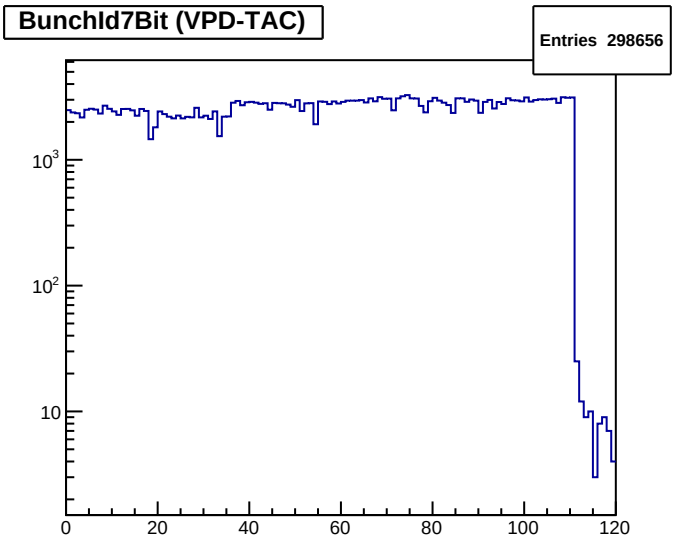
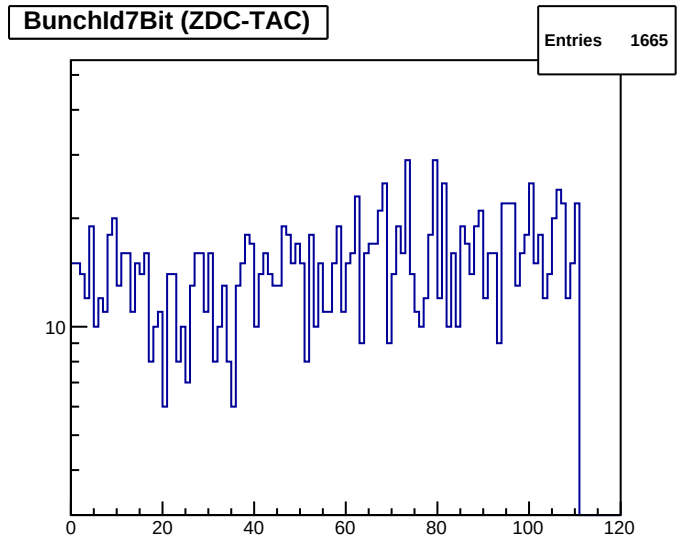
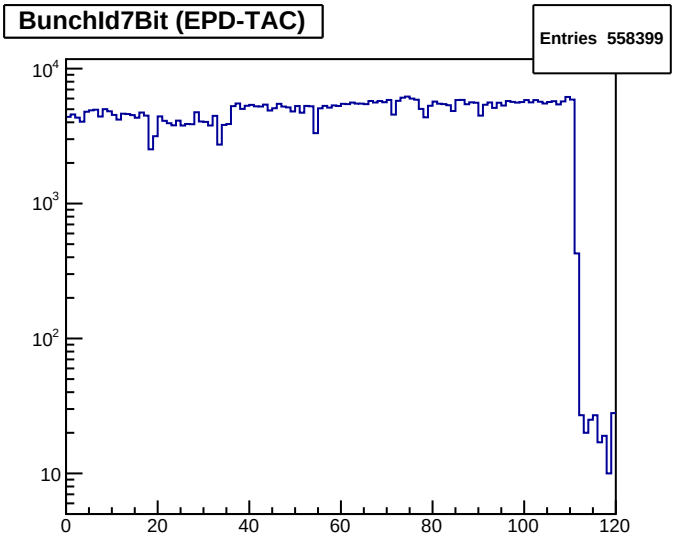
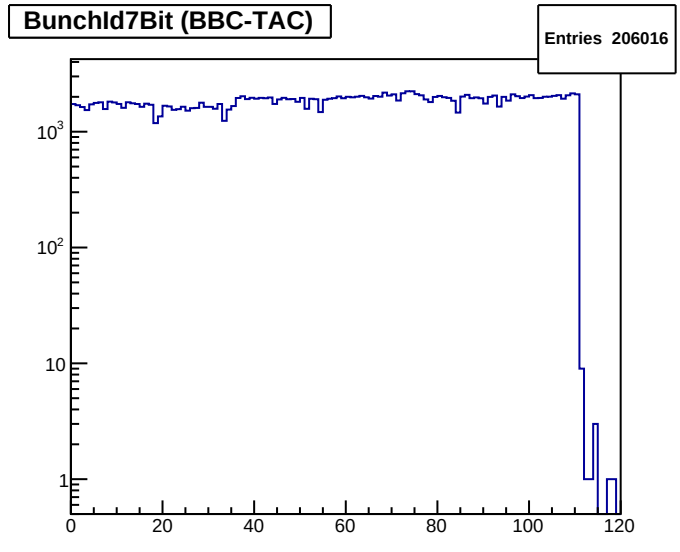
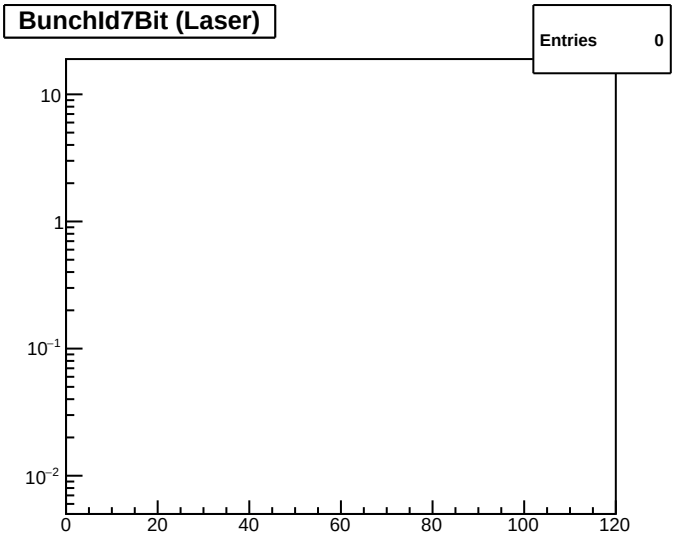
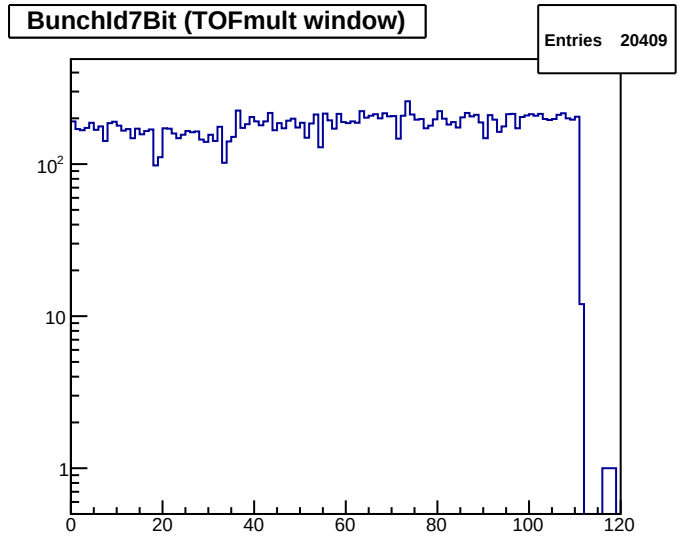

