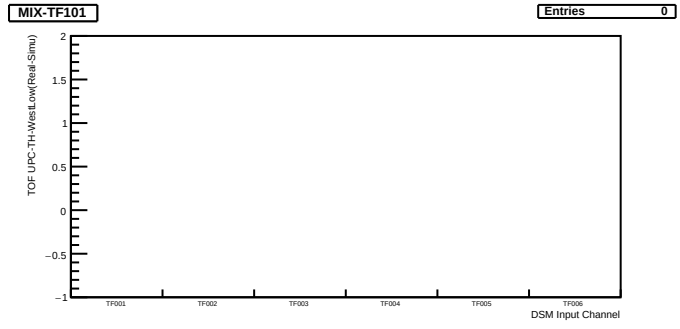

MIX-TF005
Entries 8849799
TOF MULT
TOF tray

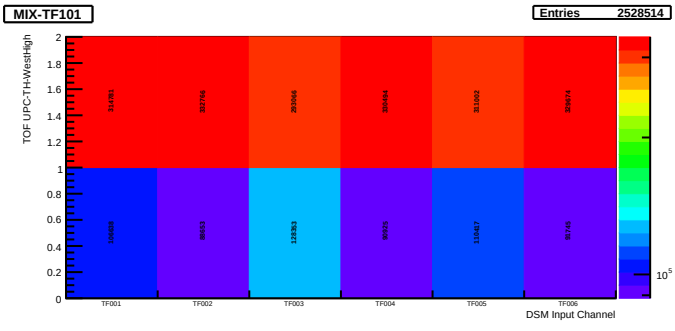

MIX-TF006
Entries 8849799
TOF MULT
TOF tray

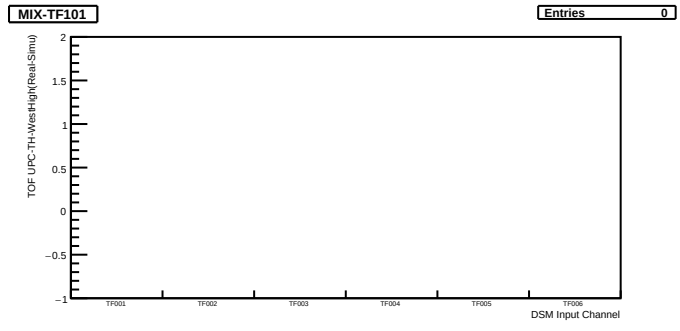

MIX-TF101
Entries 2528514
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

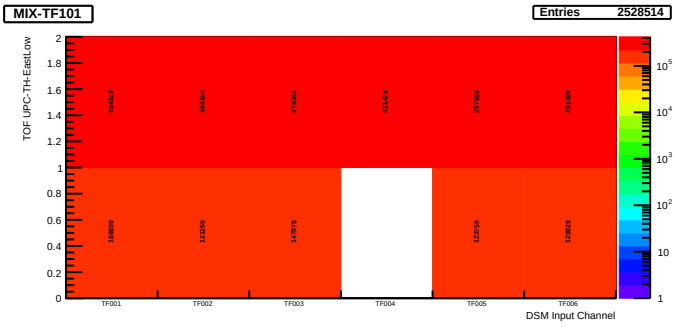

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

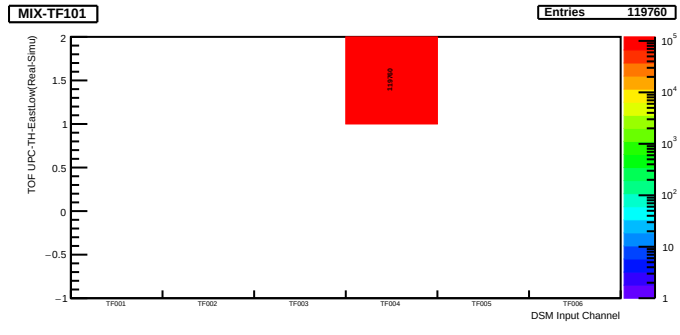

MIX-TF101
Entries 2528514
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

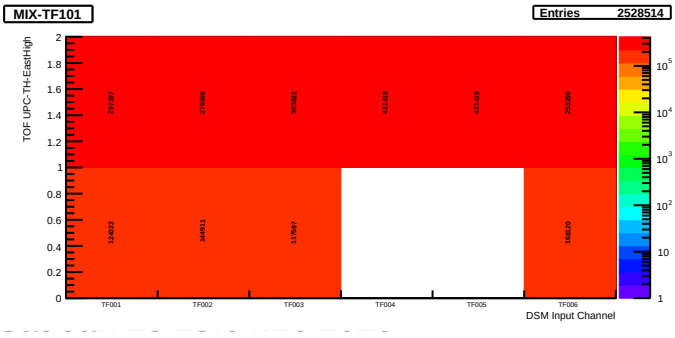

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

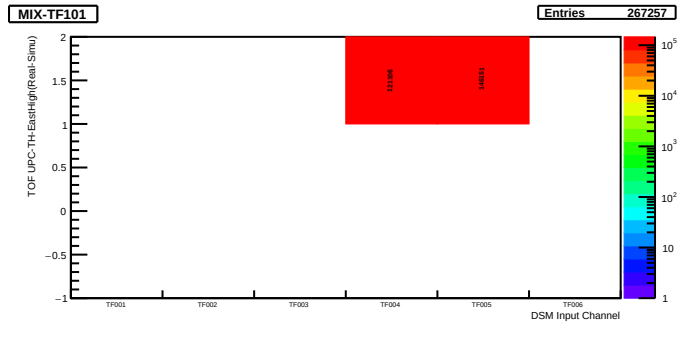

MIX-TF101
Entries 2528514
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

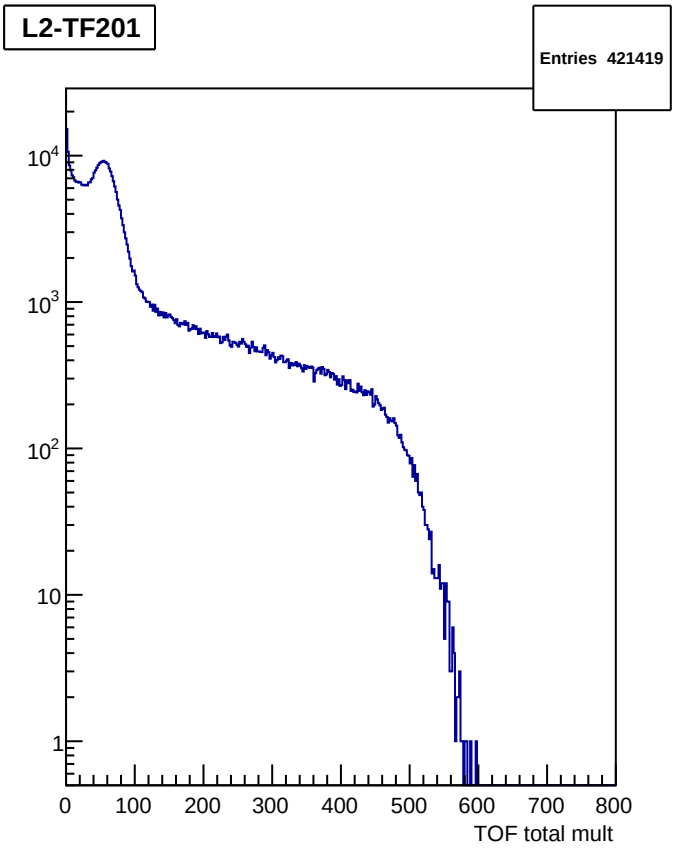

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

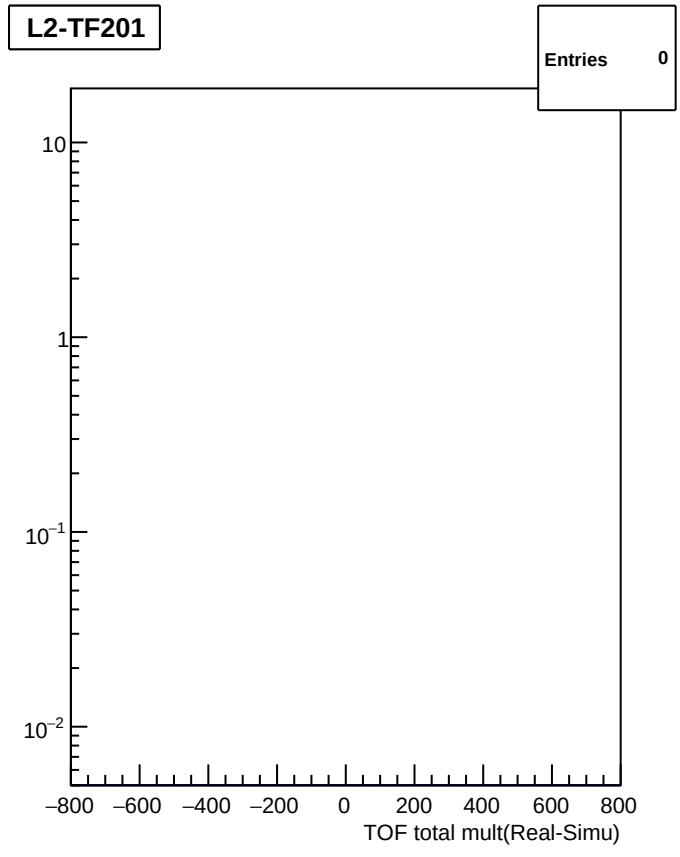

MIX-TF101
Entries 2528514
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

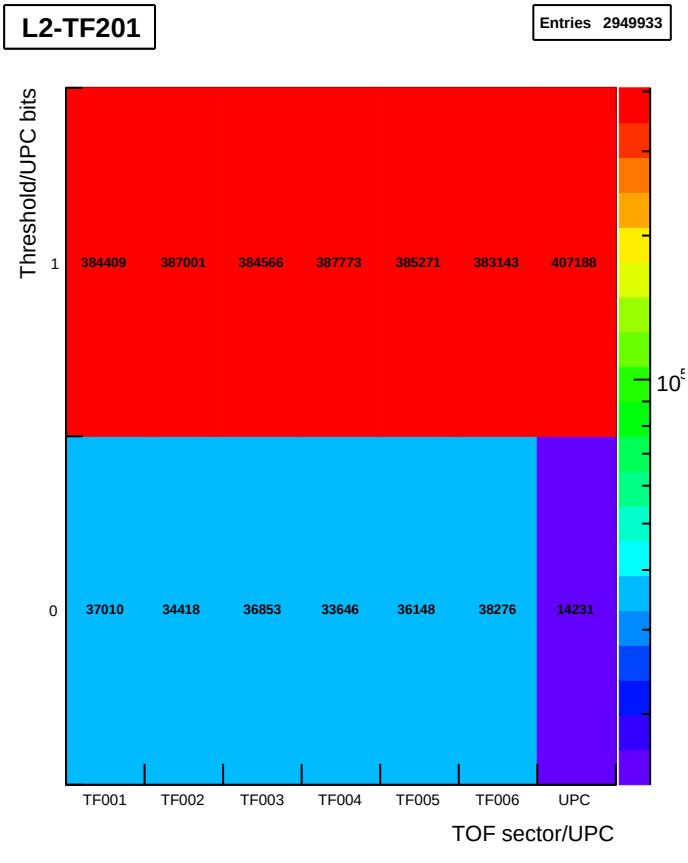

MIX-TF101
Entries 119760
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

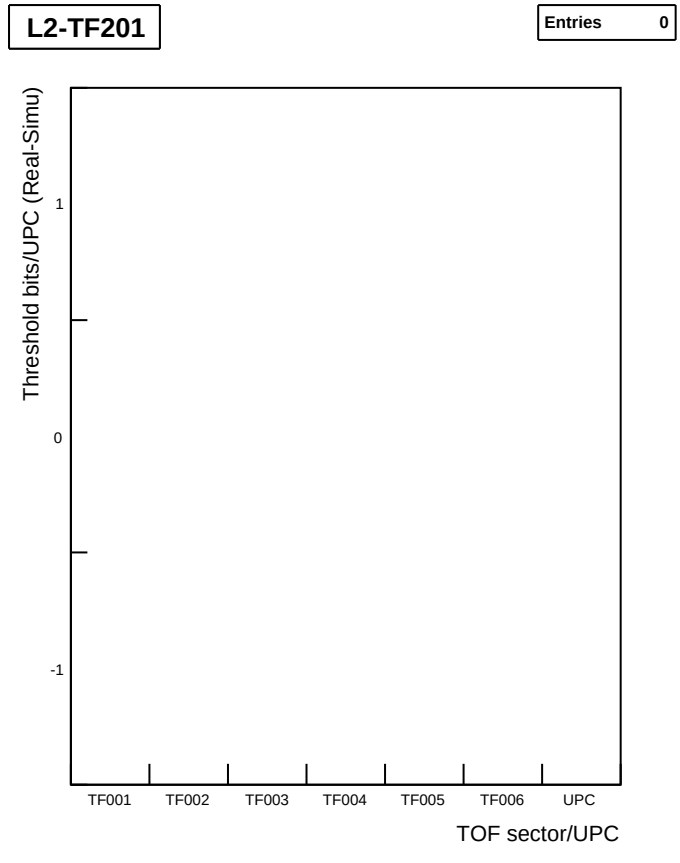

MIX-TF101
Entries 2528514
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

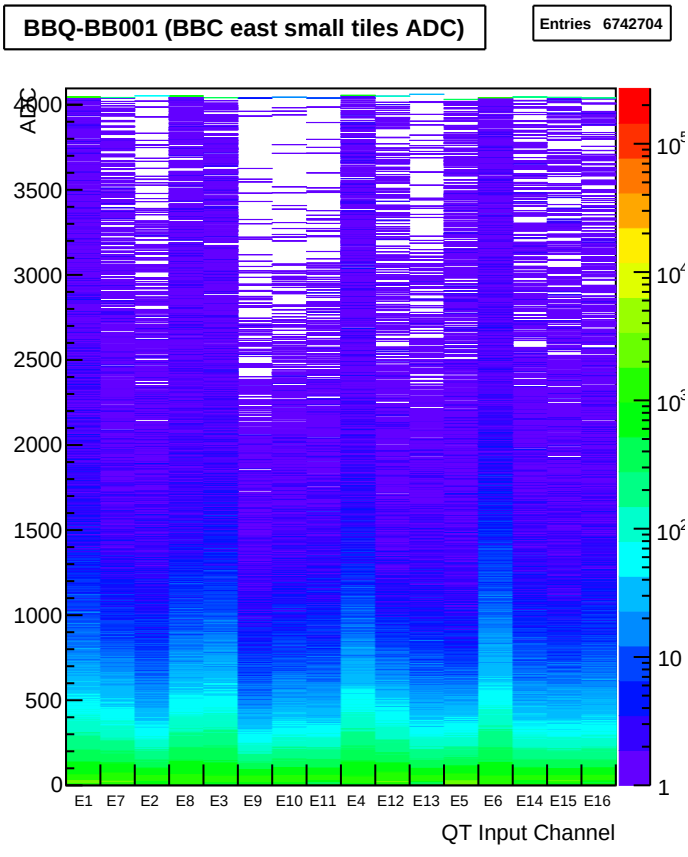

MIX-TF101
Entries 267257
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

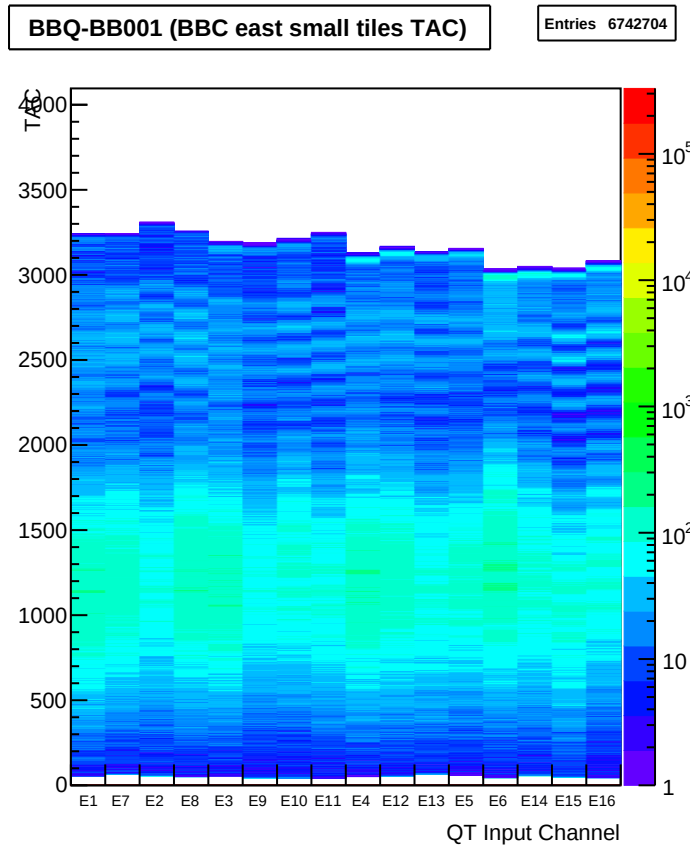

L2-TF201
Entries 421419
TOF total mult

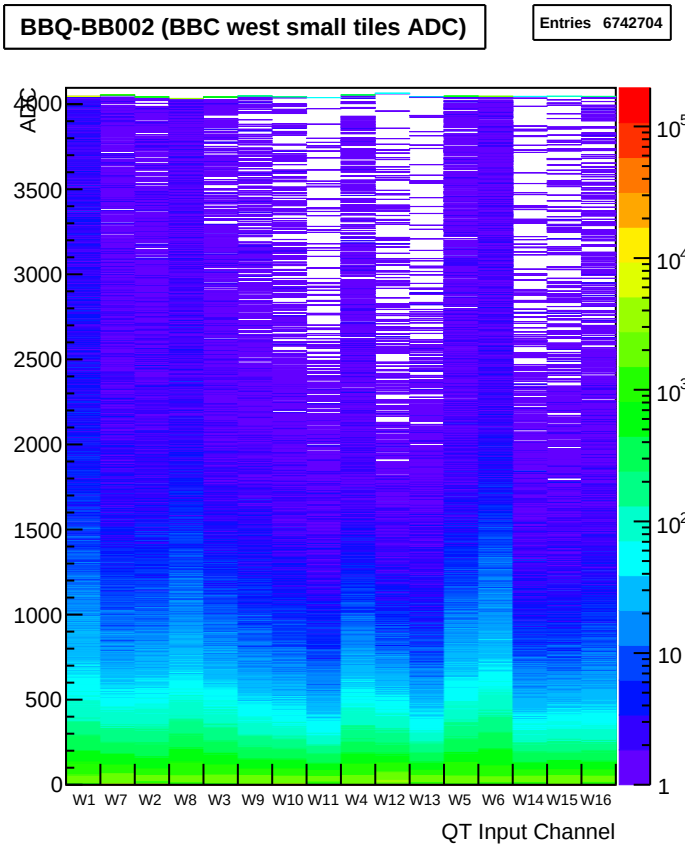

L2-TF201
Entries 0
TOF total mult(Real-Simu)

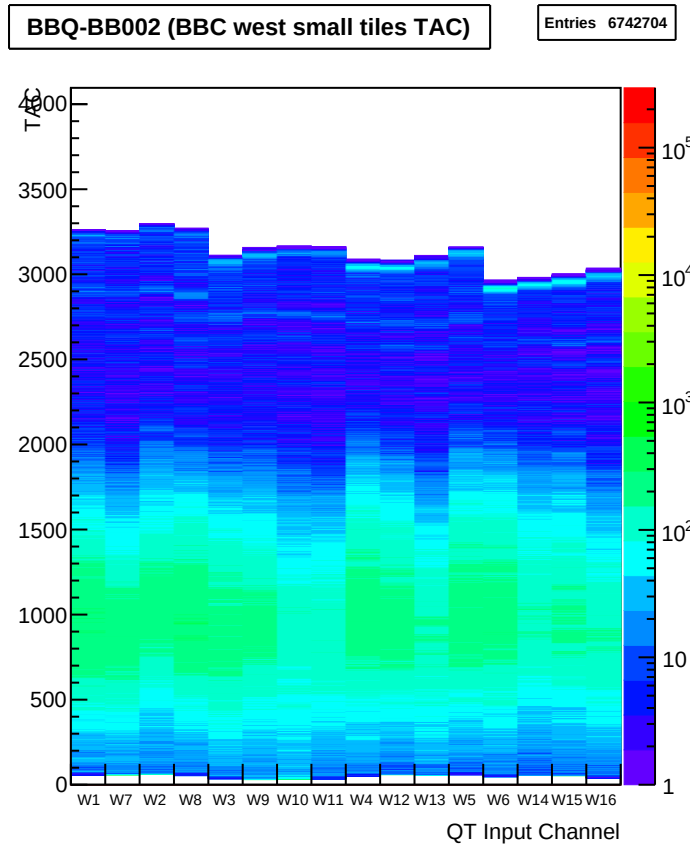

L2-TF201
Entries 2949933
Threshold/UPC bits
384409
387001
384566
387773
385271
383143
407188
37010
34418
36853
33646
36148
38276
14231
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

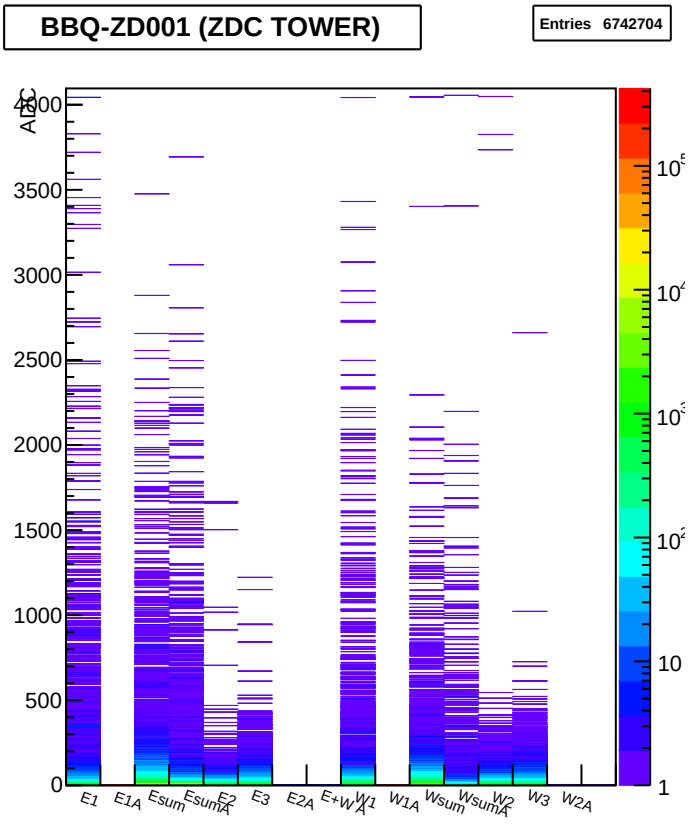

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

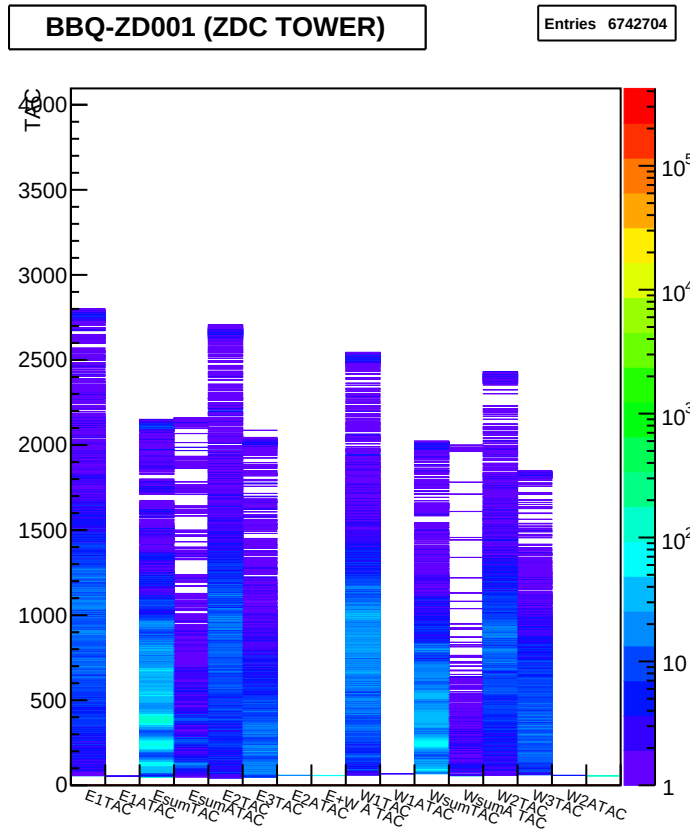

BBQ-BB001 (BBC east small tiles ADC)
Entries 6742704
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

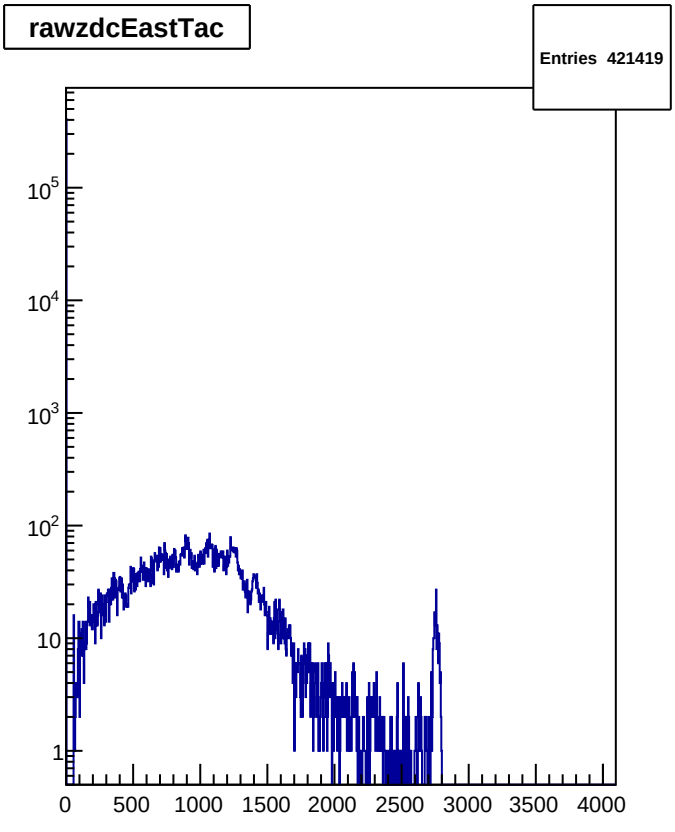

BBQ-BB001 (BBC east small tiles TAC)
Entries 6742704
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

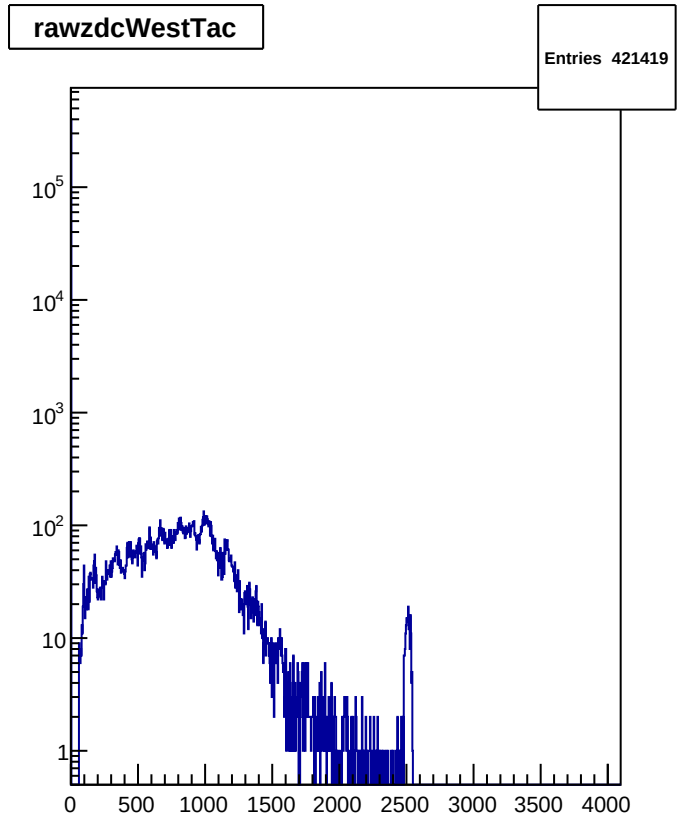

BBQ-BB002 (BBC west small tiles ADC)
Entries 6742704
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

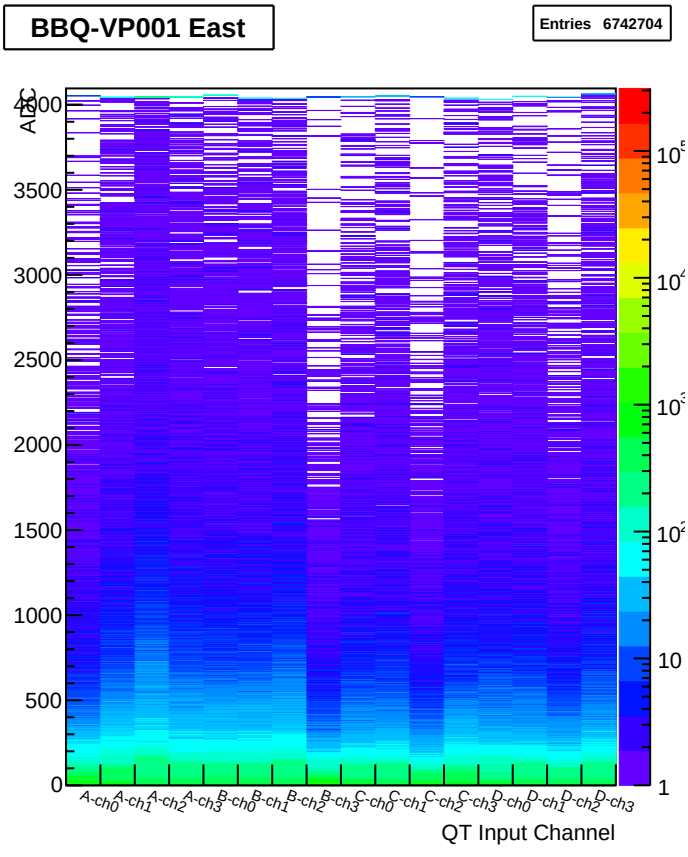

BBQ-BB002 (BBC west small tiles TAC)
Entries 6742704
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

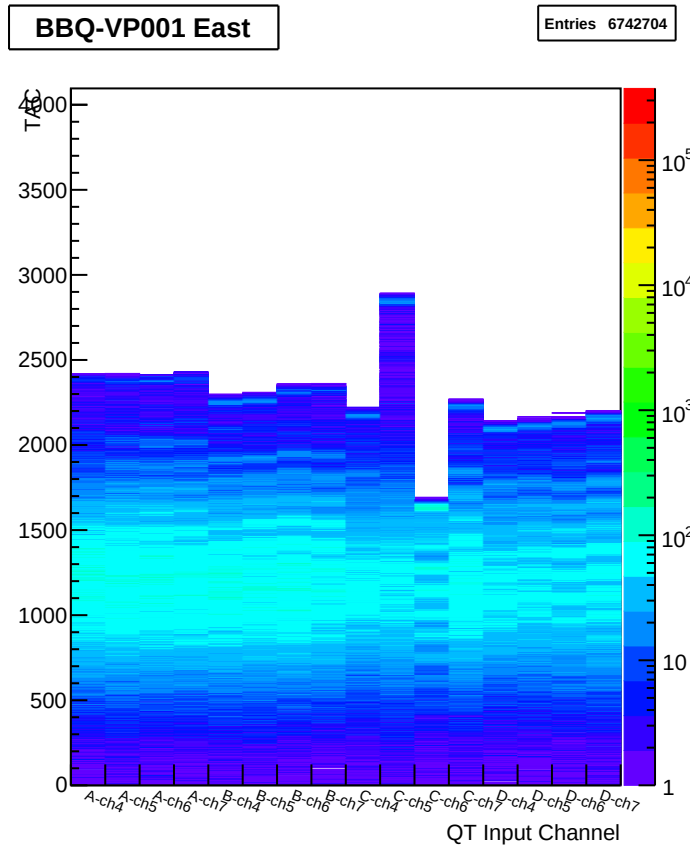

BBQ-ZD001 (ZDC TOWER)
Entries 6742704
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

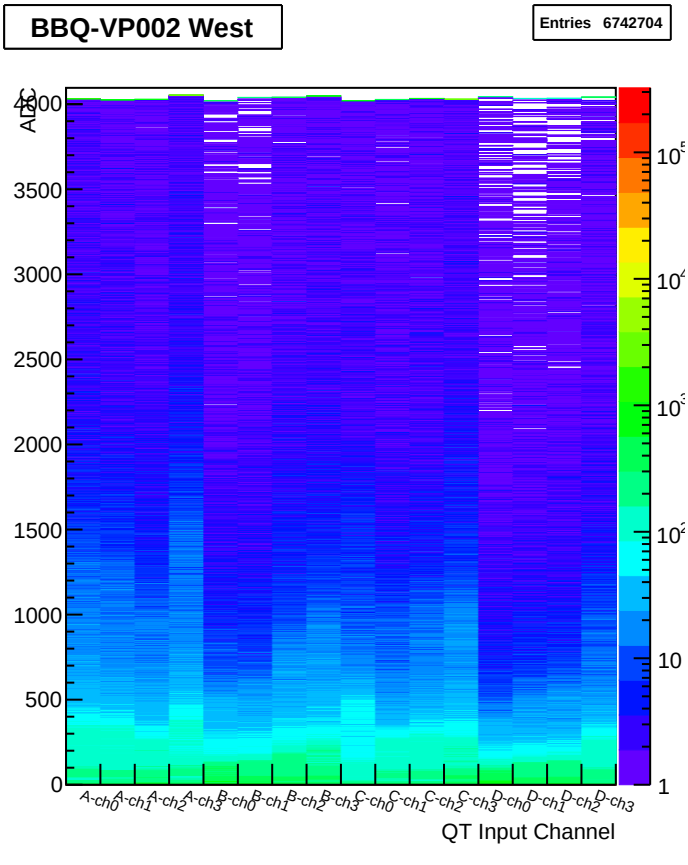

BBQ-ZD001 (ZDC TOWER)
Entries 6742704
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