BunchId7Bit (VPD-TAC)
Entries 298656
10^3
10^2
10
0 20 40 60 80 100 120

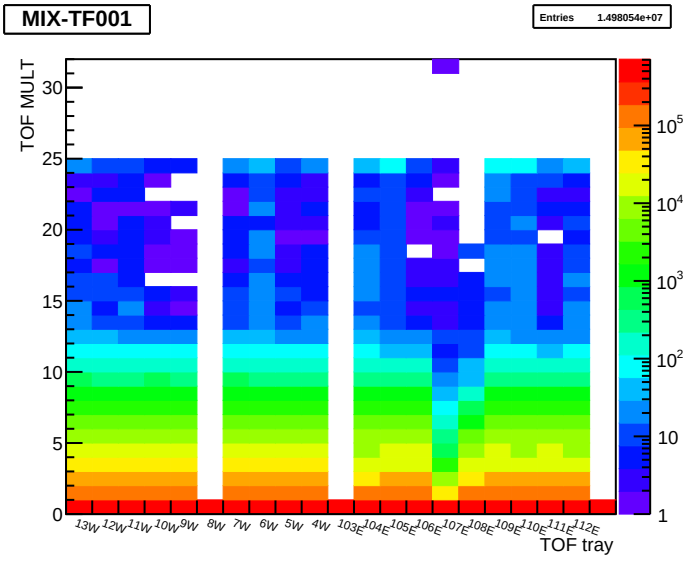

BunchId7Bit (ZDC-TAC)
Entries 1665
10
0 20 40 60 80 100 120

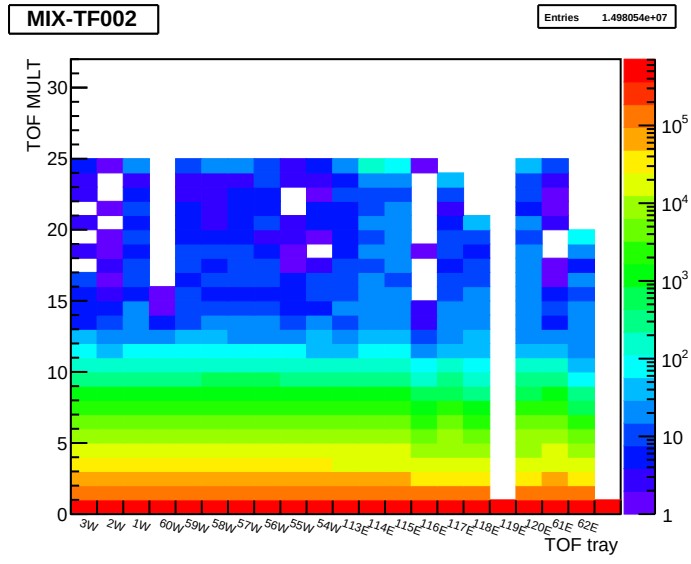

BunchId7Bit (EPD-TAC)
Entries 558399
10^4
10^3
10^2
10
0 20 40 60 80 100 120

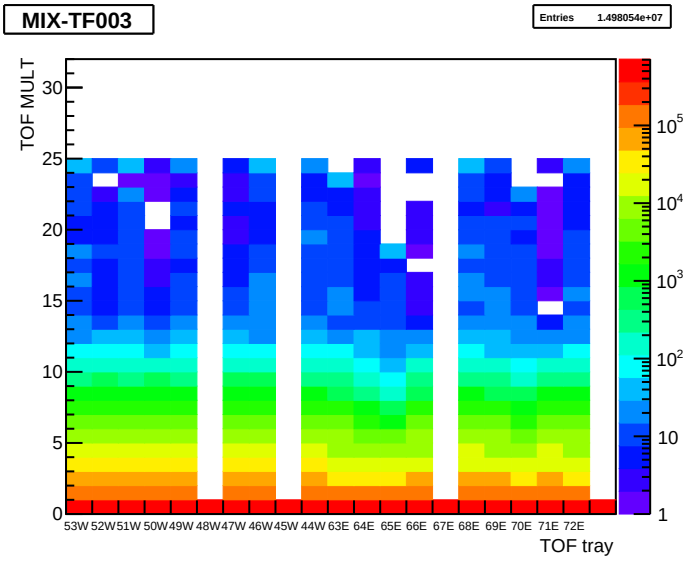

BunchId7Bit (BBC-TAC)
Entries 206016
10^3
10^2
10
1
0 20 40 60 80 100 120

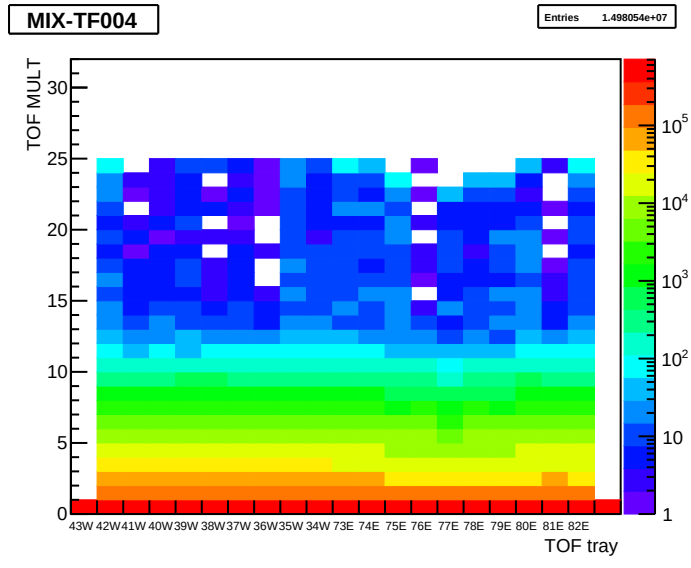

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

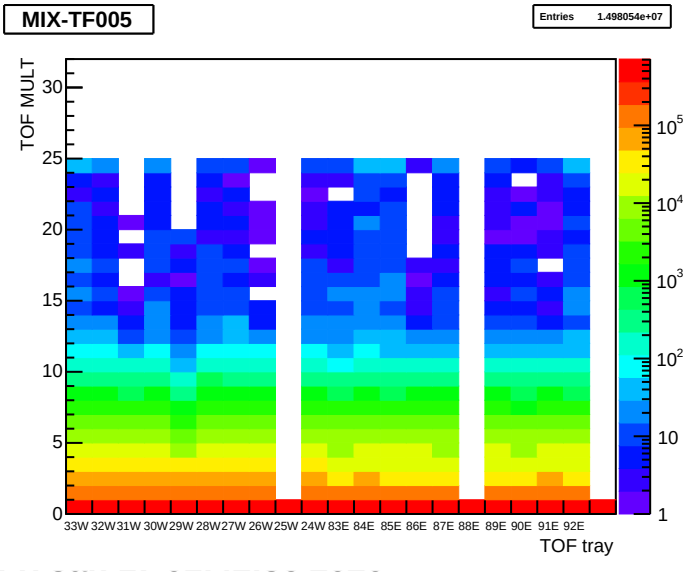

BunchId7Bit (TOFmult window)
Entries 20409
10^2
10
1
0 20 40 60 80 100 120

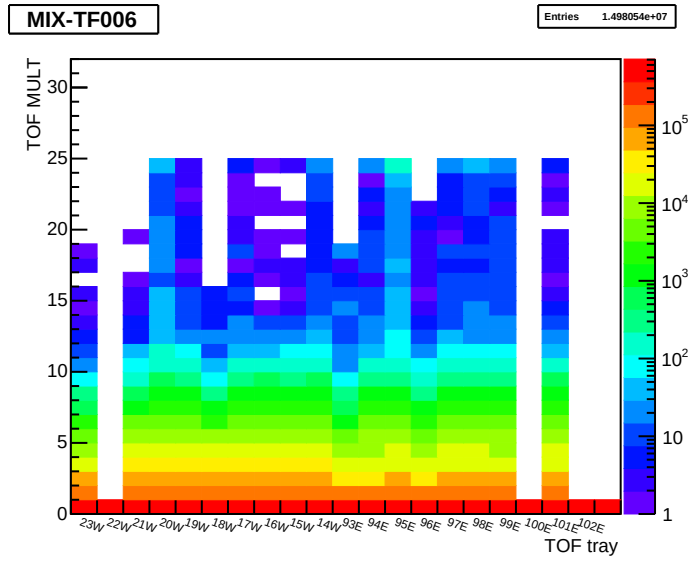

MIX-TF001
Entries 1.498054e+07
TOF MULT
TOF tray

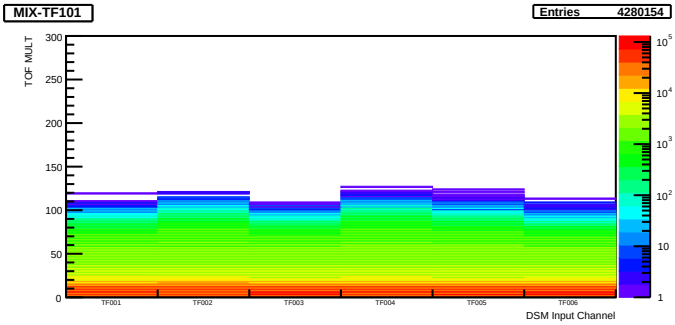

MIX-TF002
Entries 1.498054e+07
TOF MULT
TOF tray

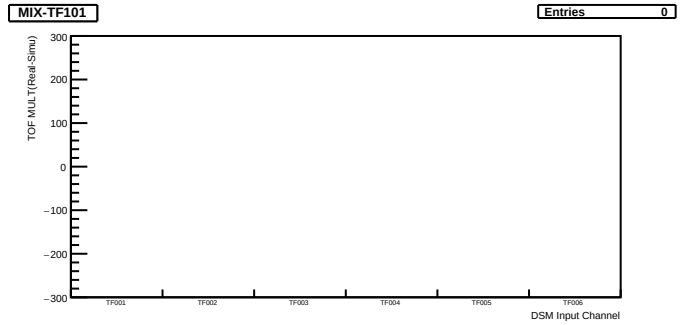