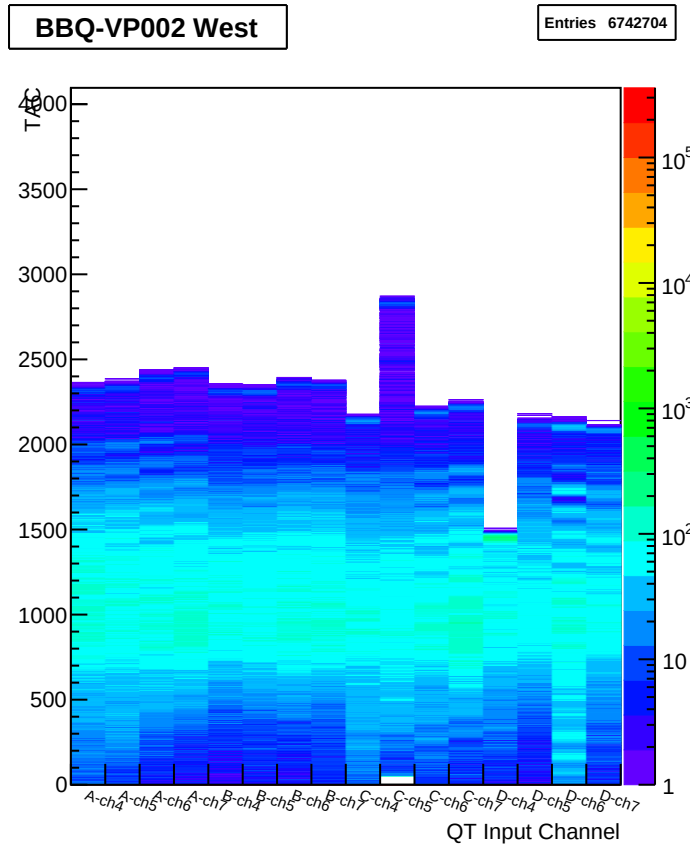

rawzdcEastTac
Entries 421419

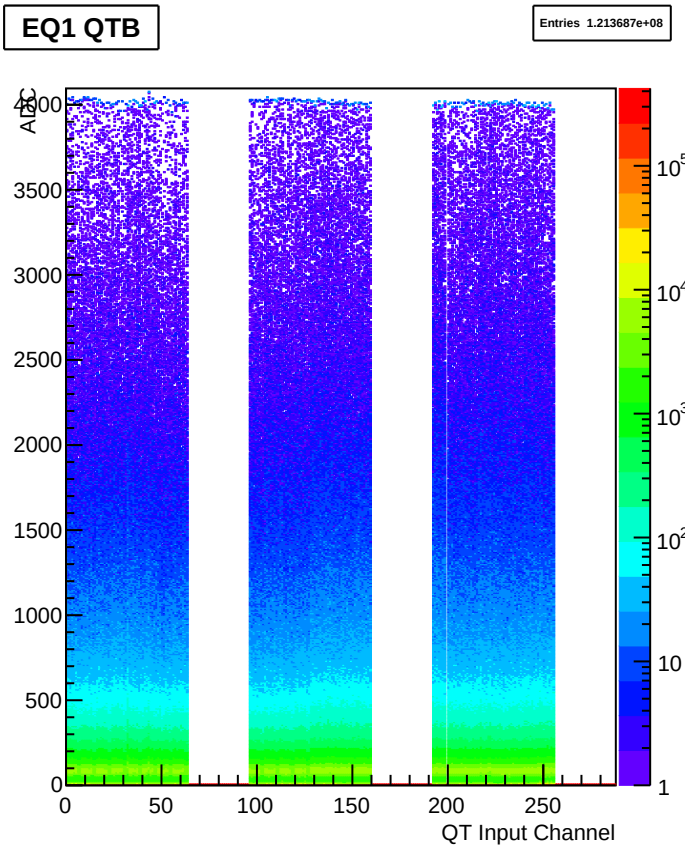

rawzdcWestTac
Entries 421419

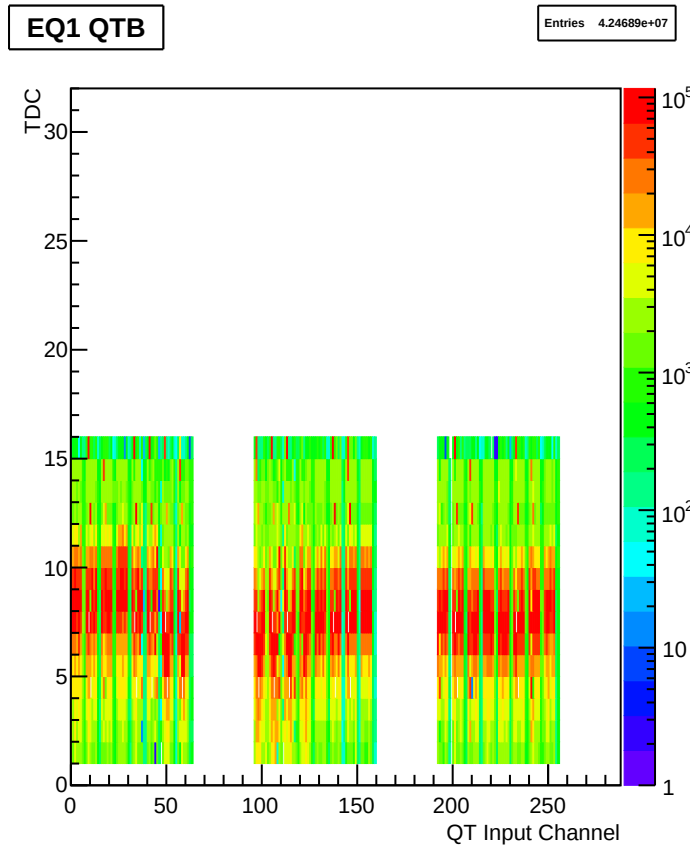

BBQ-VP001 East
Entries 6742704
ADC
QT Input Channel

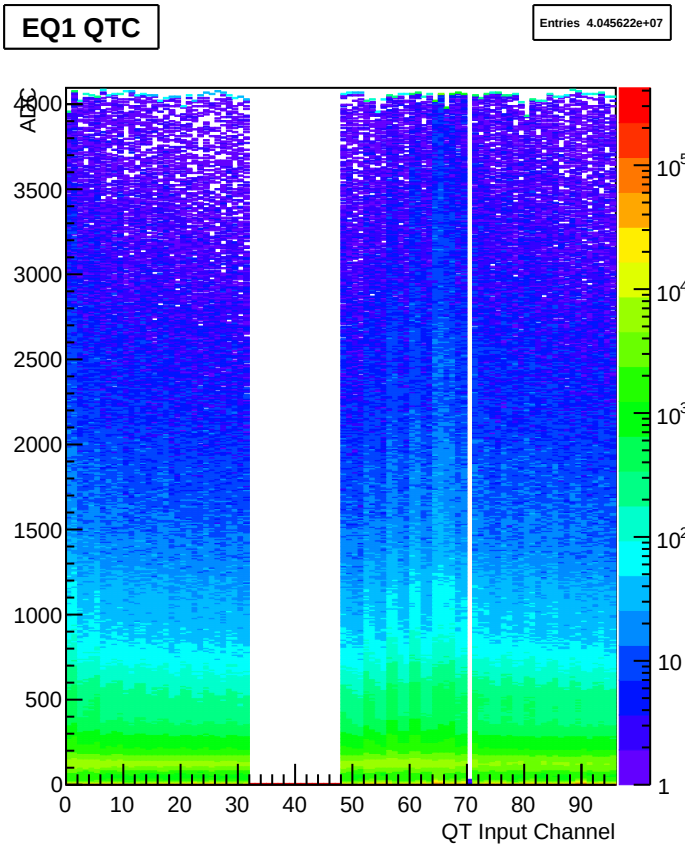

BBQ-VP001 East
Entries 6742704
ADC
QT Input Channel

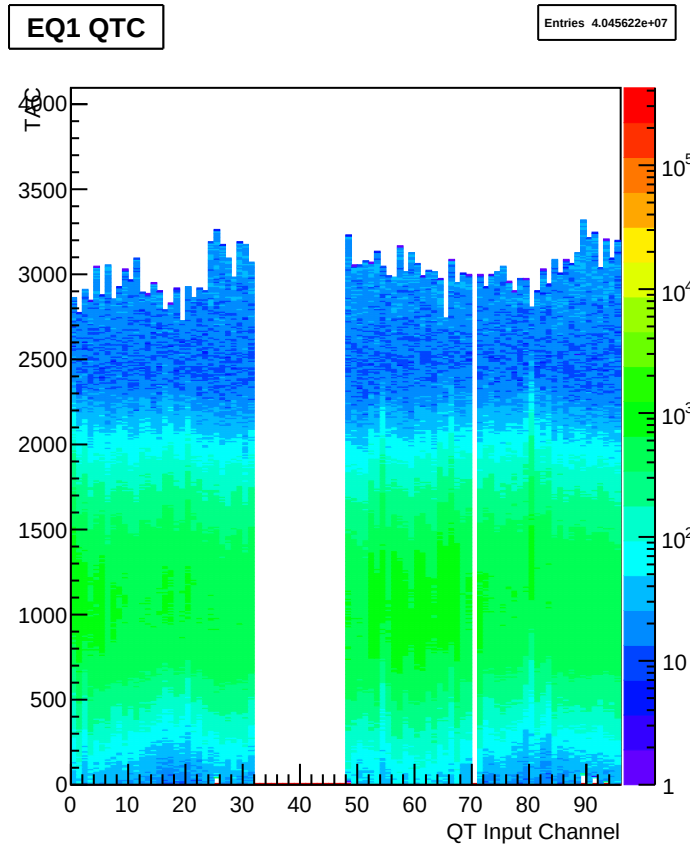

BBQ-VP002 West
Entries 6742704
ADC
QT Input Channel

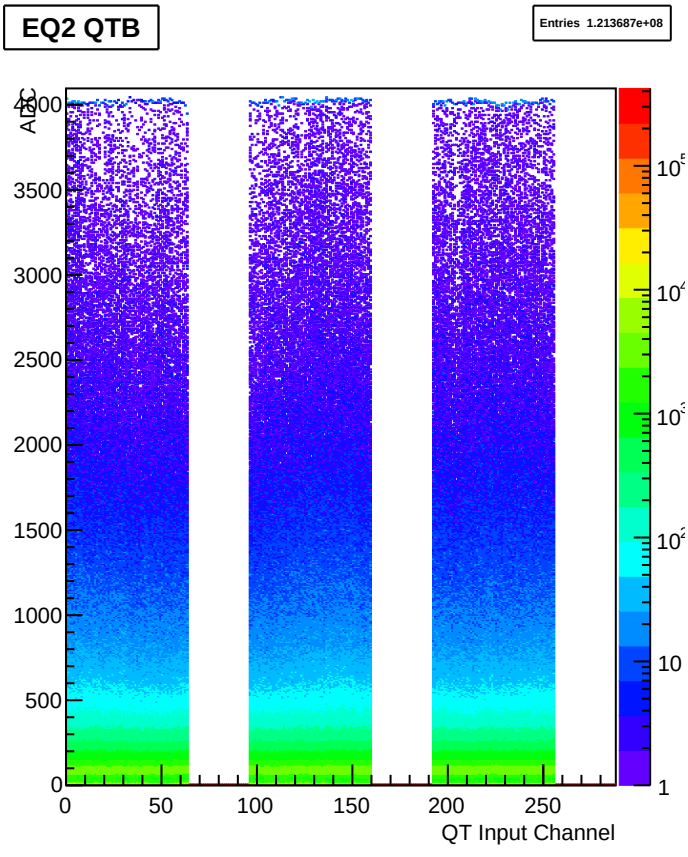

BBQ-VP002 West
Entries 6742704
ADC
QT Input Channel

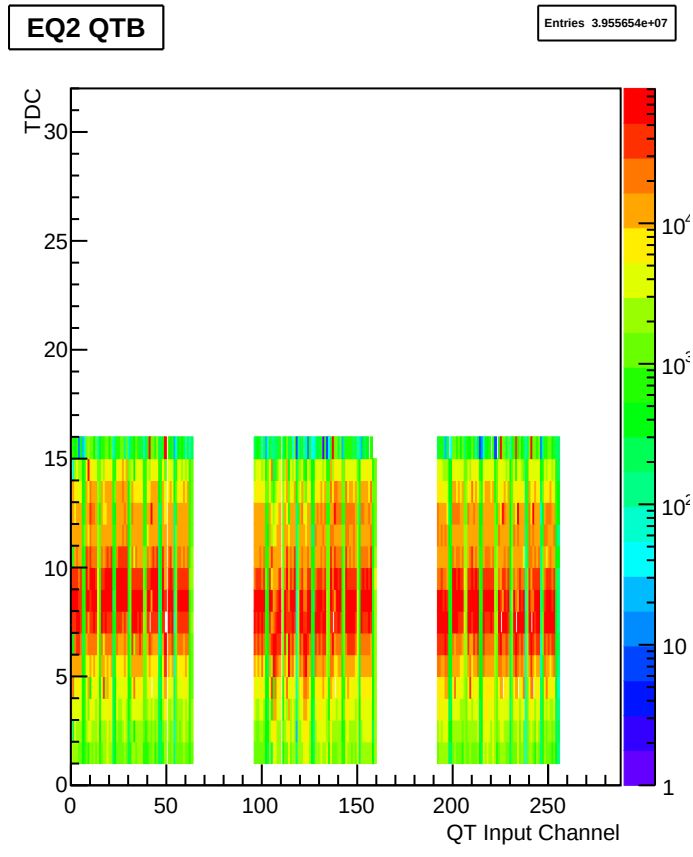

EQ1 QTB
Entries 1.213687e+08
ADC
QT Input Channel

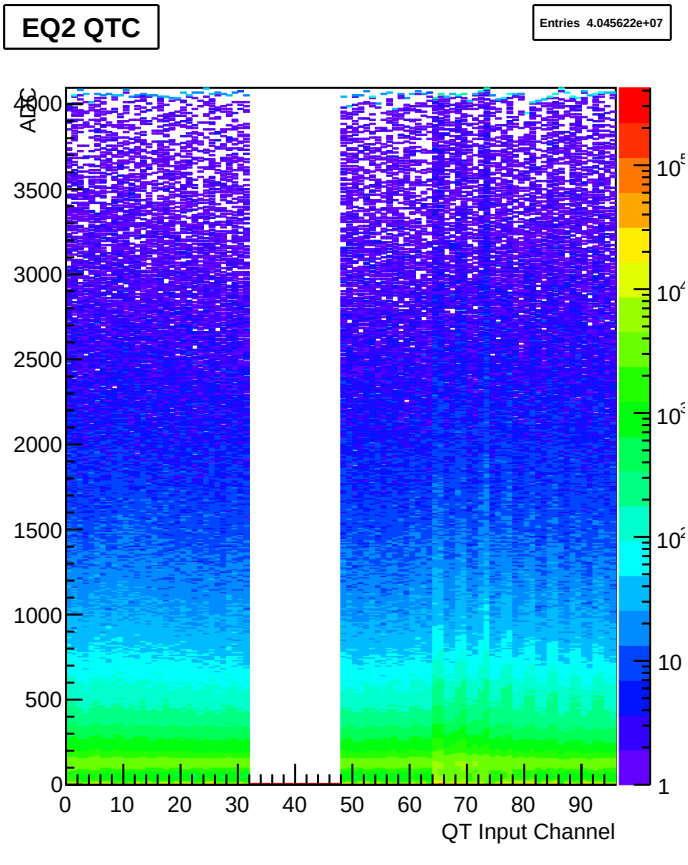

EQ1 QTB
Entries 4.24689e+07
TDC
QT Input Channel

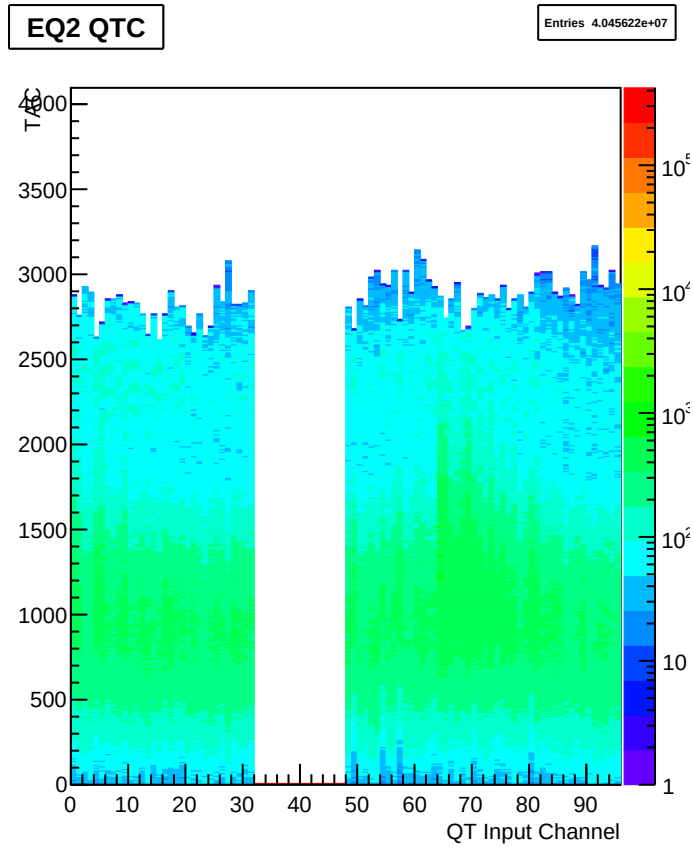

EQ1 QTC
Entries 4.045622e+07
ADC
QT Input Channel

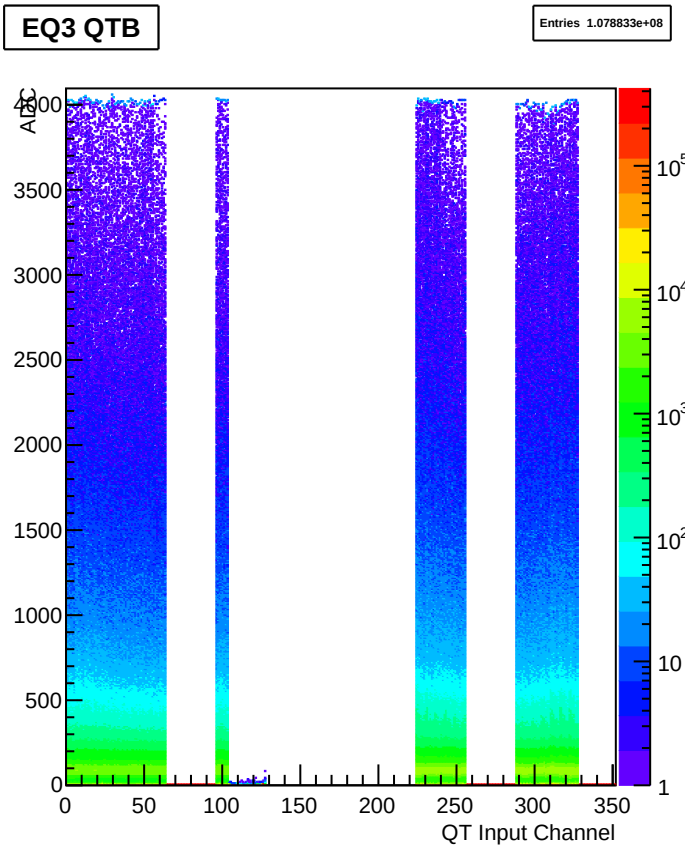

EQ1 QTC
Entries 4.045622e+07
TADC
QT Input Channel

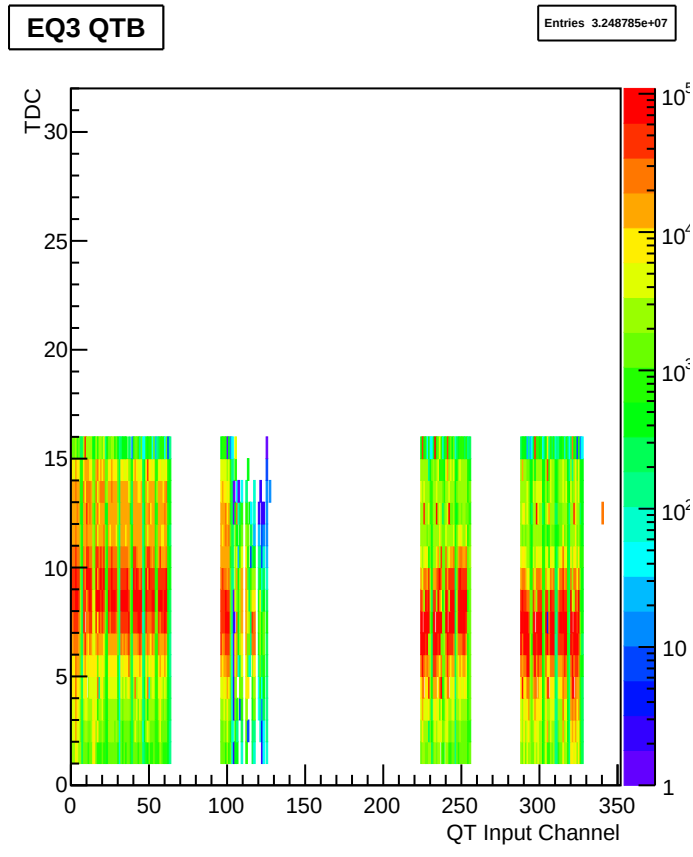

EQ2 QTB
Entries 1.213687e+08
ADC
QT Input Channel

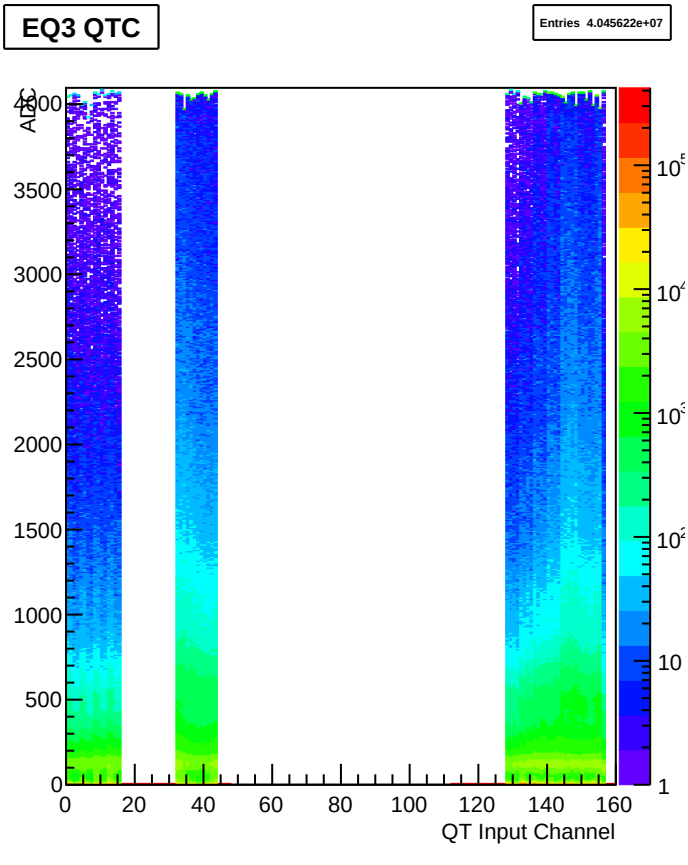

EQ2 QTB
Entries 3.955654e+07
TDC
QT Input Channel

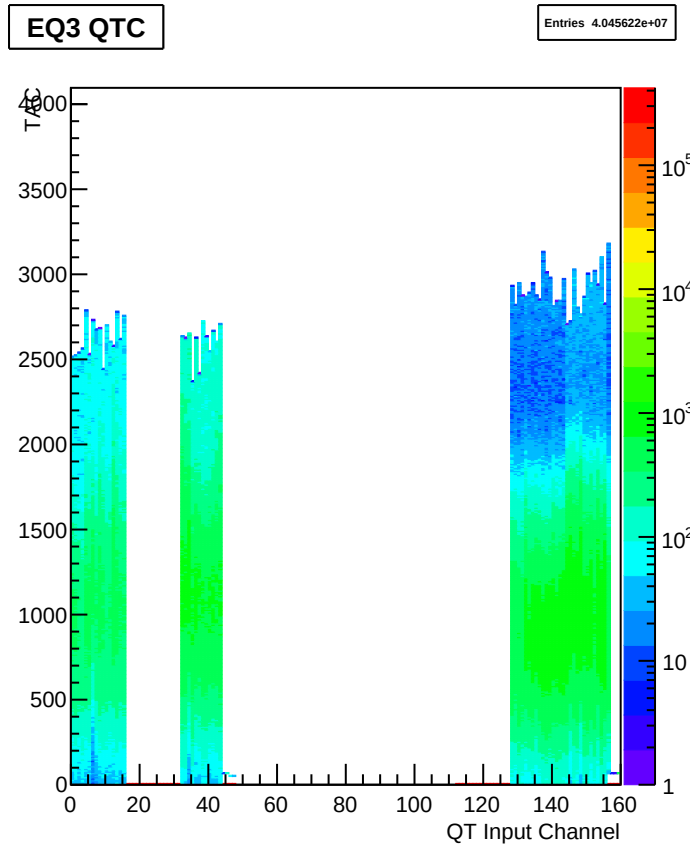

EQ2 QTC
Entries 4.045622e+07
ADC
QT Input Channel

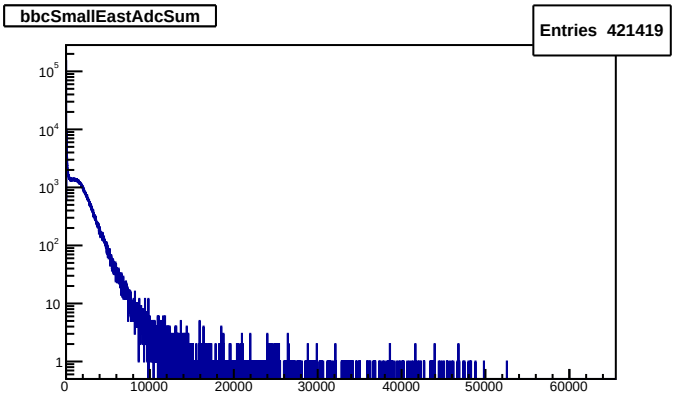

EQ2 QTC
Entries 4.045622e+07
TADC
QT Input Channel

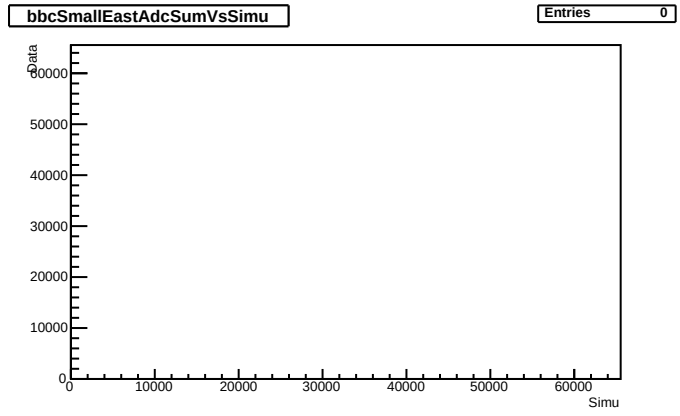

EQ3 QTB
Entries 1.078833e+08
ADC
QT Input Channel

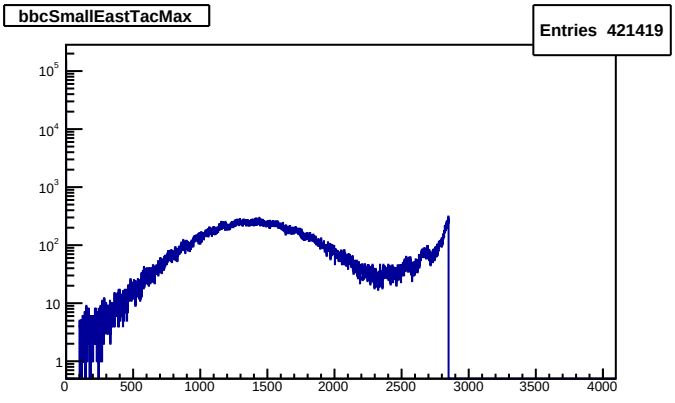

EQ3 QTB
Entries 3.248785e+07
TDC
QT Input Channel

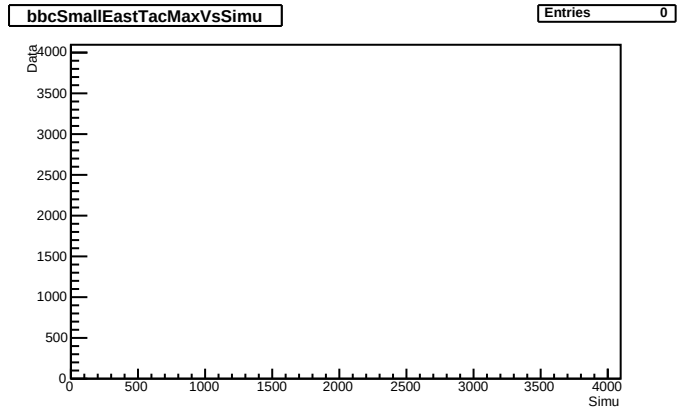

EQ3 QTC
Entries 4.045622e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.045622e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 421419


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 421419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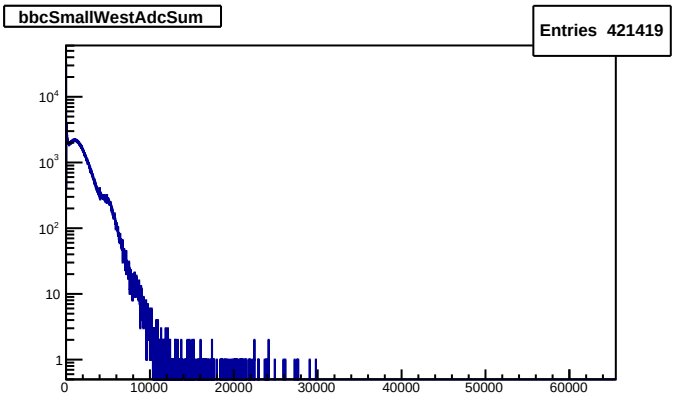
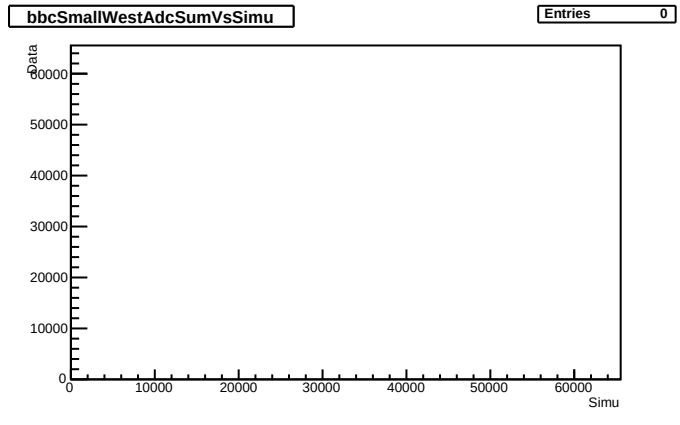

bbcSmallWestAdcSum
Entries 421419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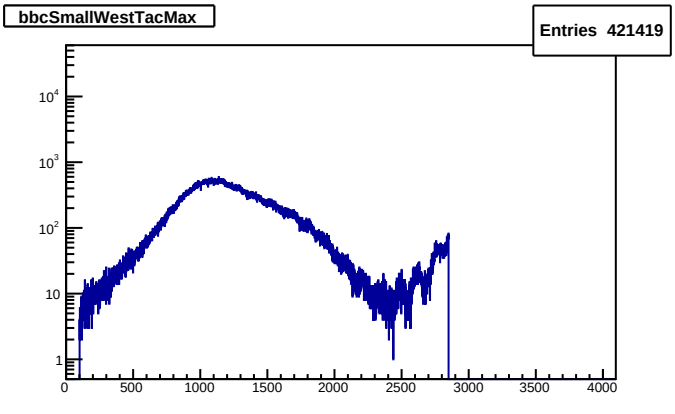
Simu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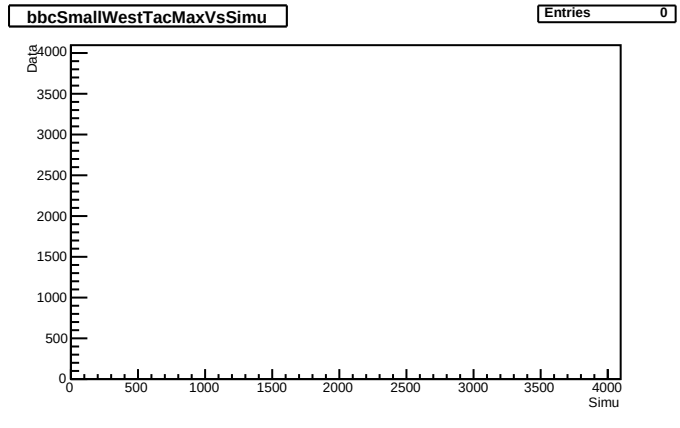
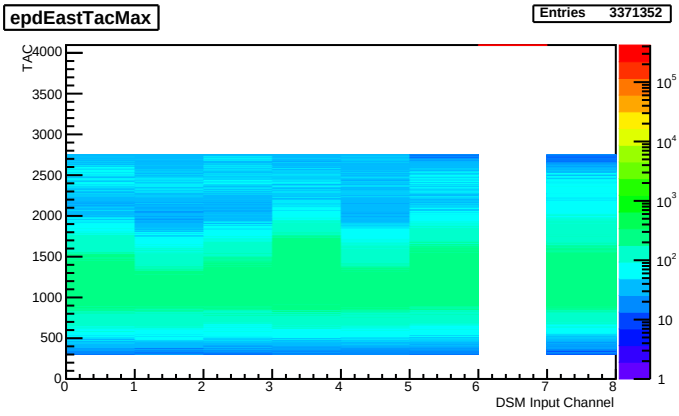
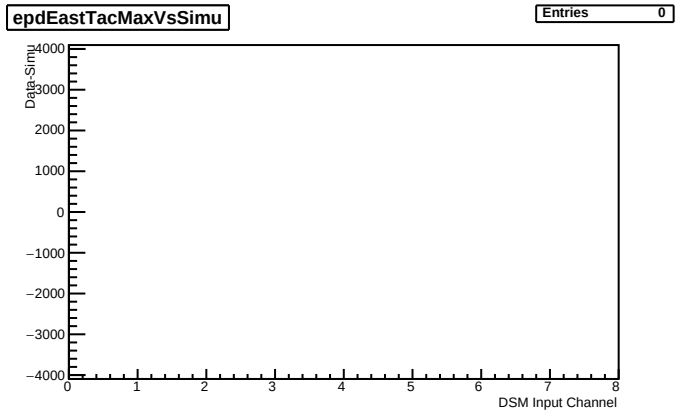
Entries 421419


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3371352
TAC
DSM Input Channel


epdEastTacMaxVsSimu
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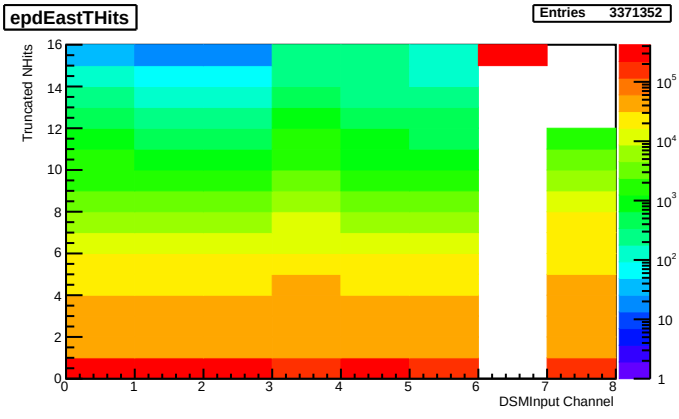
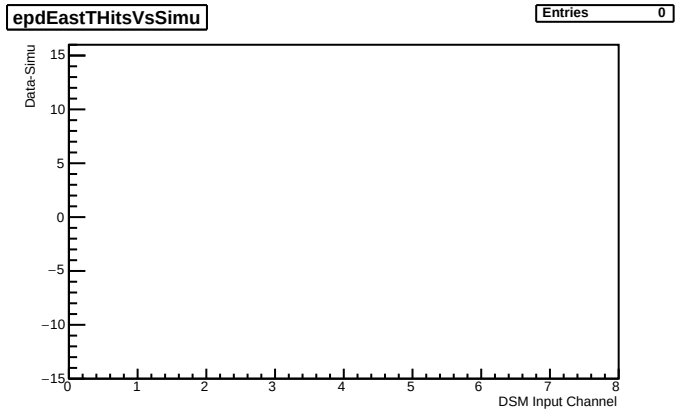
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3371352
Truncated NHits
DSMInput Channel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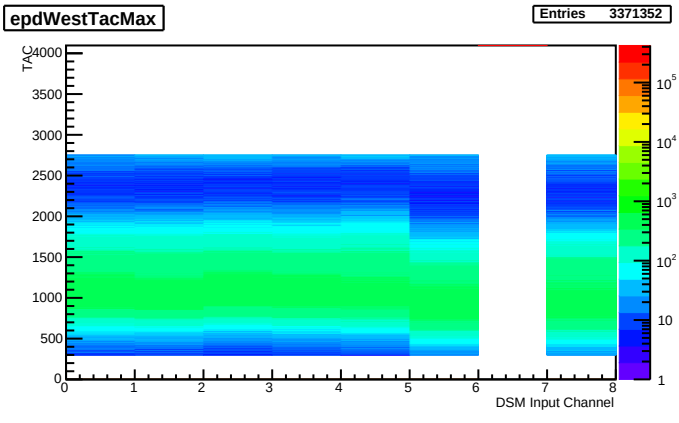
Data-Simu
DSM Input Channel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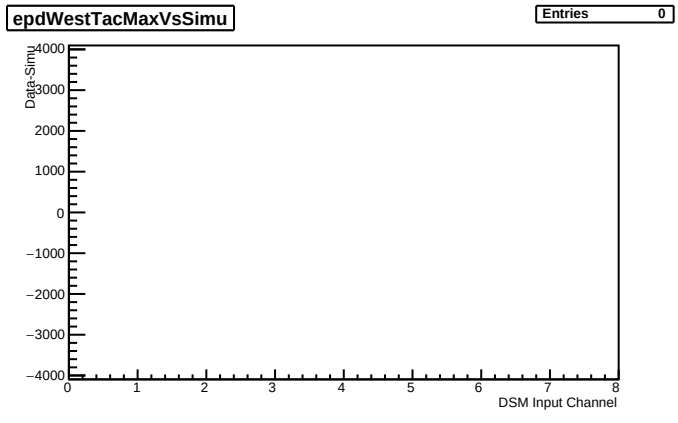
Entries 3371352
TAC
DSM Input Channel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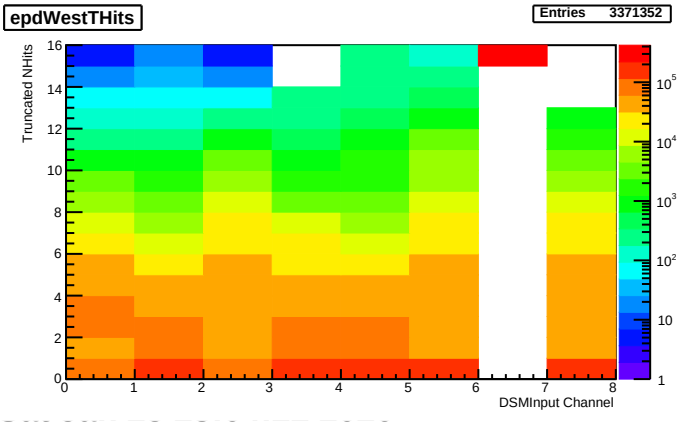
Entries 0
Data-Simu
DSM Input Channel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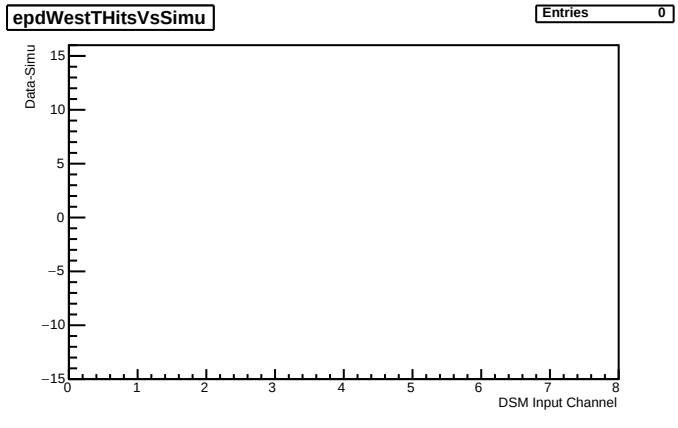
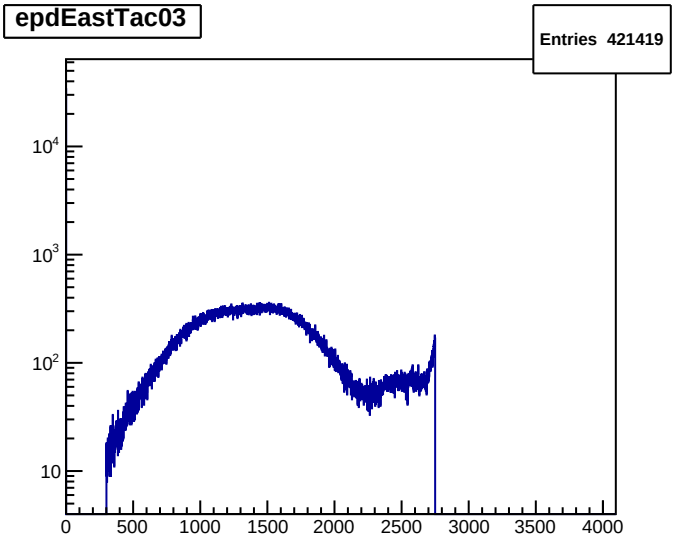
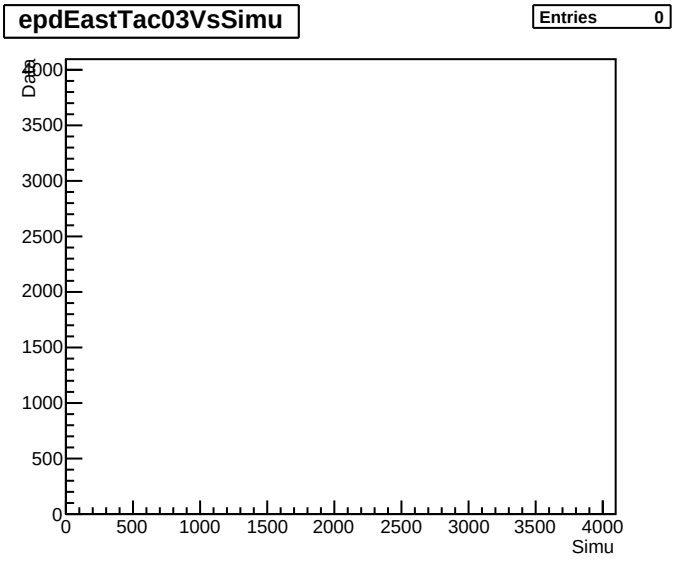
Entries 3371352
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 421419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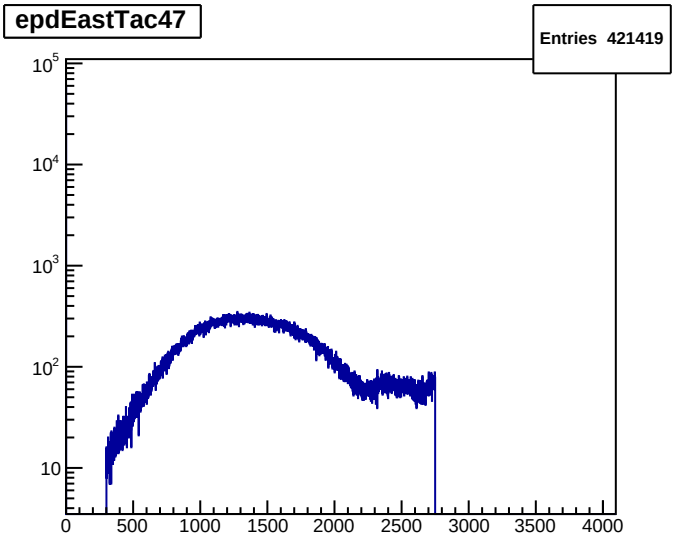
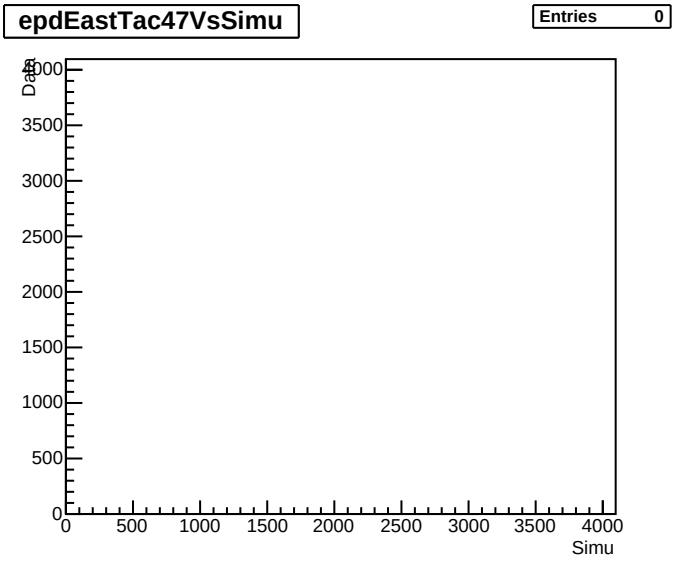
Entries 0
Data
Simu