MIX-TF003
Entries 1.498054e+07
TOF MULT
TOF tray

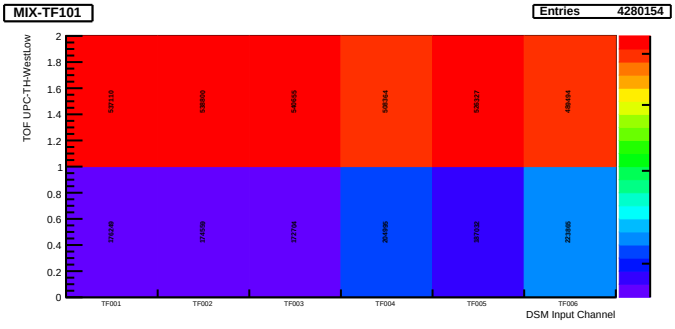

MIX-TF004
Entries 1.498054e+07
TOF MULT
TOF tray

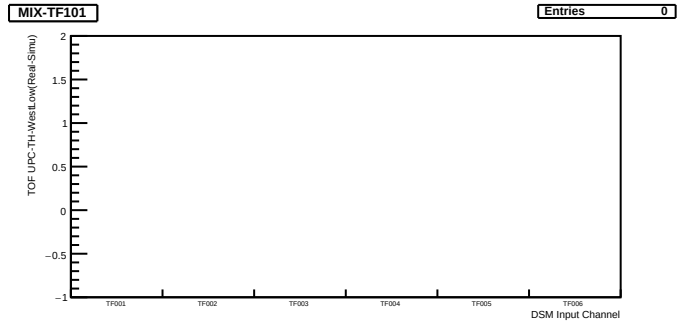

MIX-TF005
Entries 1.498054e+07
TOF MULT
TOF tray

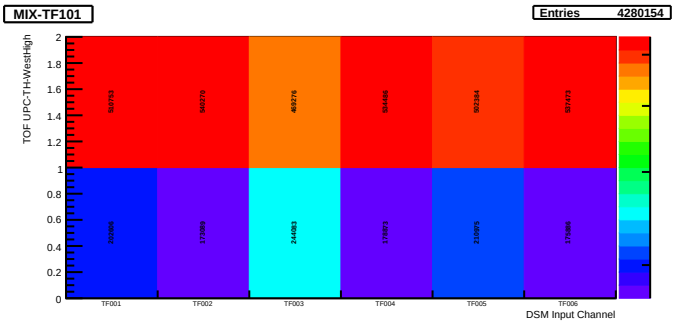

MIX-TF006
Entries 1.498054e+07
TOF MULT
TOF tray

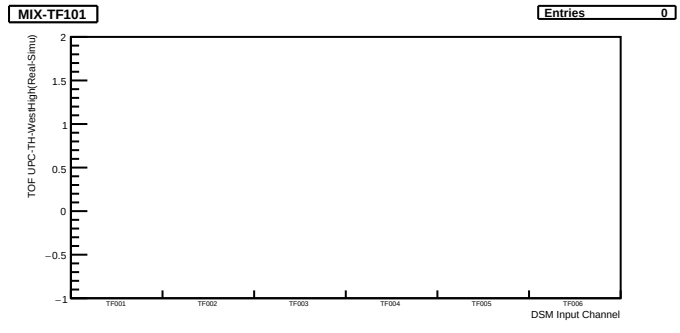

MIX-TF101
Entries 4280154
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

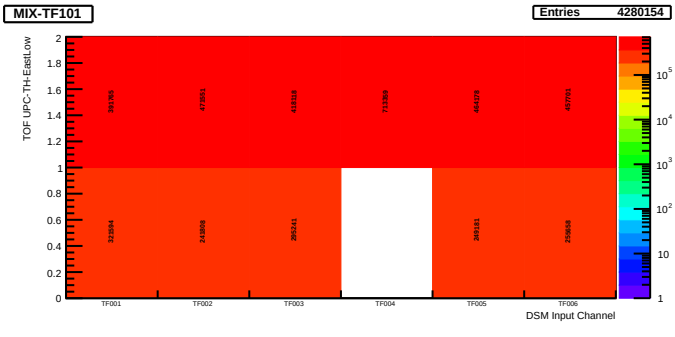

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

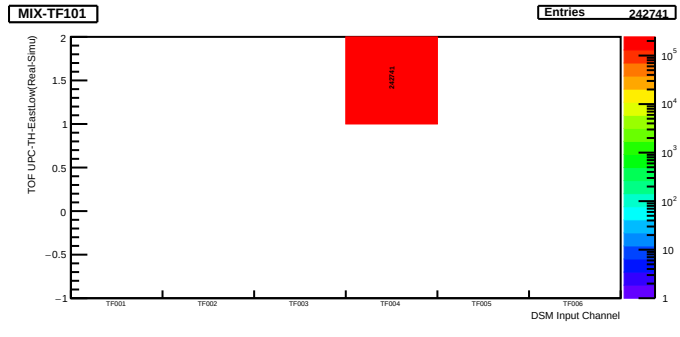

MIX-TF101
Entries 4280154
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

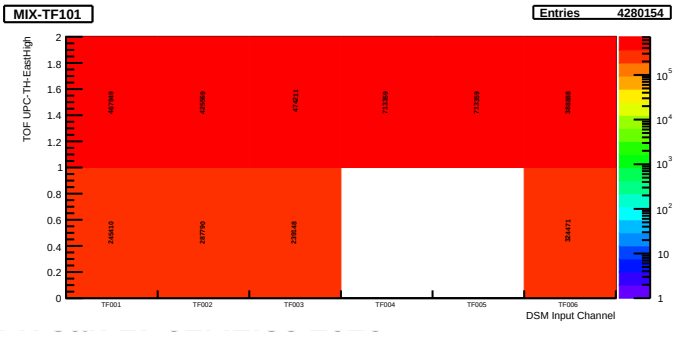

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

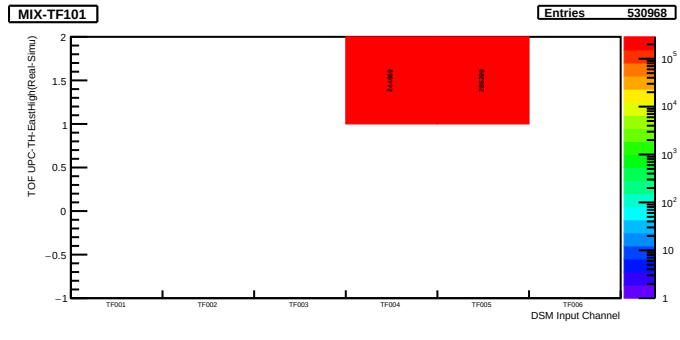