epdEastTac47
Entries 421419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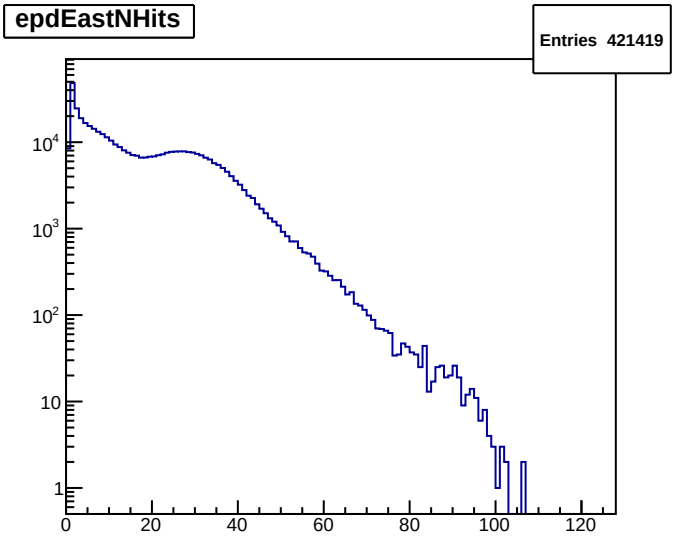
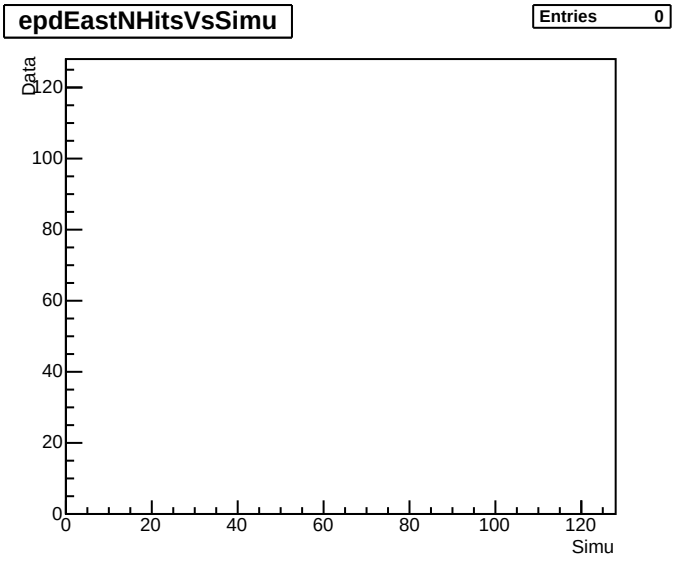
Entries 0
Data
Simu


epdEastNHits
Entries 421419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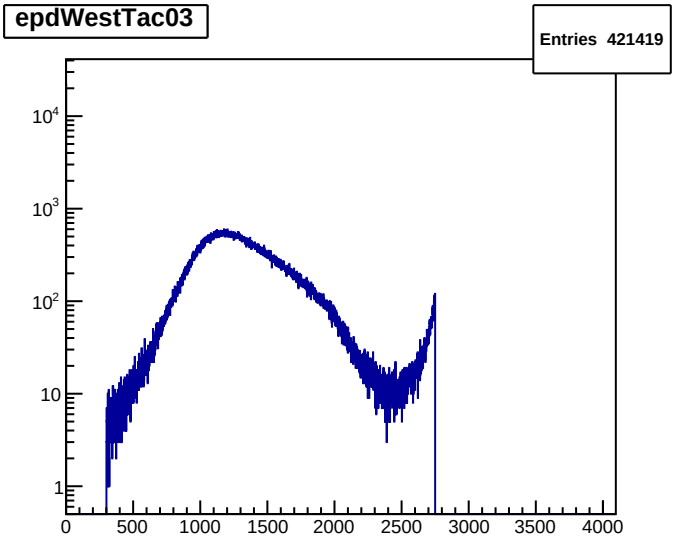
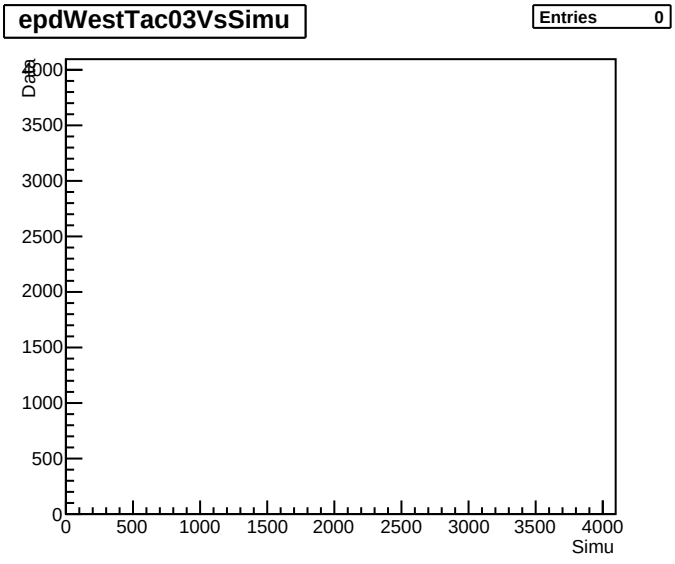
Entries 0
Data
Simu


epdWestTac03
Entries 421419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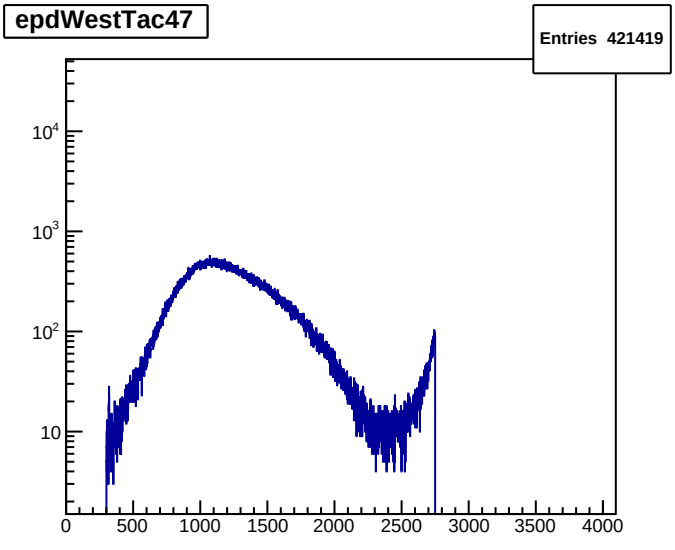
Data
Simu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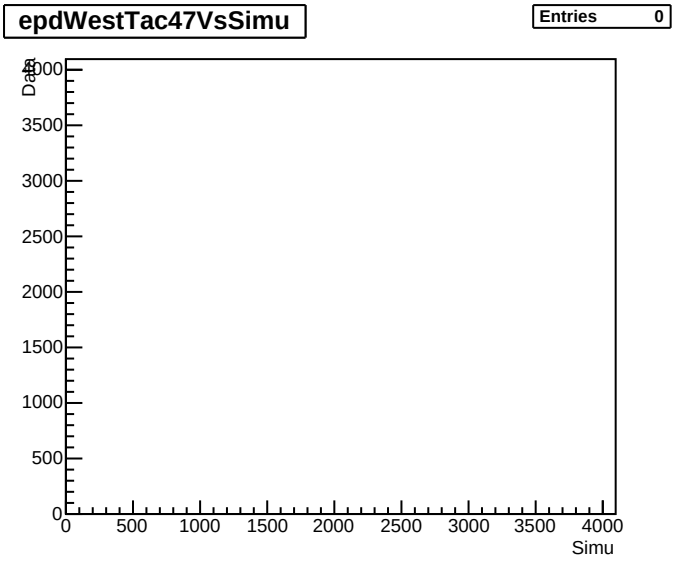
Entries 421419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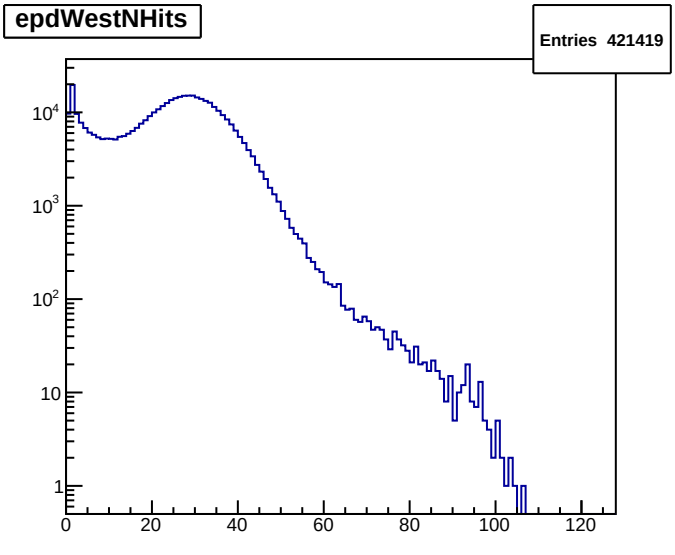
Entries 0
Data
Simu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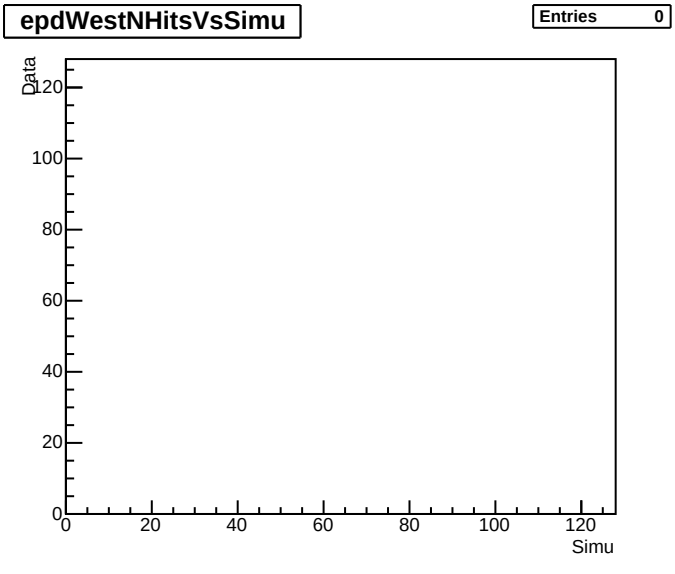
Entries 421419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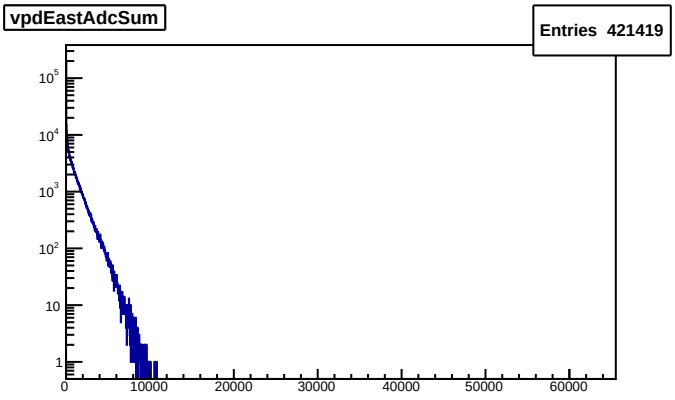
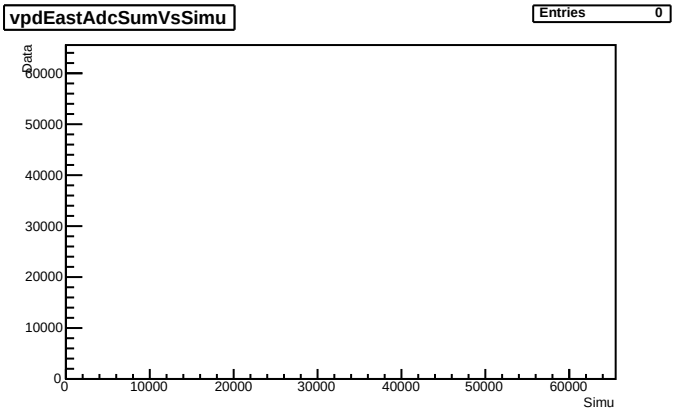
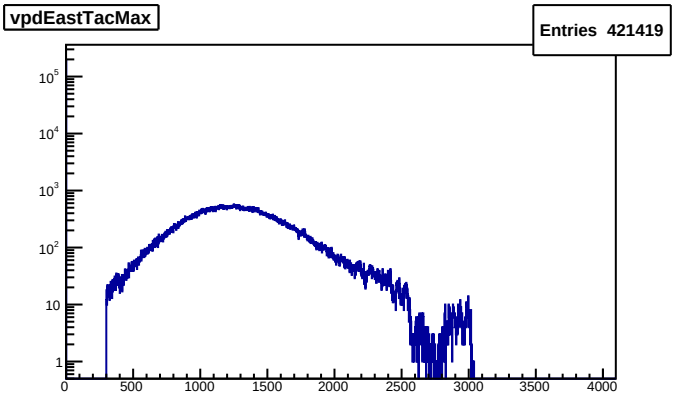
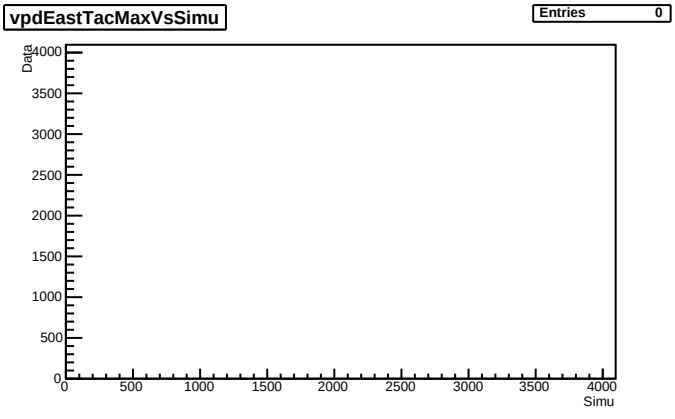
Entries 0
Data
Simu


vpdEastAdcSum
Entries 421419


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 421419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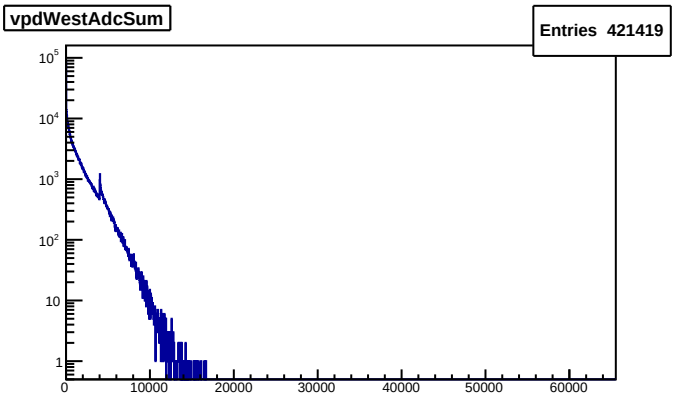
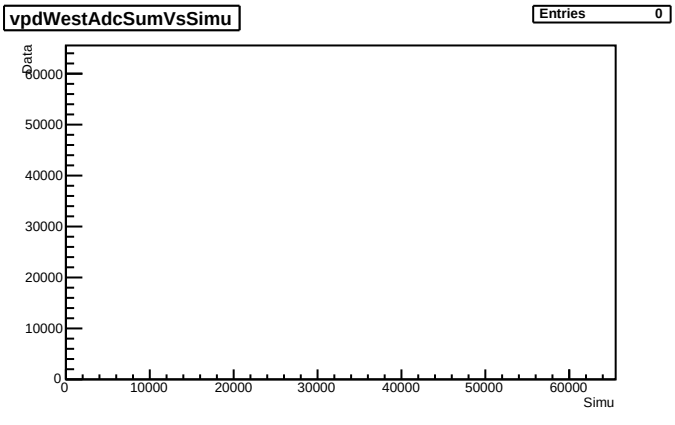
Entries 0
Data
Simu


vpdWestAdcSum
Entries 421419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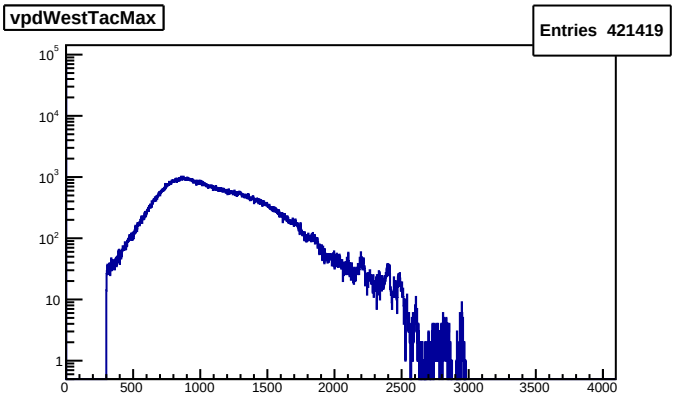
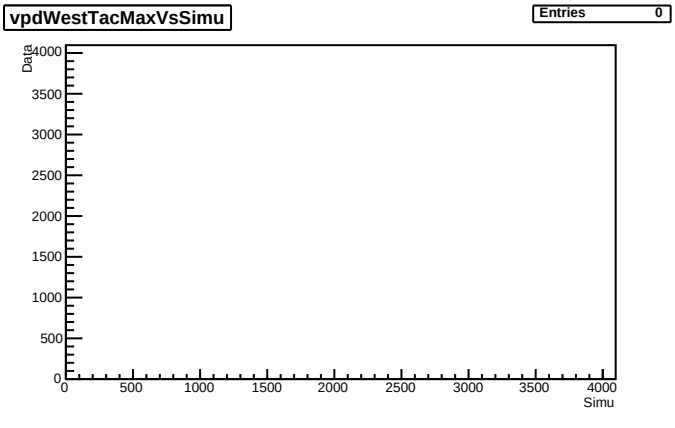
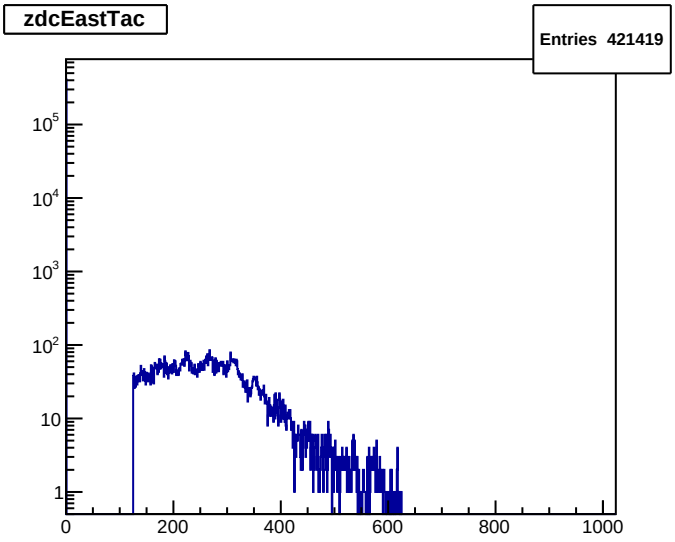
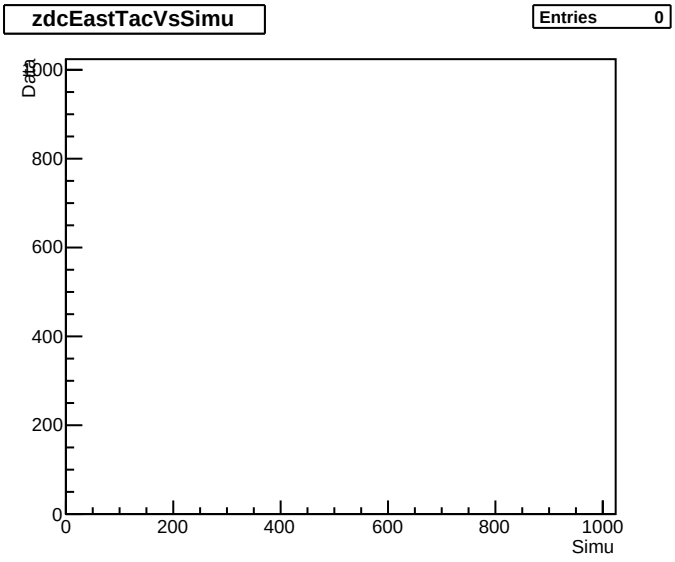
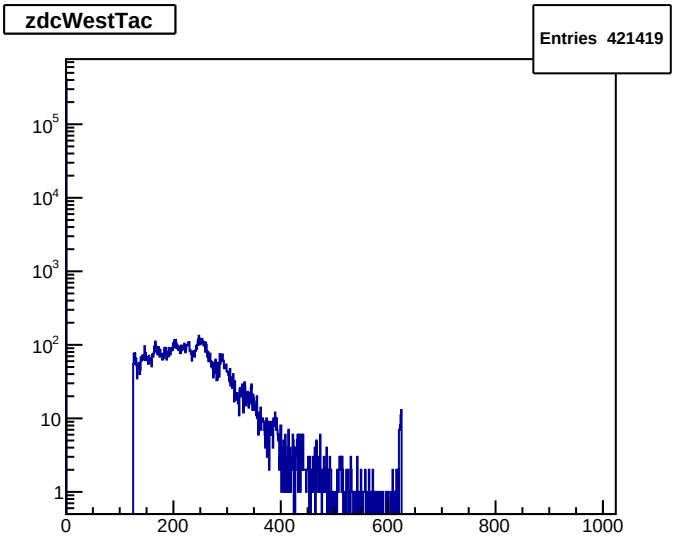
Entries 0
Data
Simu