MIX-TF101
Entries 4280154
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

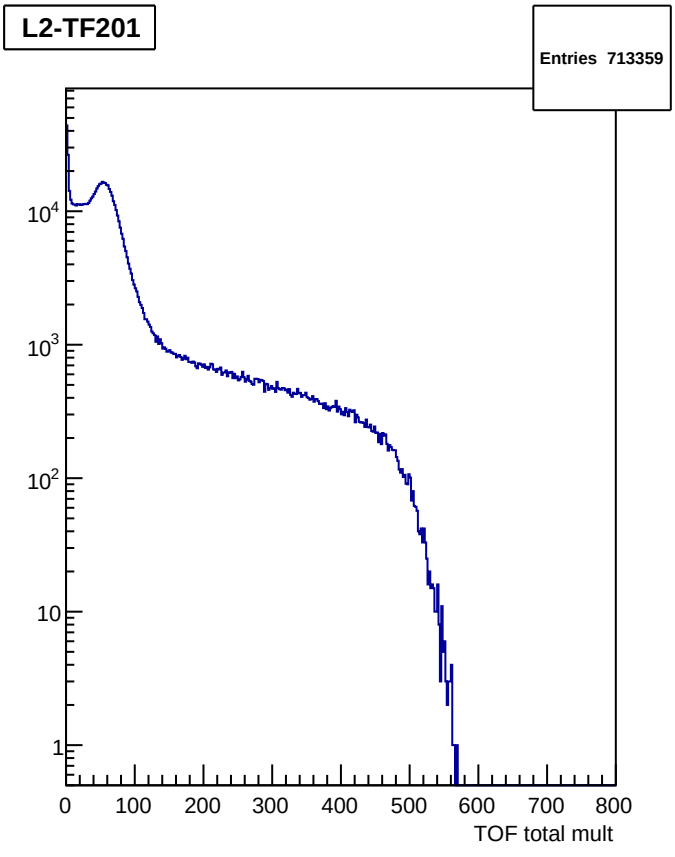

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

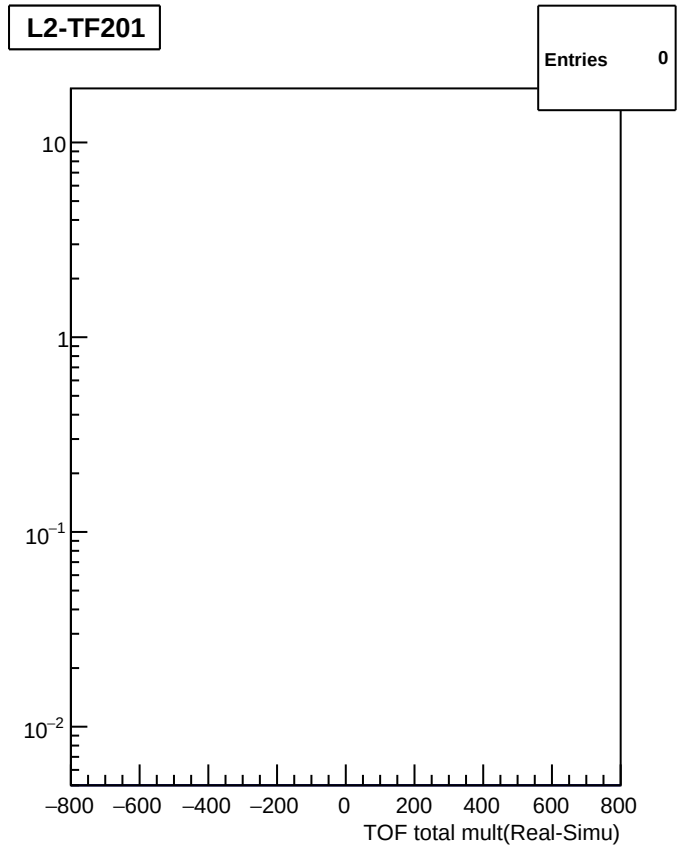

MIX-TF101
Entries 4280154
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

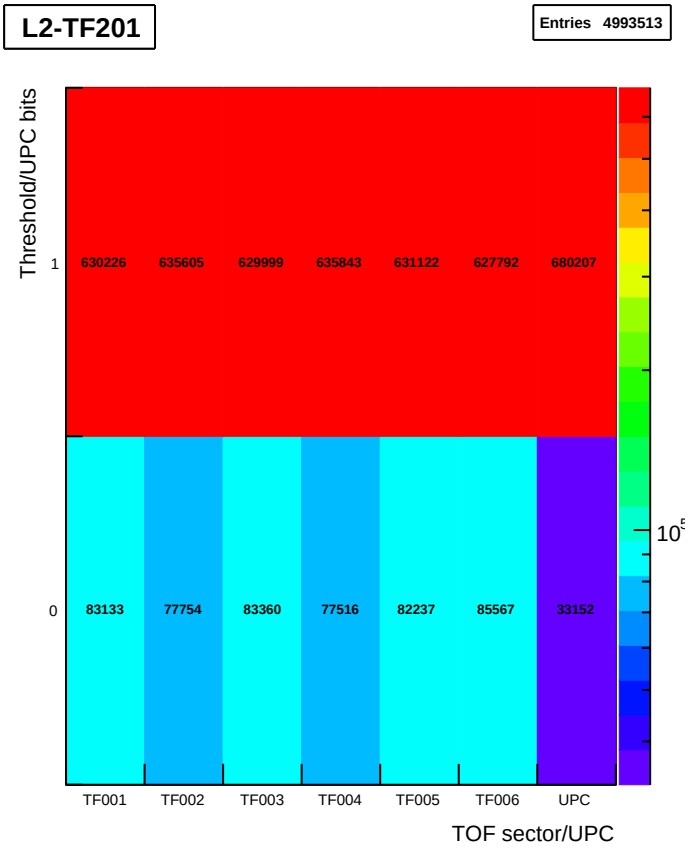

MIX-TF101
Entries 242741
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

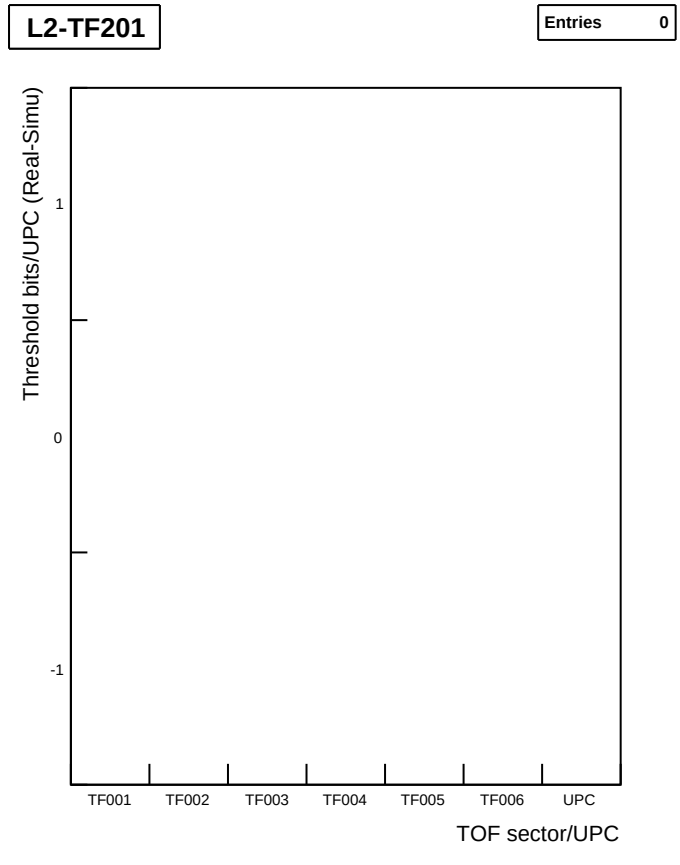

MIX-TF101
Entries 4280154
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

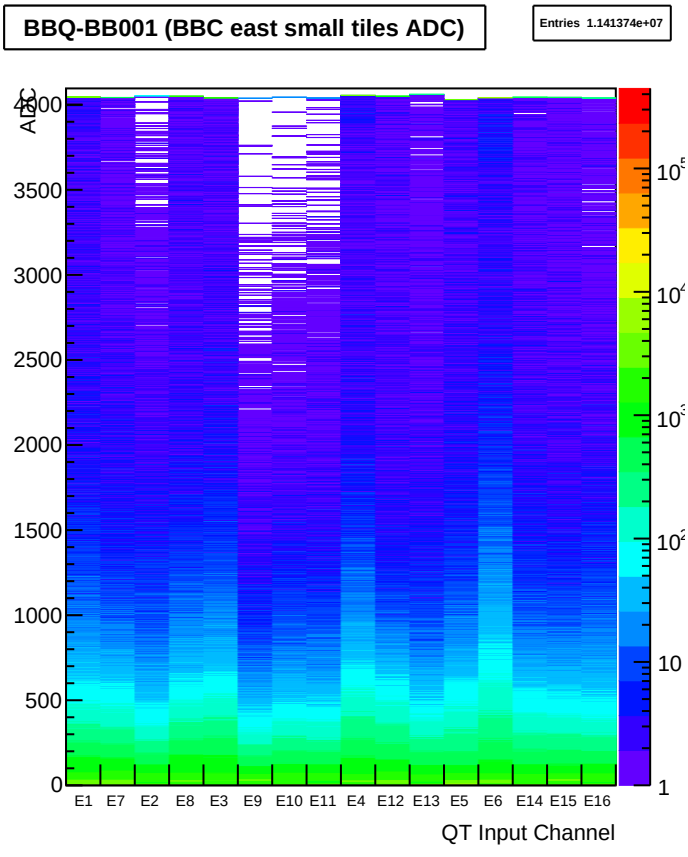

MIX-TF101
Entries 530968
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

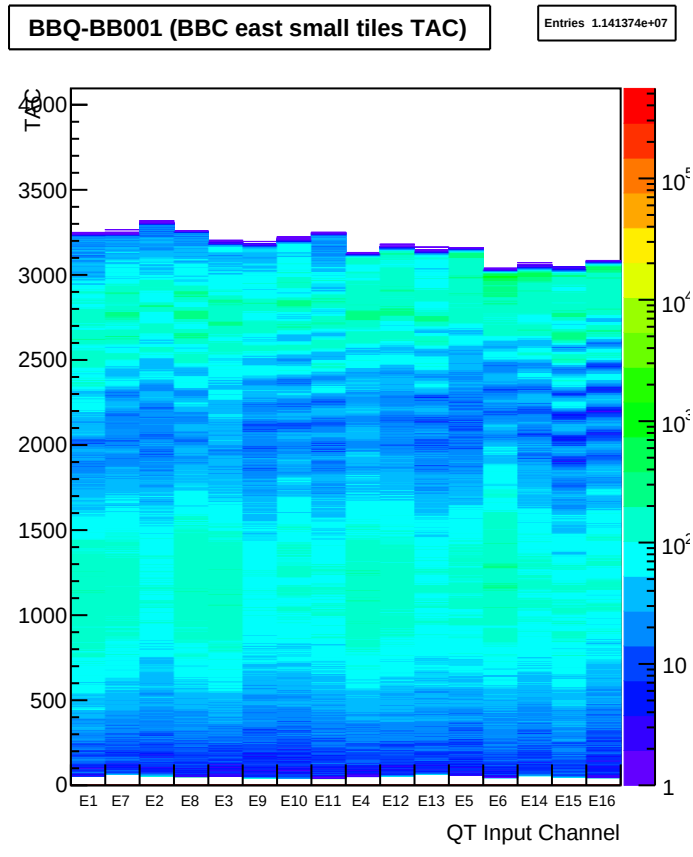

L2-TF201
Entries 713359
TOF total mult

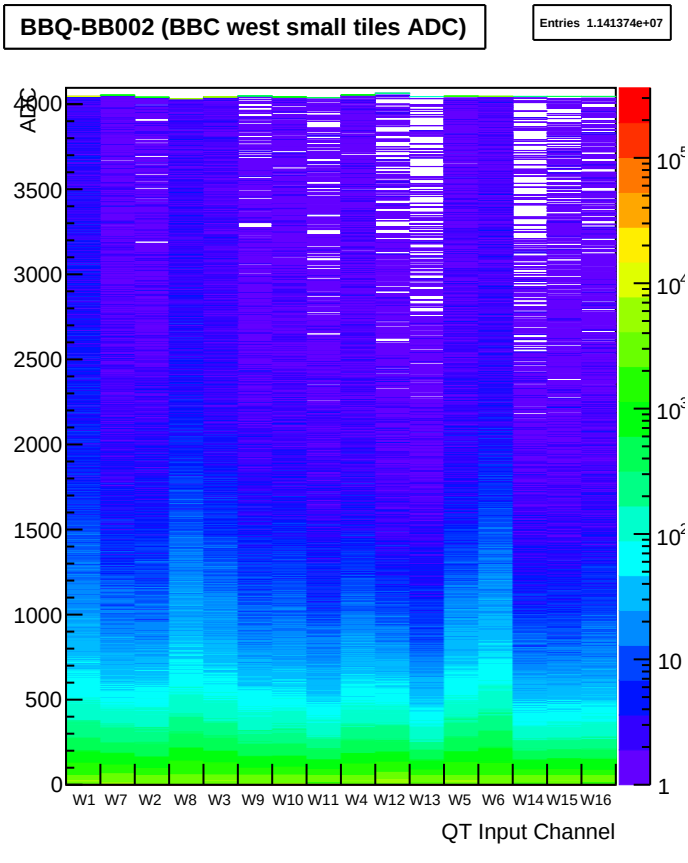

L2-TF201
Entries 0
TOF total mult(Real-Simu)

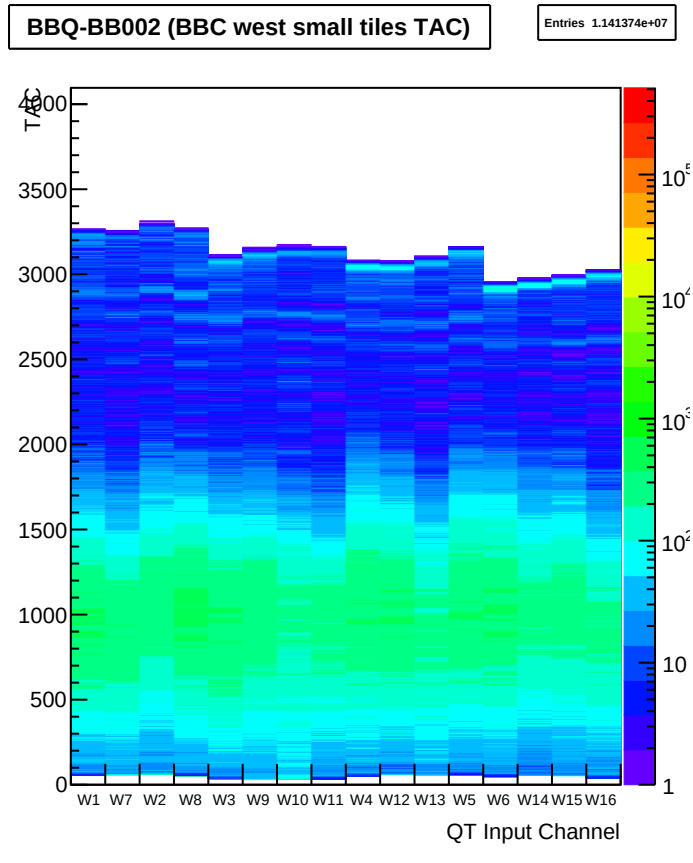

L2-TF201
Entries 4993513
Threshold/UPC bits
630226
635605
629999
635843
631122
627792
680207
83133
77754
83360
77516
82237
85567
33152
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

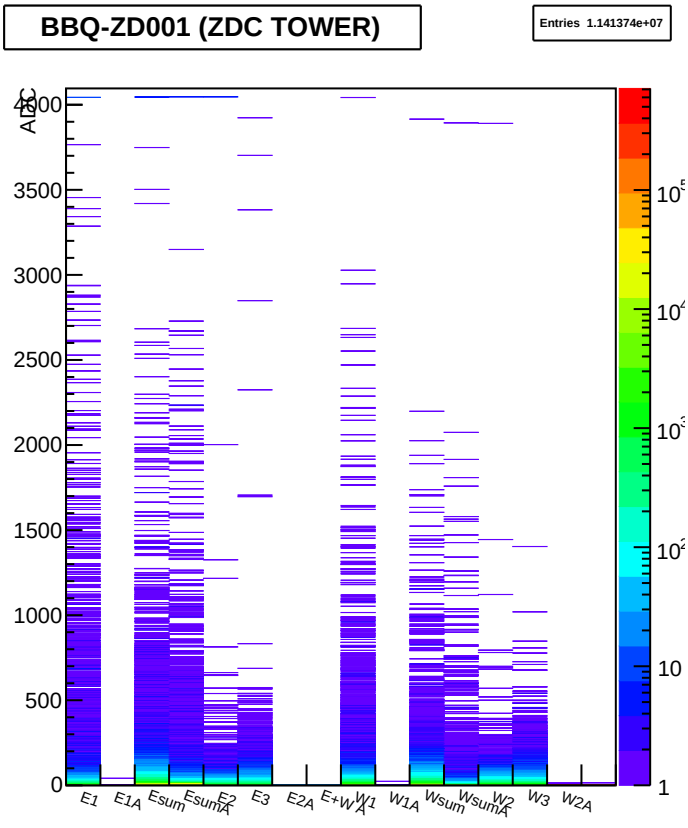

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

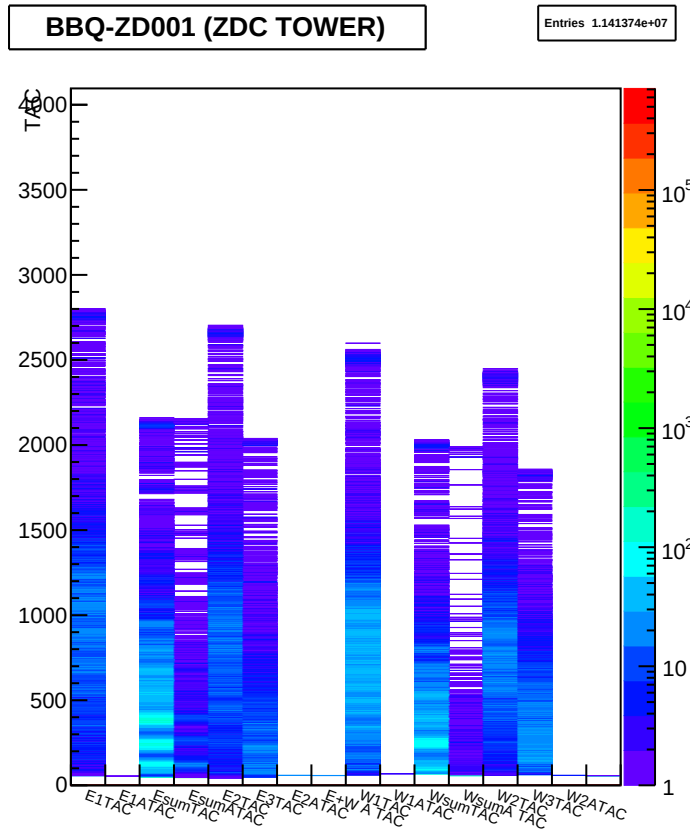

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.141374e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

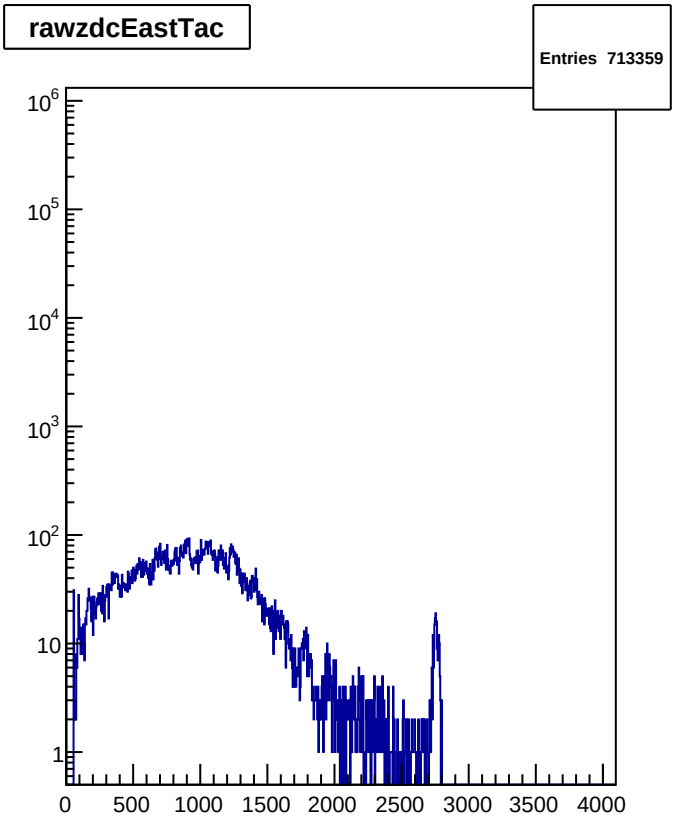

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.141374e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

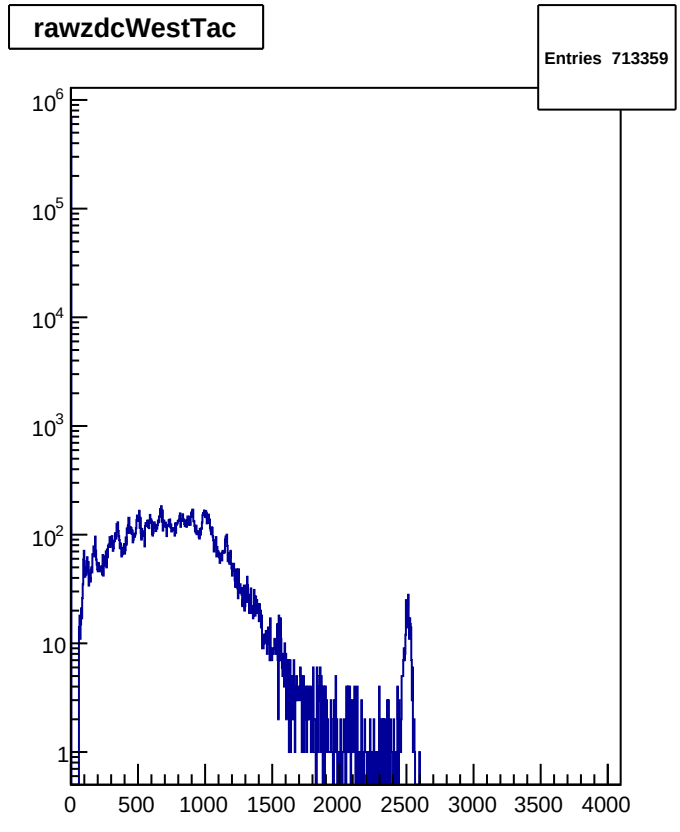

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.141374e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