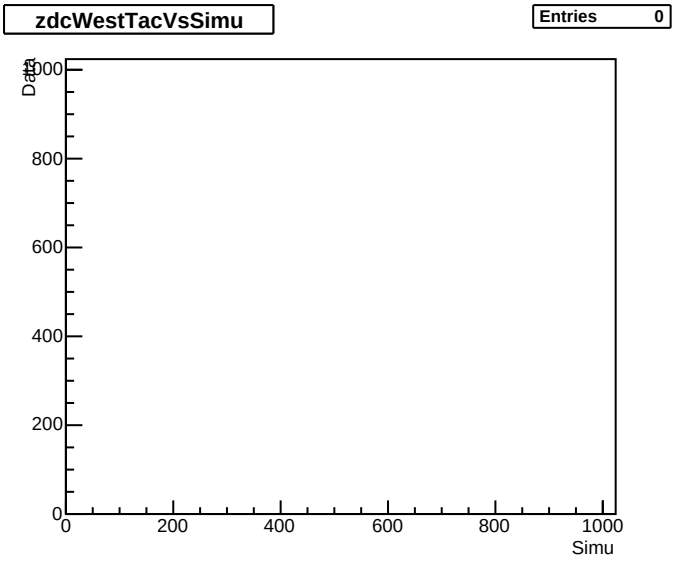

vpdWestTacMax
Entries 421419

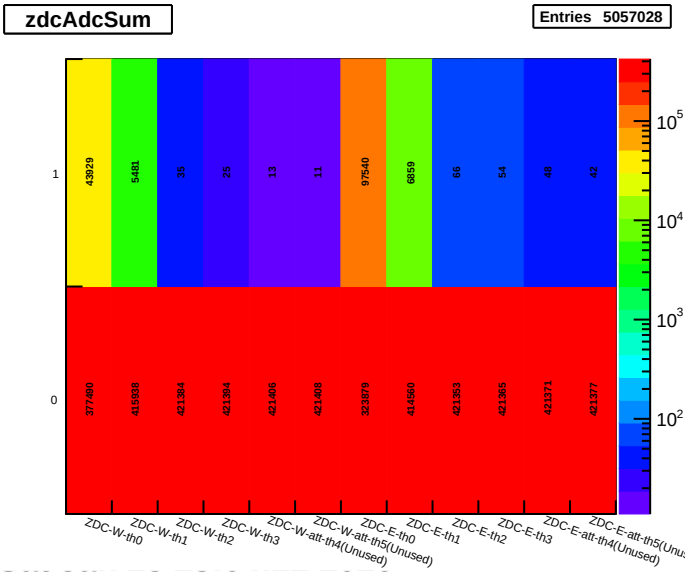

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

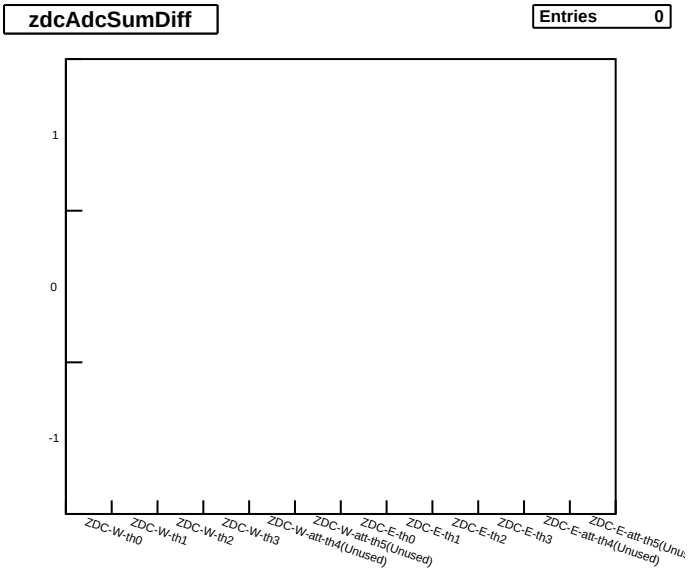

zdcEastTac
Entries 421419
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

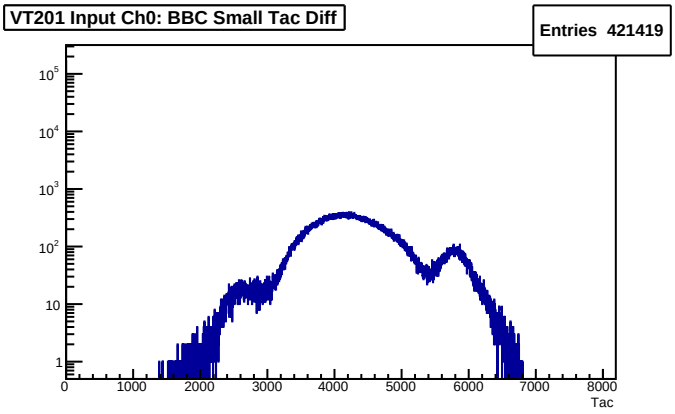

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

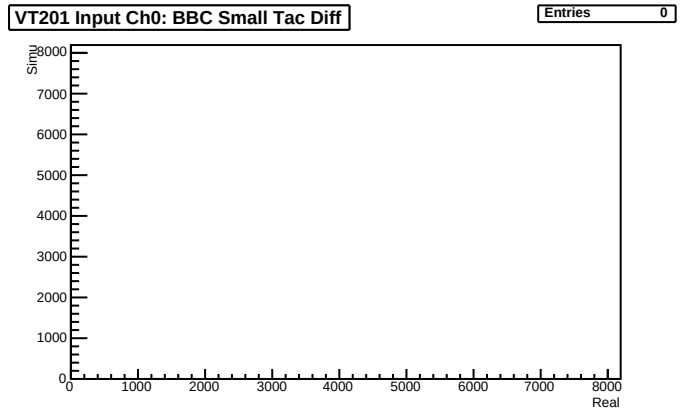

zdcWestTac
Entries 421419
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

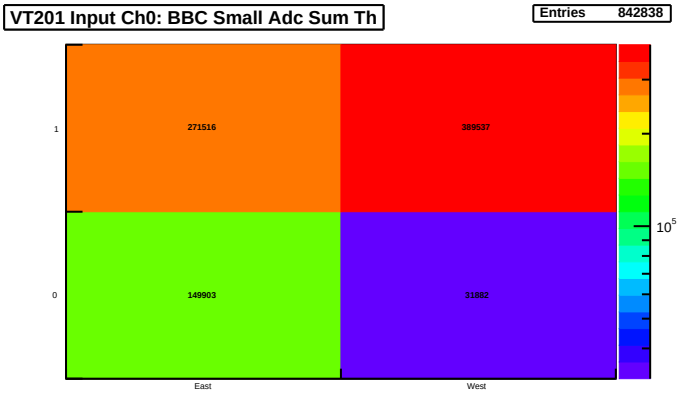

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

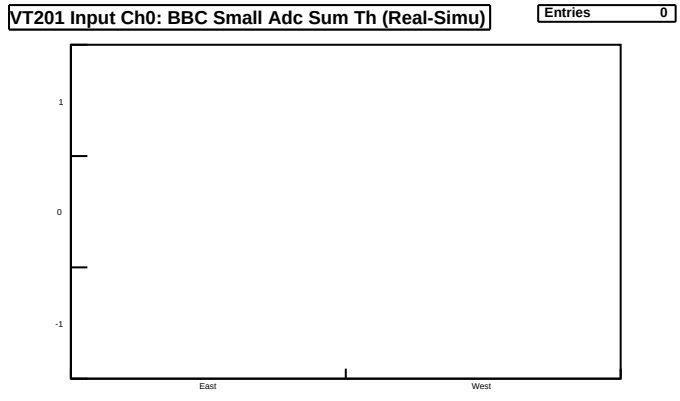

zdcAdcSum
Entries 5057028
1
0
43929
5481
35
25
13
11
97540
6859
66
54
48
42
377480
415938
421384
421394
421406
421408
323870
414560
421353
421365
421371
421377
10^5
10^4
10^3
10^2
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

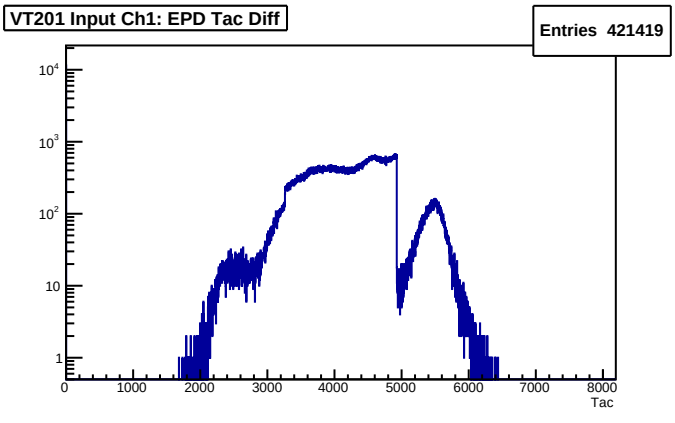

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

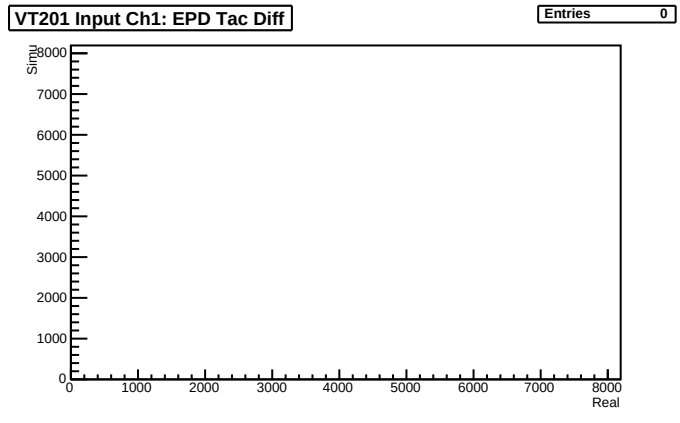

VT201 Input Ch0: BBC Small Tac Diff
Entries 421419
Tac

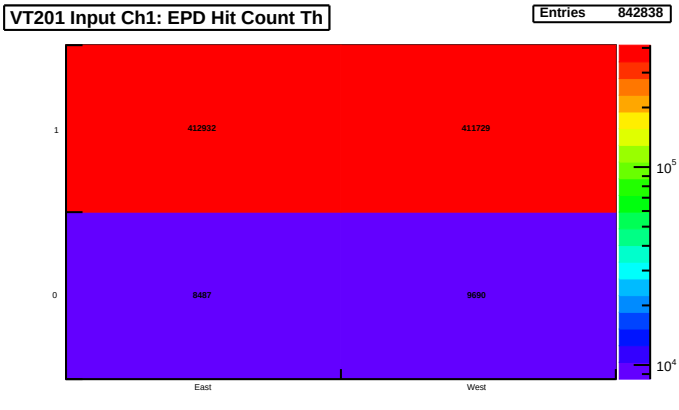

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

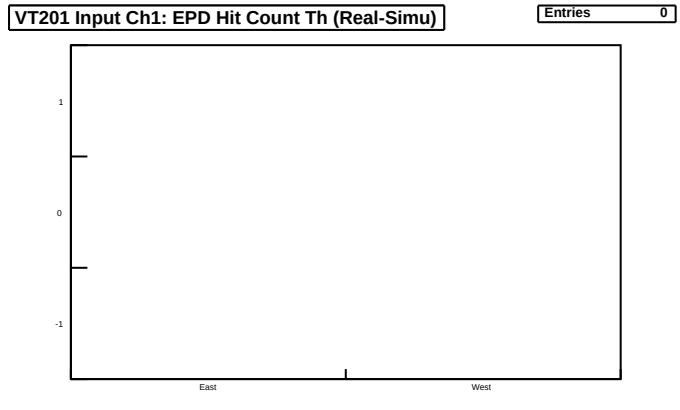

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 842838
271516
389537
149903
31882
East
West

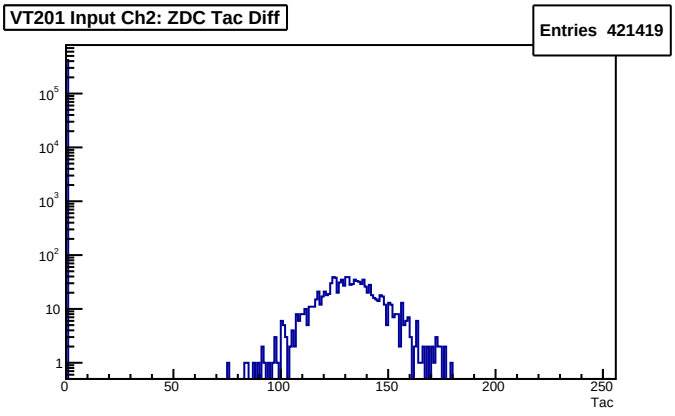

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

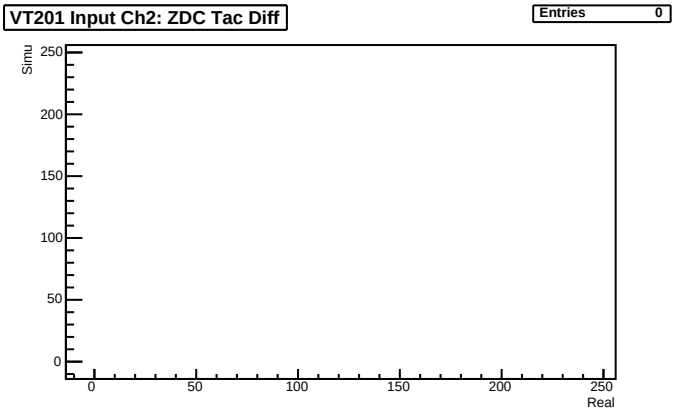

VT201 Input Ch1: EPD Tac Diff
Entries 421419
Tac

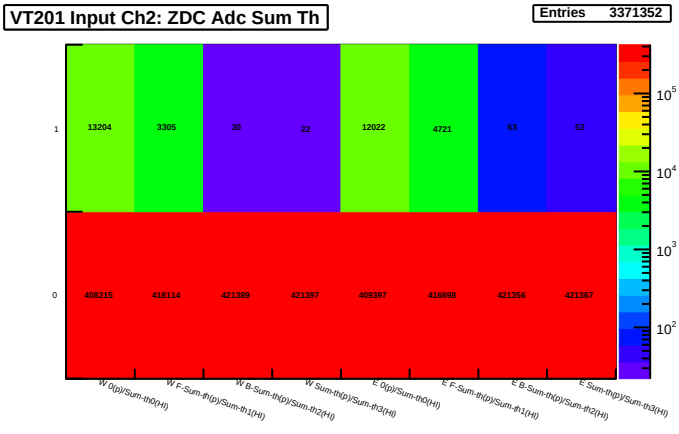

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

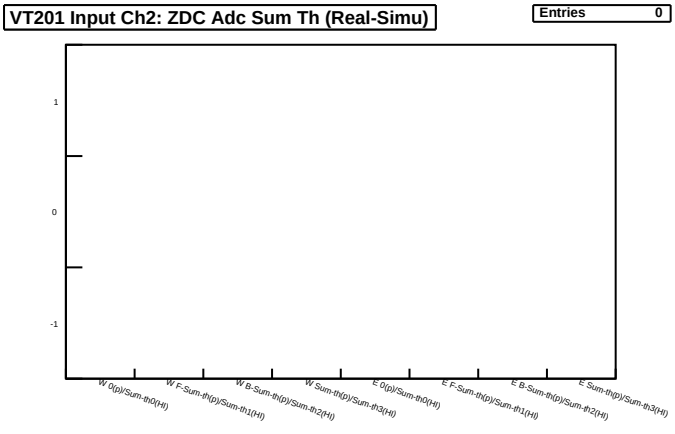

VT201 Input Ch1: EPD Hit Count Th
Entries 842838
412932
411729
8487
9590
East
West

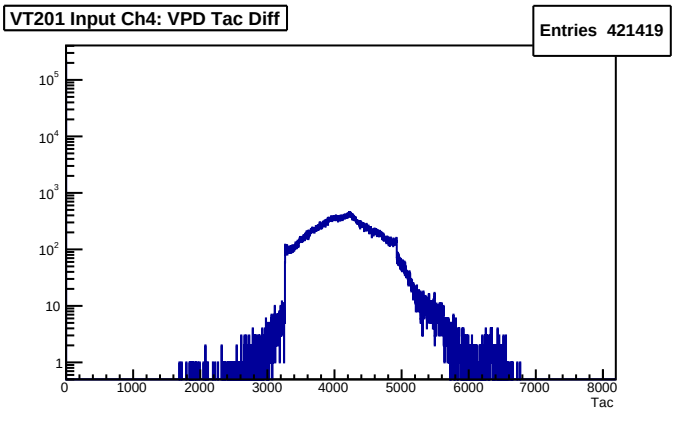

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

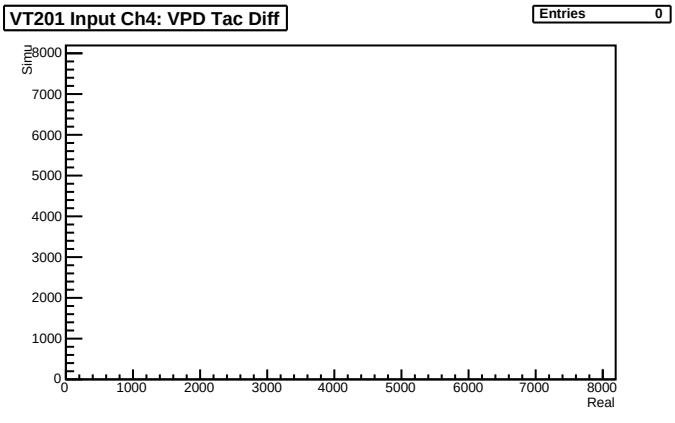

VT201 Input Ch2: ZDC Tac Diff
Entries 421419
Tac

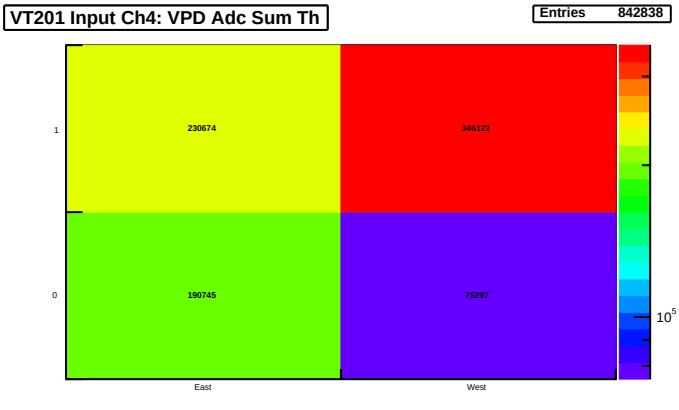

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

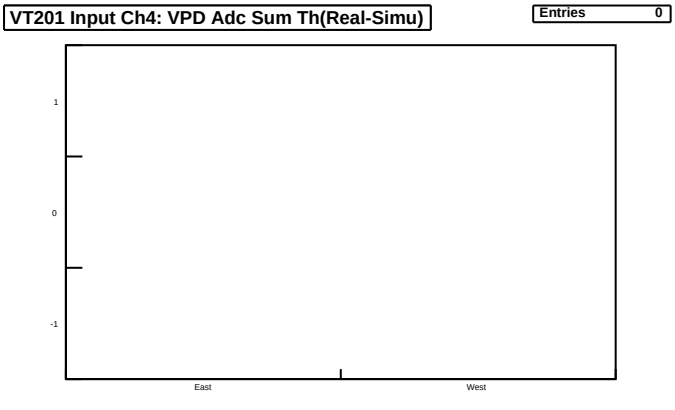

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3371352
13204
3305
30
22
12022
4721
63
52
408215
418114
421389
421397
409397
416698
421356
421367
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