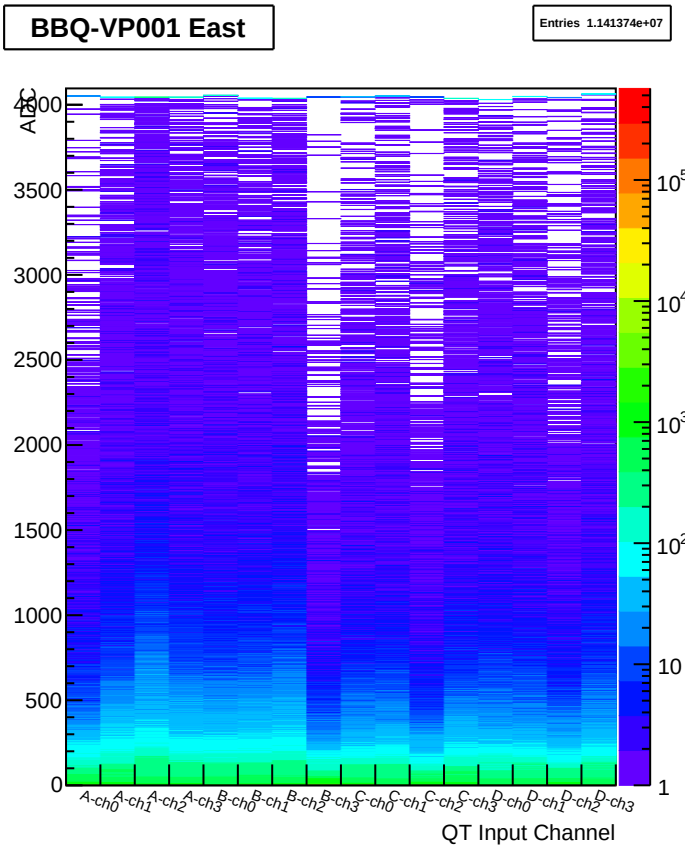

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.141374e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

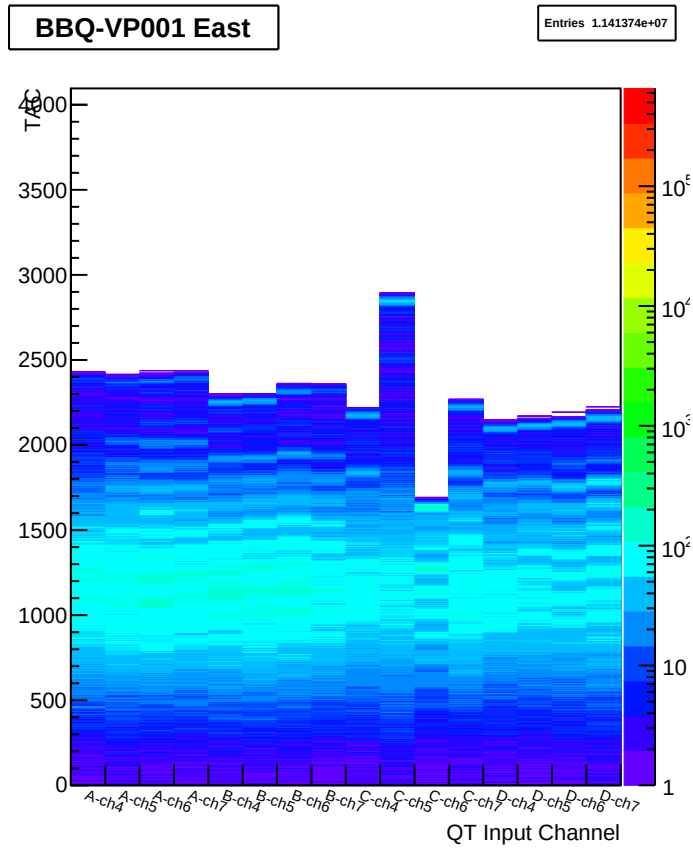

BBQ-ZD001 (ZDC TOWER)
Entries 1.141374e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

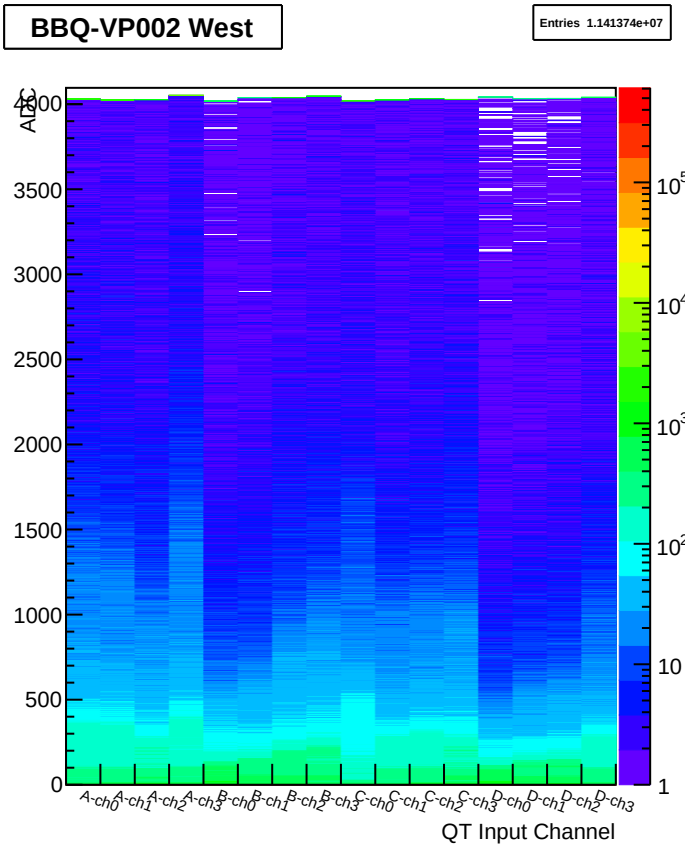

BBQ-ZD001 (ZDC TOWER)
Entries 1.141374e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

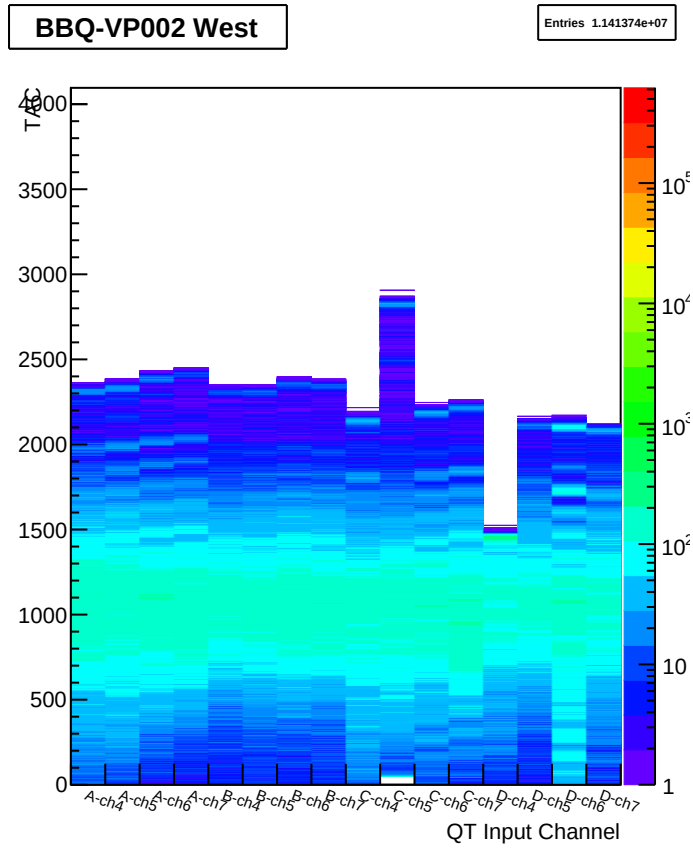

rawzdcEastTac
Entries 713359

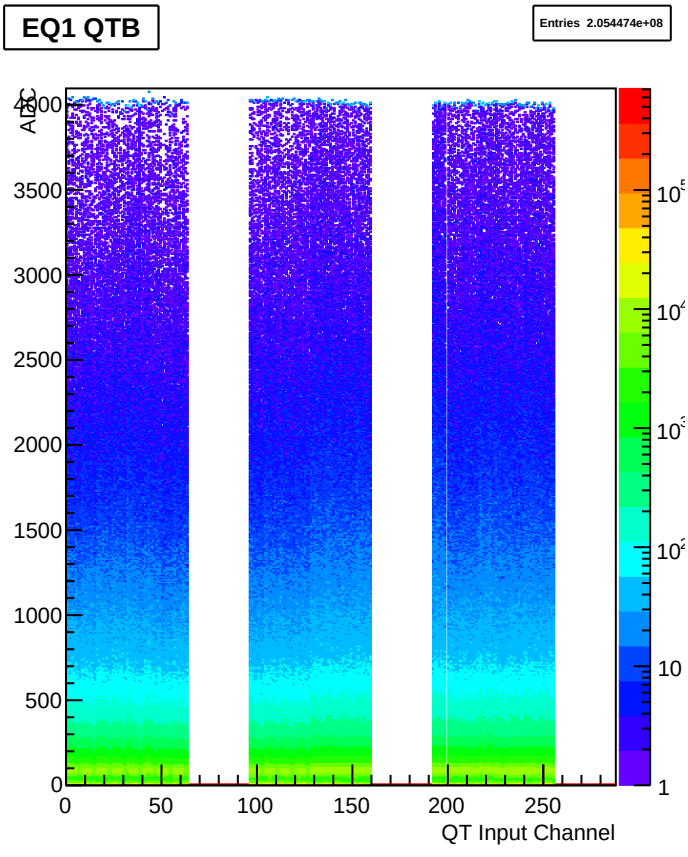

rawzdcWestTac
Entries 713359

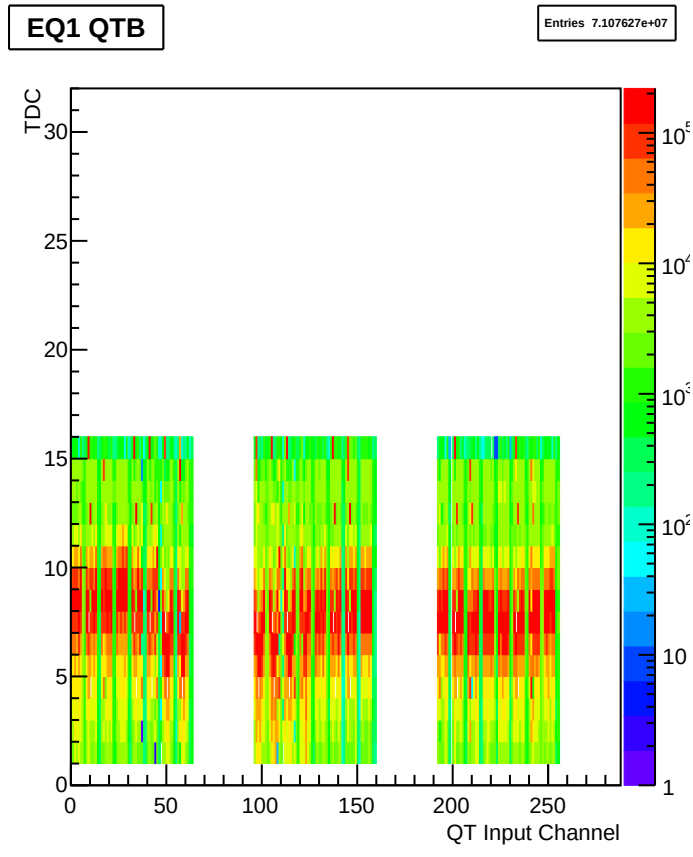

BBQ-VP001 East
Entries 1.141374e+07
ADC
QT Input Channel

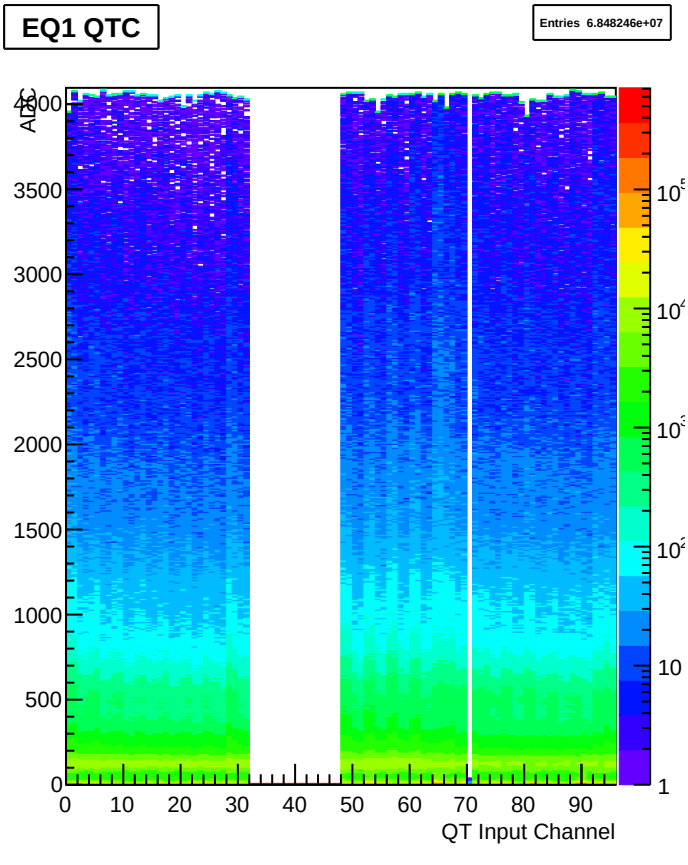

BBQ-VP001 East
Entries 1.141374e+07
TADC
QT Input Channel

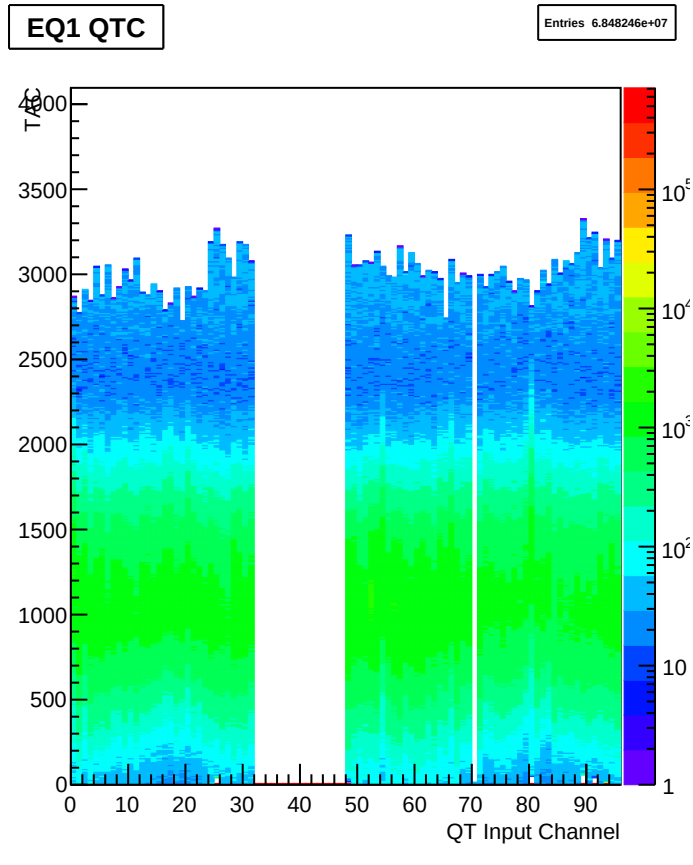

BBQ-VP002 West
Entries 1.141374e+07
ADC
QT Input Channel

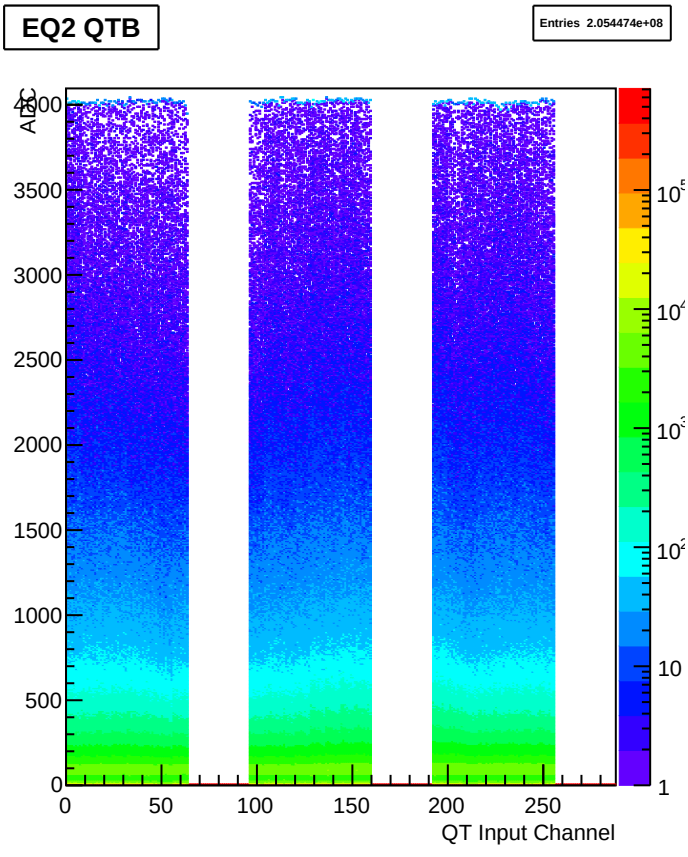

BBQ-VP002 West