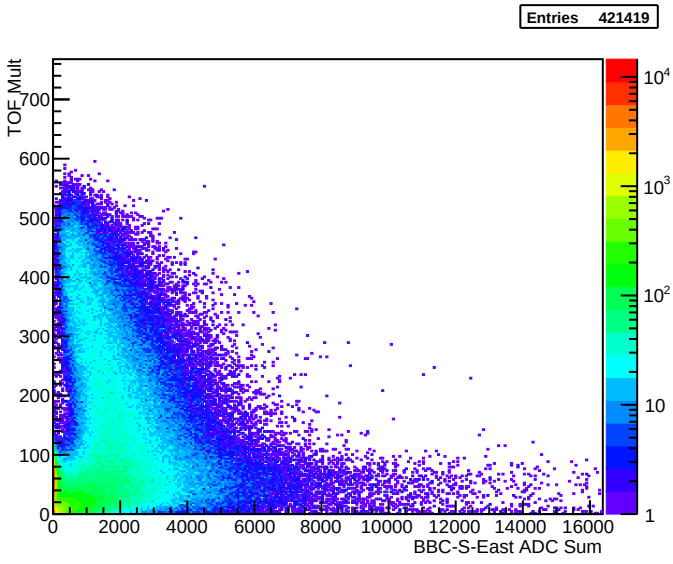

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

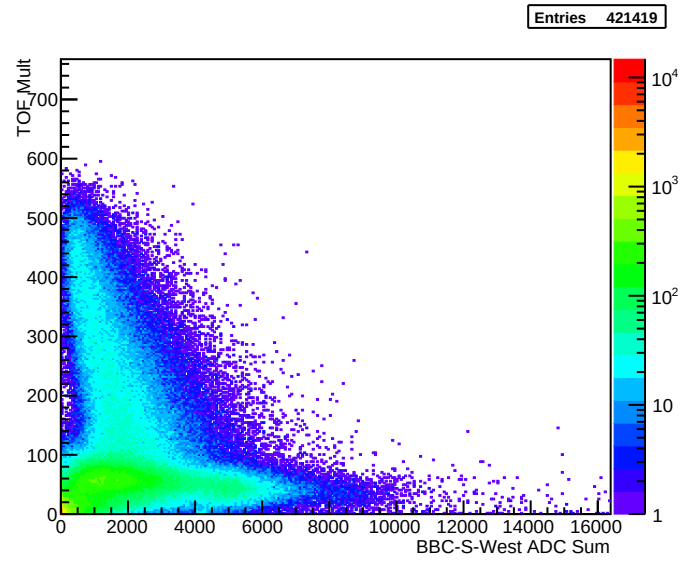

VT201 Input Ch4: VPD Tac Diff
Entries 421419
Tac

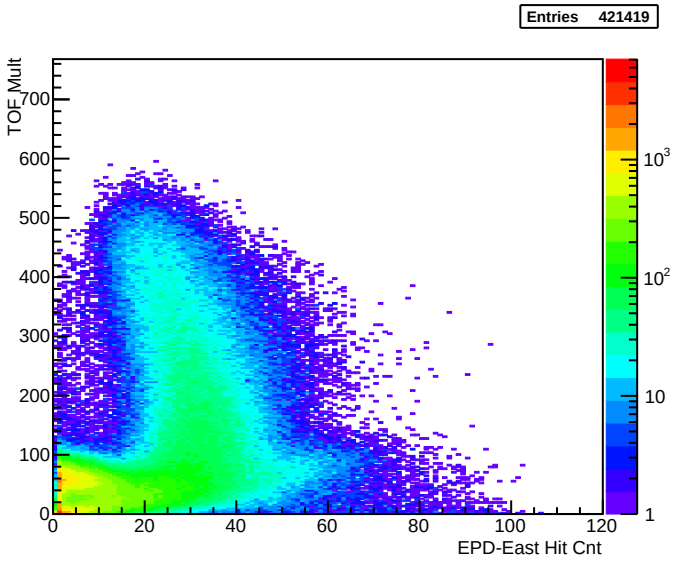

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

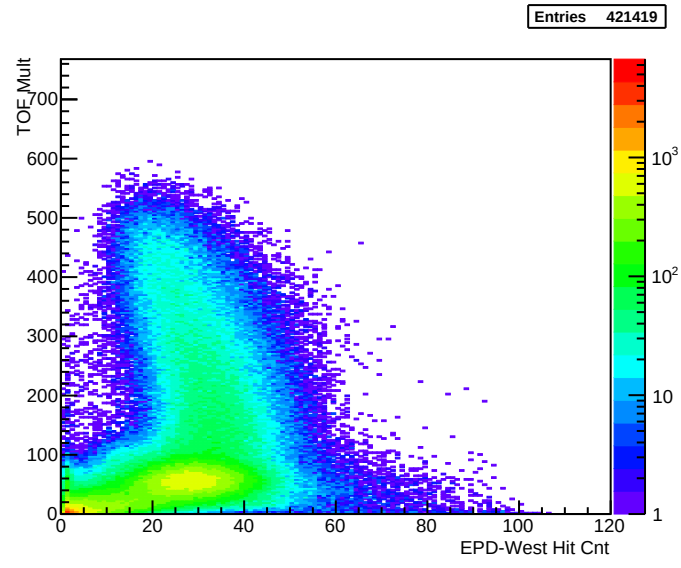

VT201 Input Ch4: VPD Adc Sum Th
Entries 842838
230674
346122
190745
75297
East
West

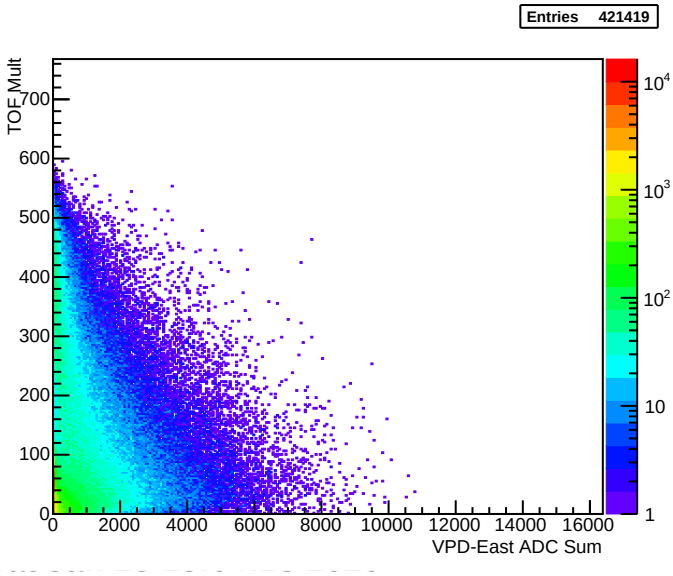

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

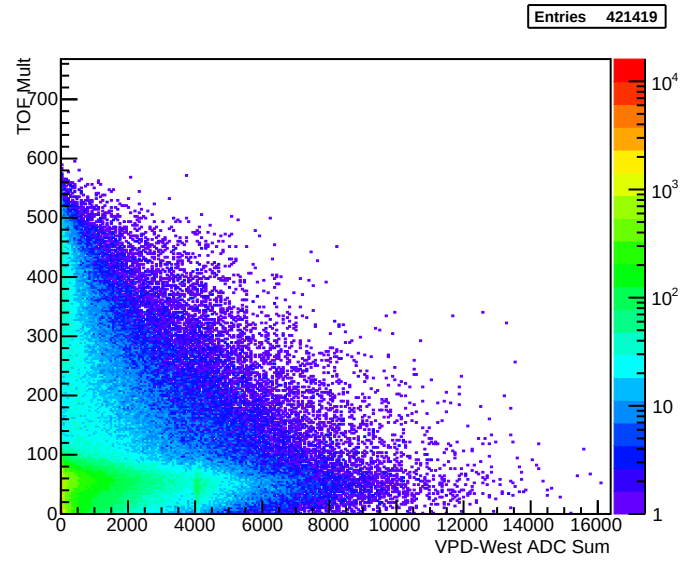

Entries 421419
TOF_Mult
BBC-S-East ADC Sum

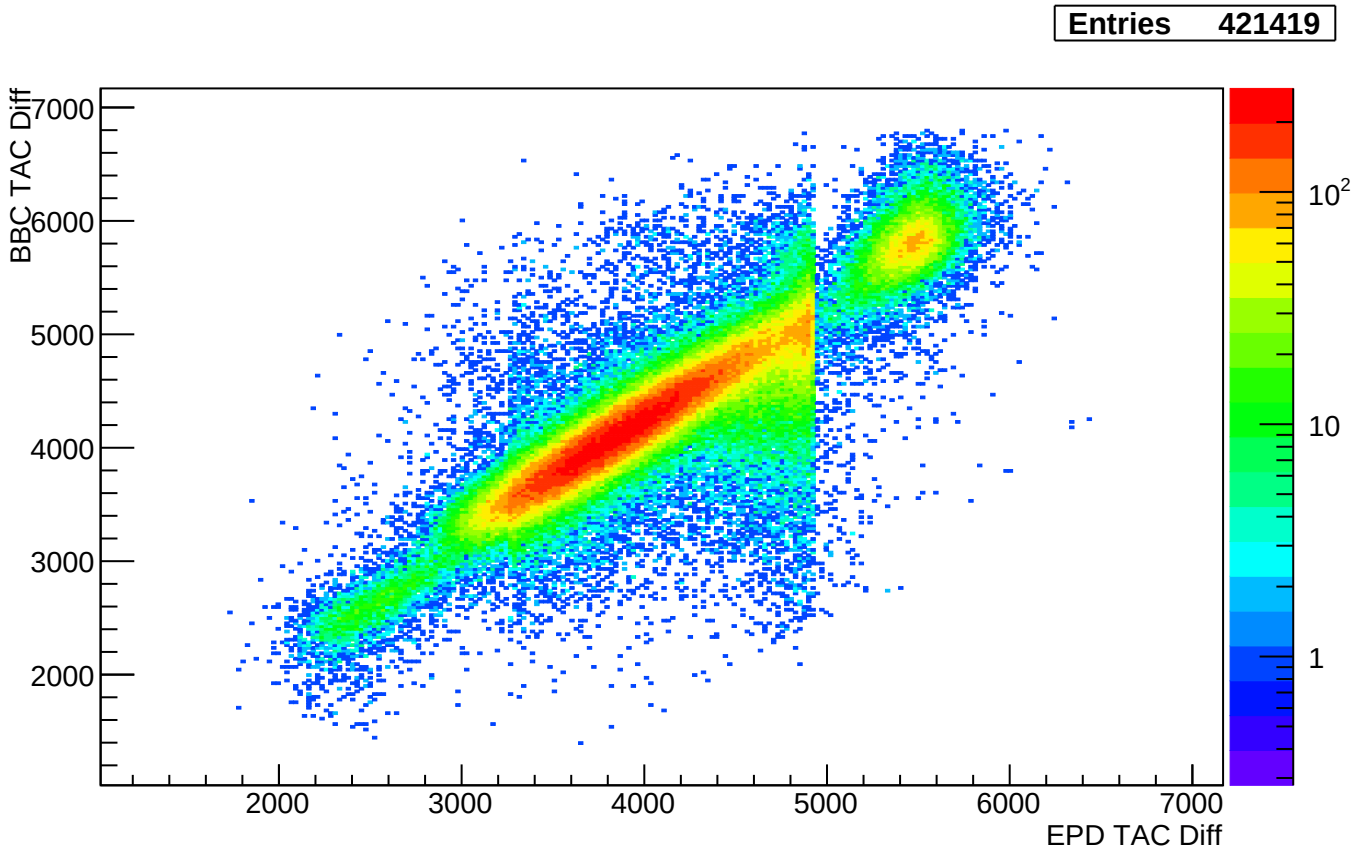

Entries 421419
TOF_Mult
BBC-S-West ADC Sum

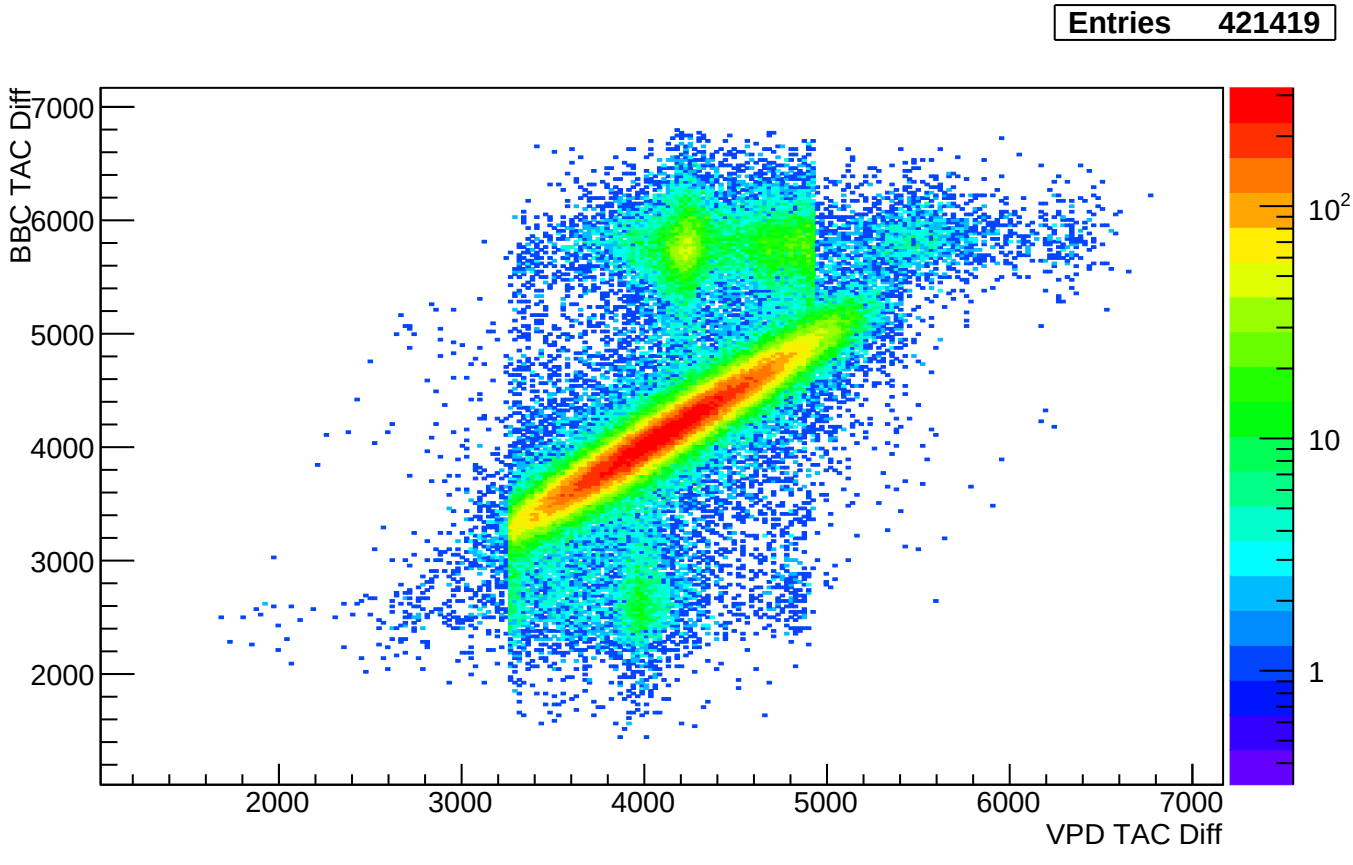

Entries 421419
TOF_Mult
EPD-East Hit Cnt

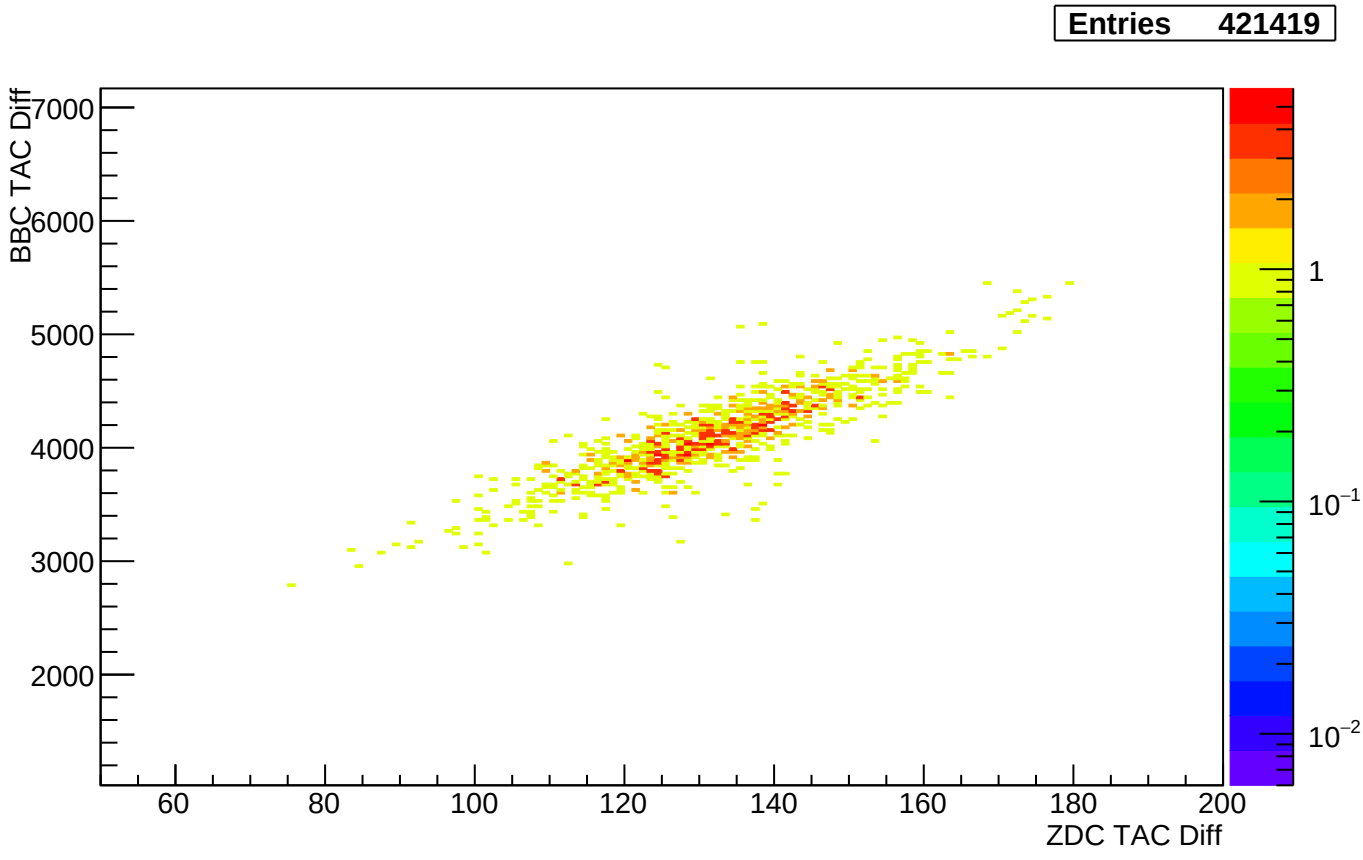

Entries 421419
TOF_Mult
EPD-West Hit Cnt

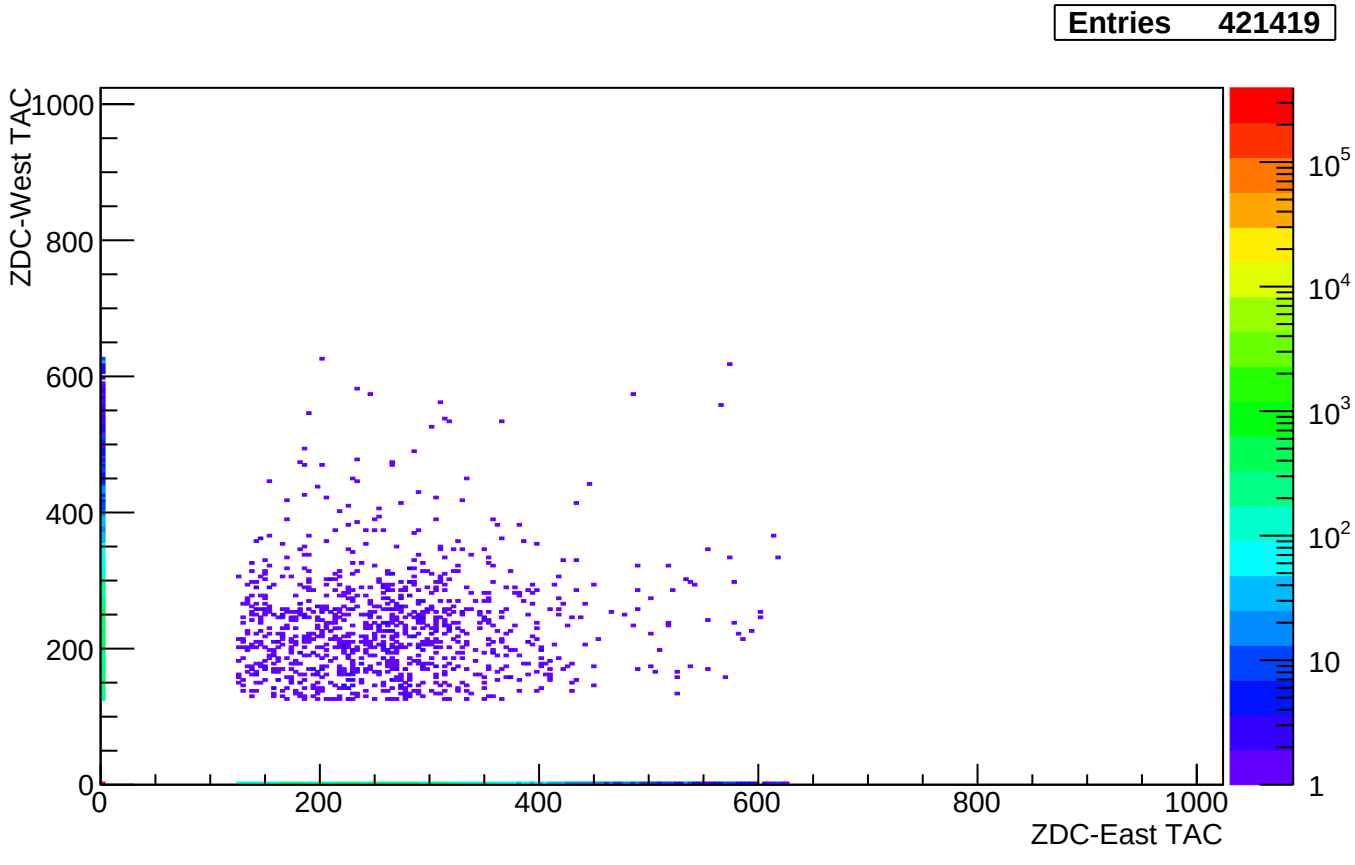

Entries 421419
TOF_Mult
VPD-East ADC Sum

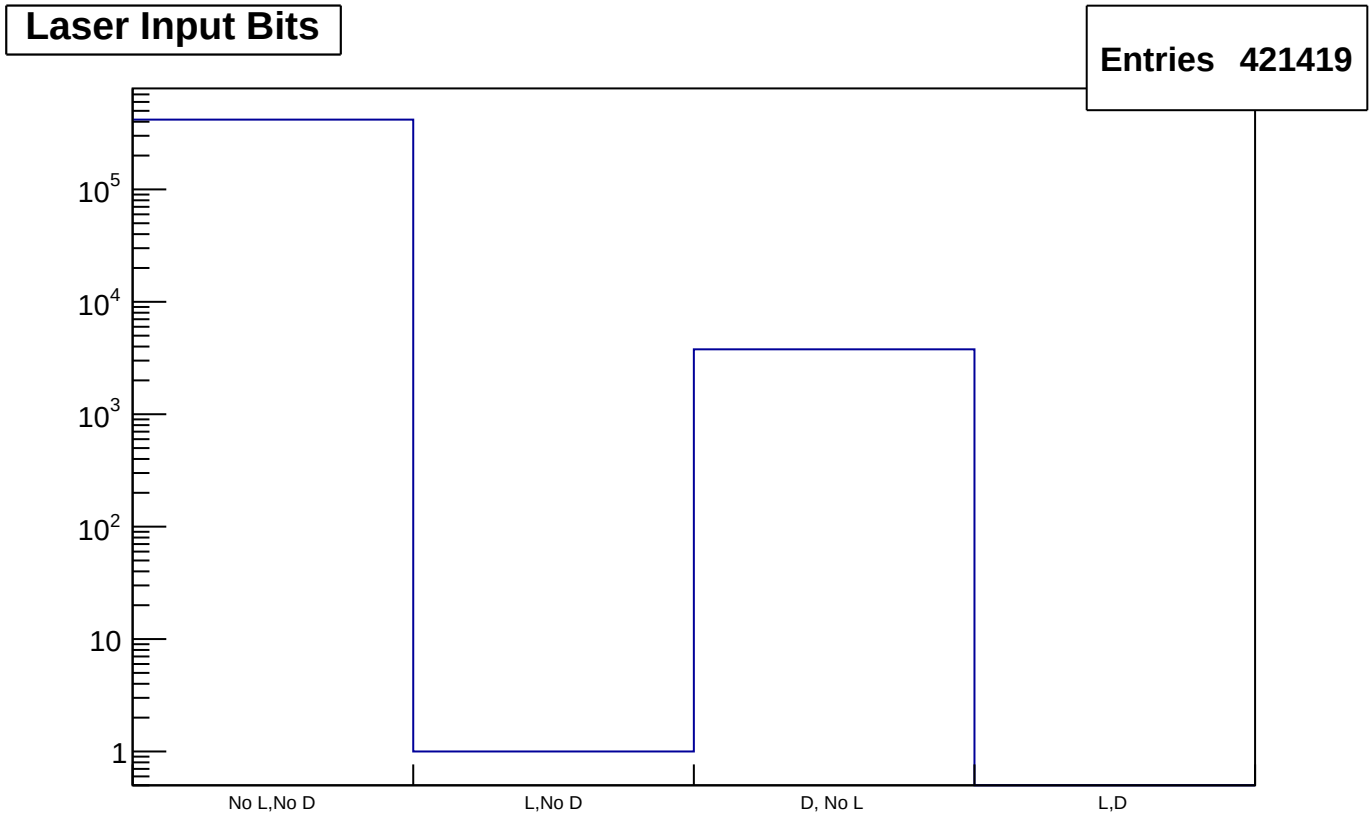

Entries 421419
TOF_Mult
VPD-West ADC Sum

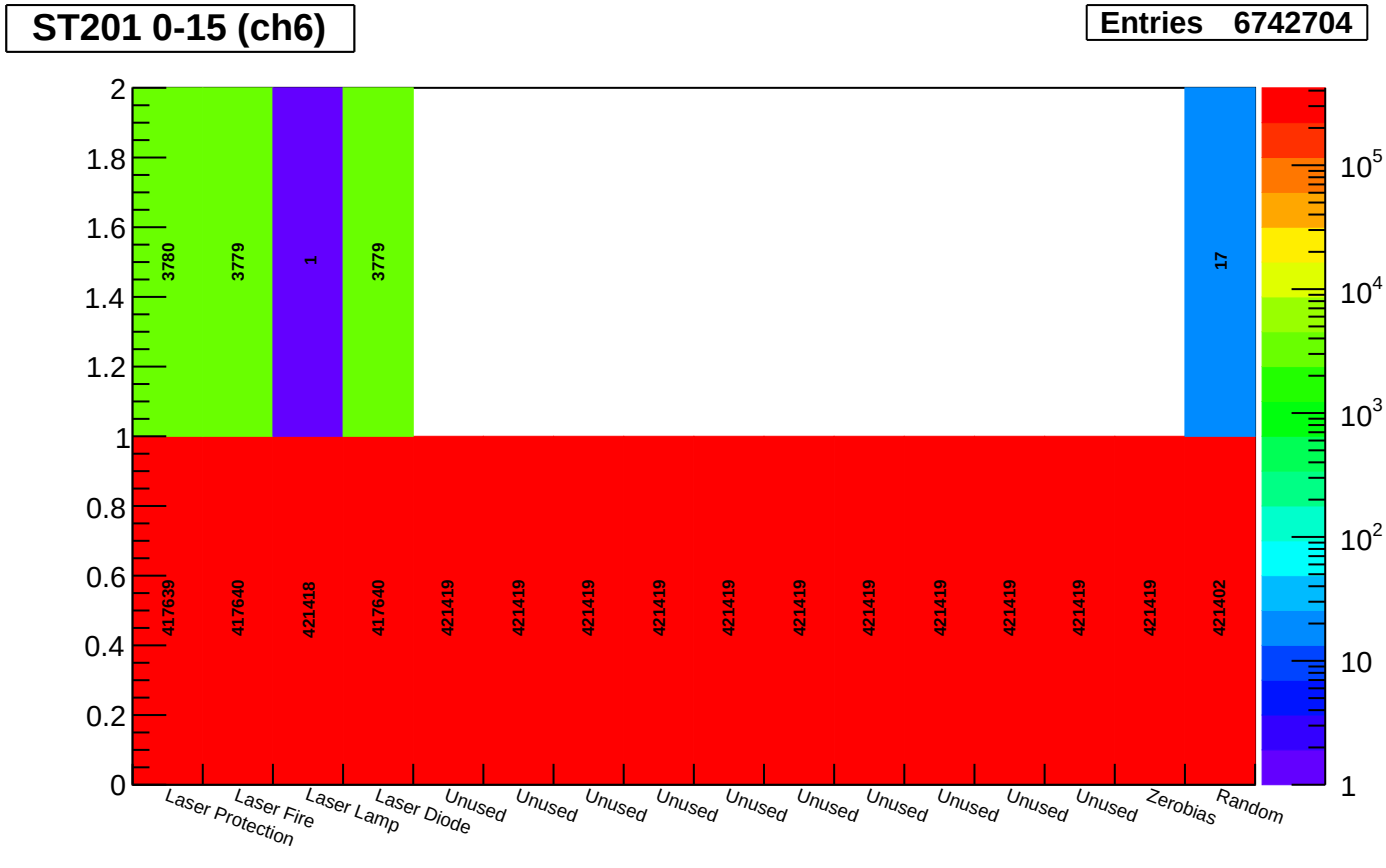

Entries 421419
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

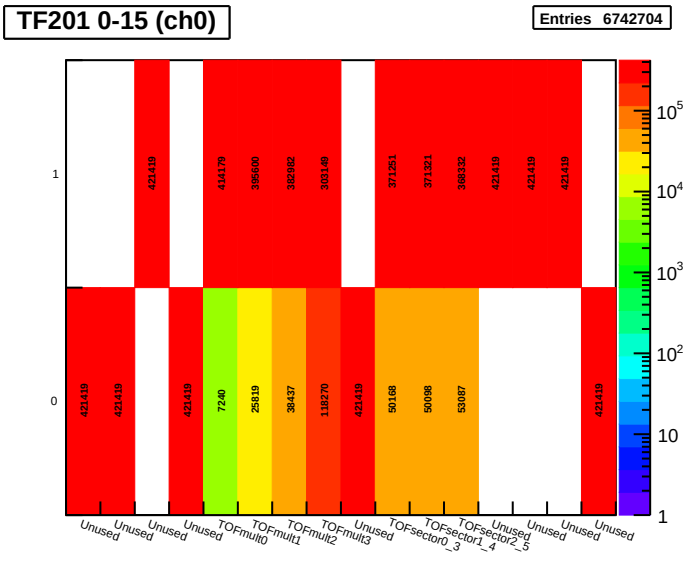

Entries 421419
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

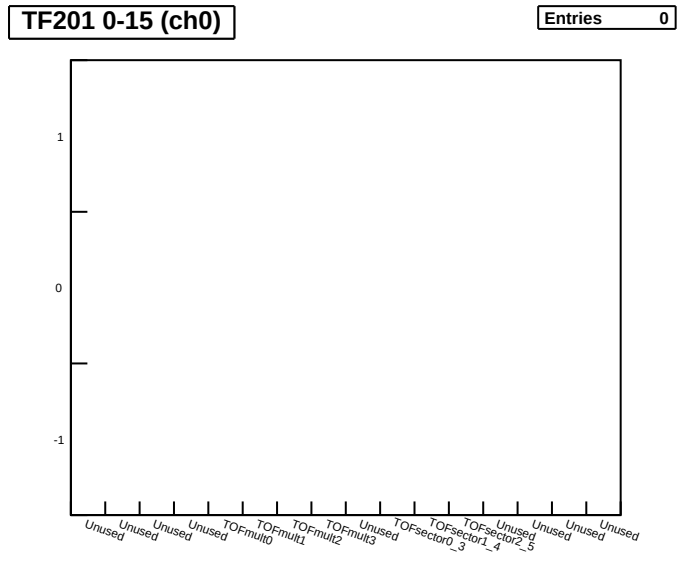

Entries 421419
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

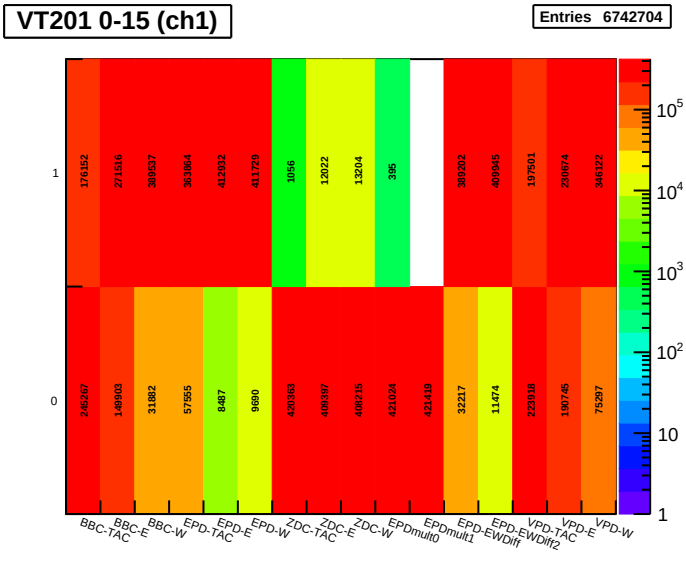

Entries 421419
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

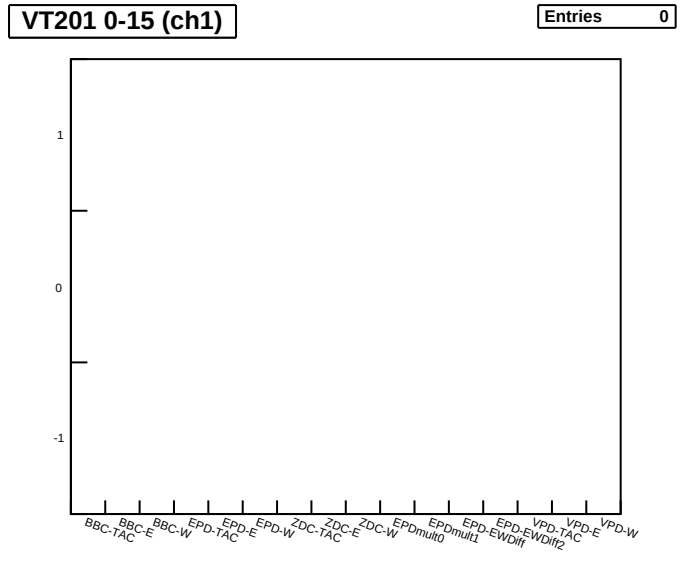

Laser Input Bits
Entries 421419
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

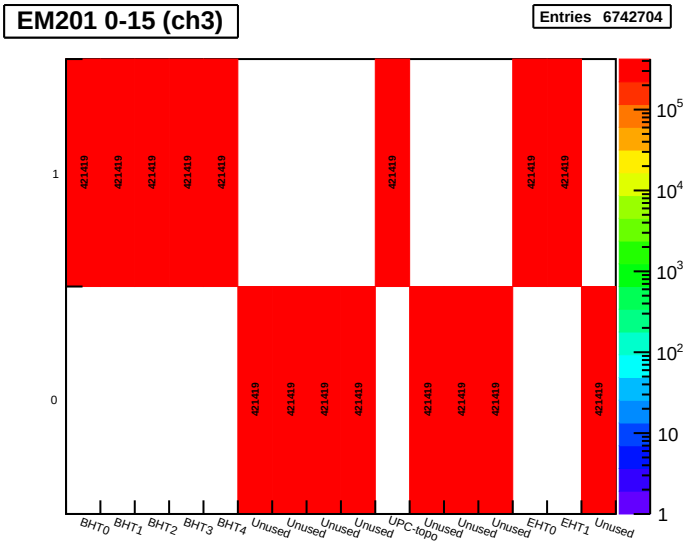

ST201 0-15 (ch6)
Entries 6742704
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3780
3779
1
3779
17
417639
417640
421418
417640
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421402
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

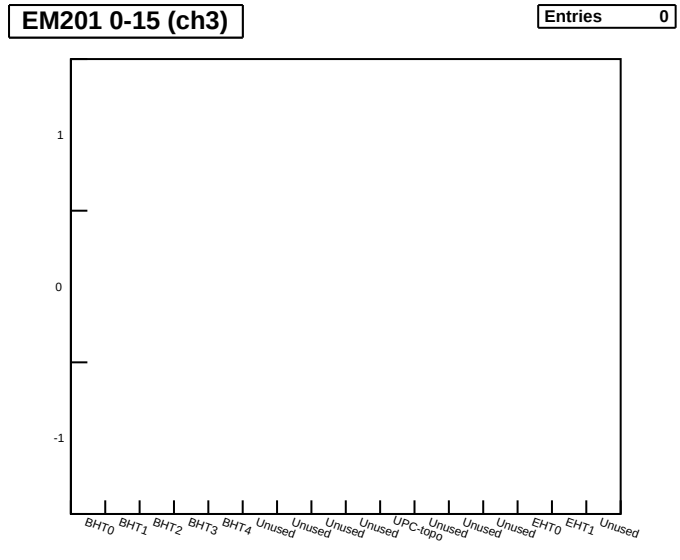

TF201 0-15 (ch0)
Entries 6742704
1
0
421419
414179
395600
382982
303149
371251
371321
368332
421419
421419
421419
421419
421419
421419
7240
25819
38437
118270
421419
50168
50098
50087
421419
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 6742704
1
0
176152
271516
369537
363864
412832
411729
1056
12022
13204
395
389202
409945
197501
230674
346122
245267
149903
31882
57555
8487
9690
420363
409397
408215
421024
421419
32217
11474
223918
190745
75297
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 6742704
1
0
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
421419
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