Entries 1.141374e+07
TADC
QT Input Channel

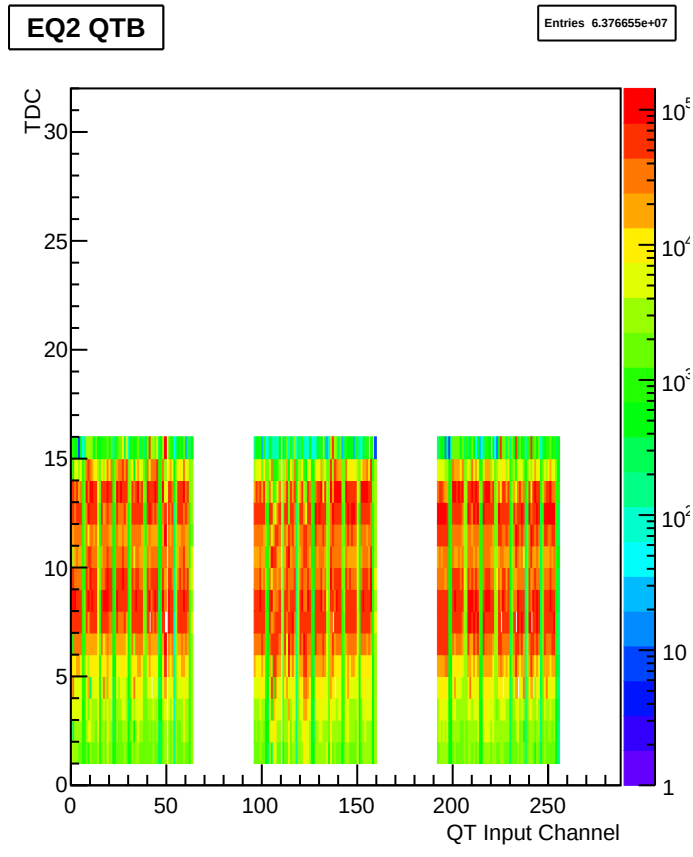

EQ1 QTB
Entries 2.054474e+08
ADC
QT Input Channel

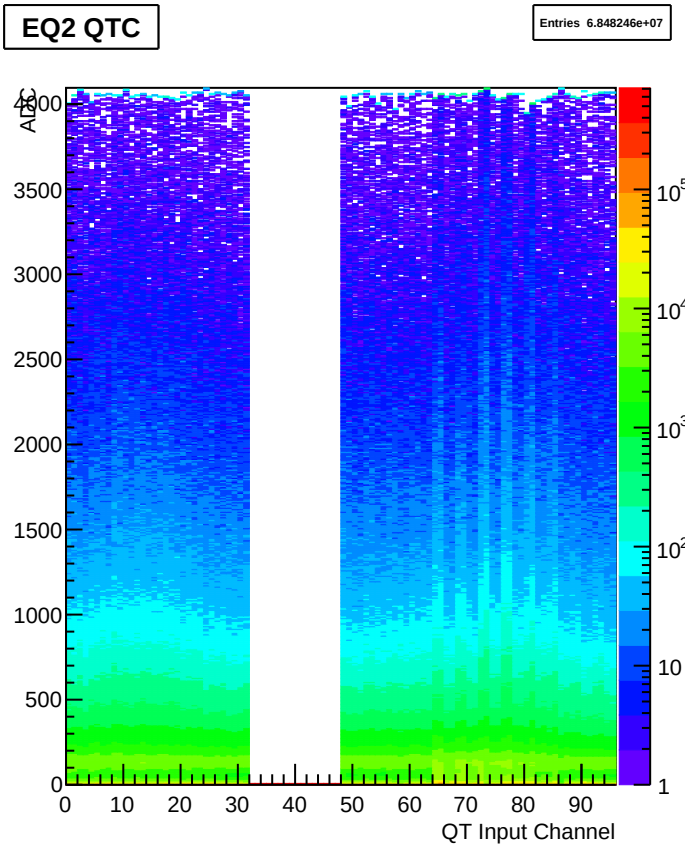

EQ1 QTB
Entries 7.107627e+07
TDC
QT Input Channel

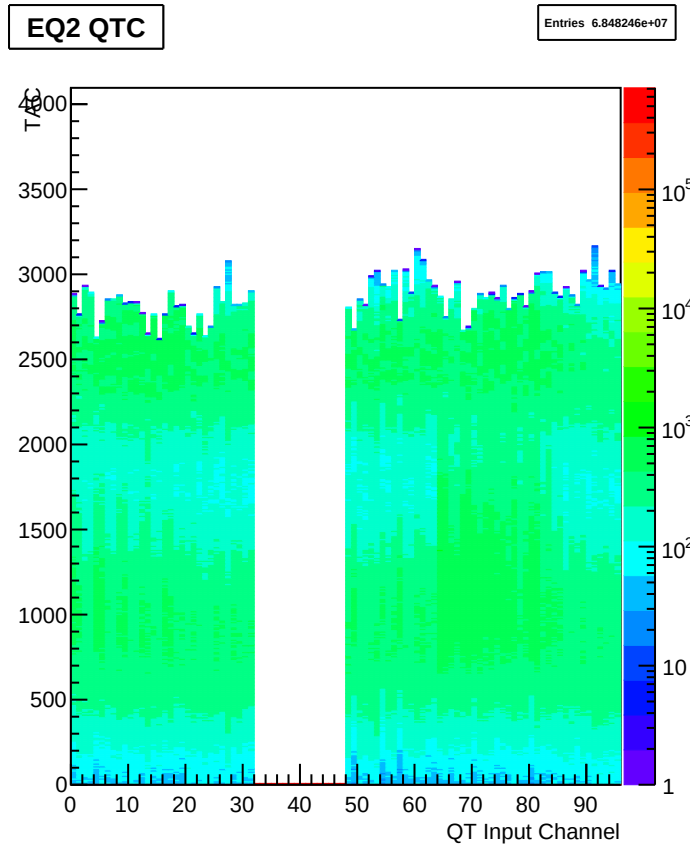

EQ1 QTC
Entries 6.848246e+07
ADC
QT Input Channel

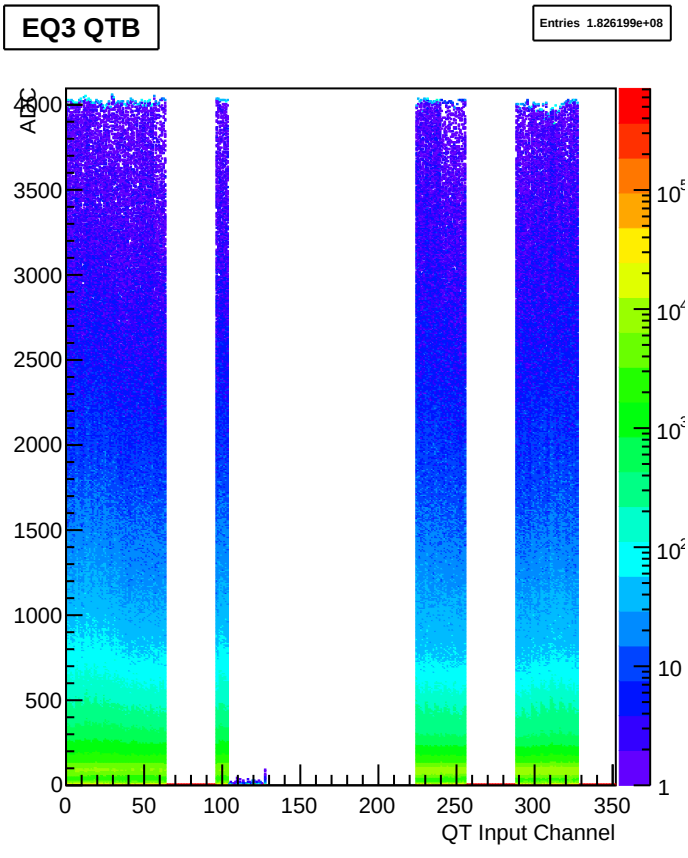

EQ1 QTC
Entries 6.848246e+07
TADC
QT Input Channel

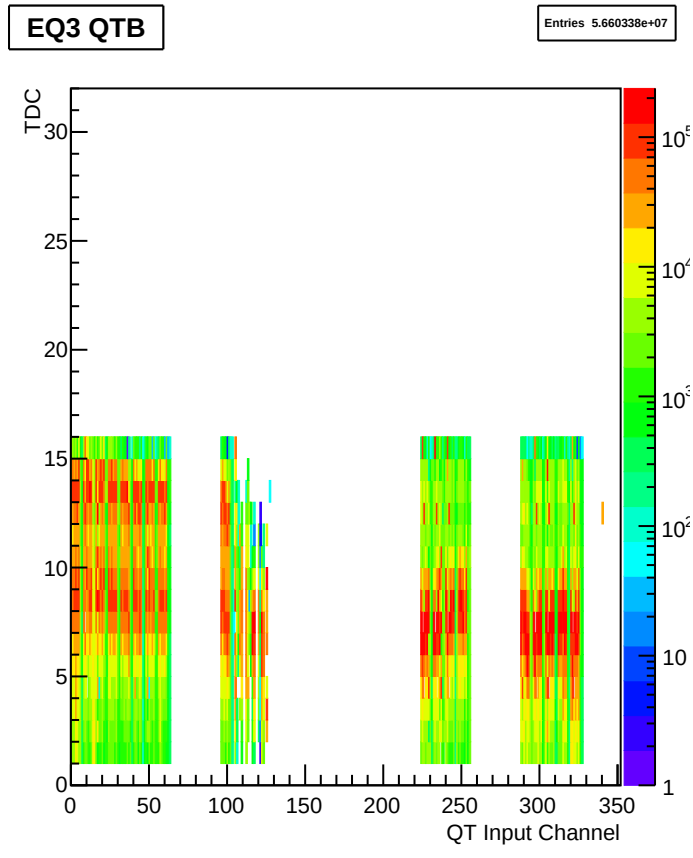

EQ2 QTB
Entries 2.054474e+08
ADC
QT Input Channel

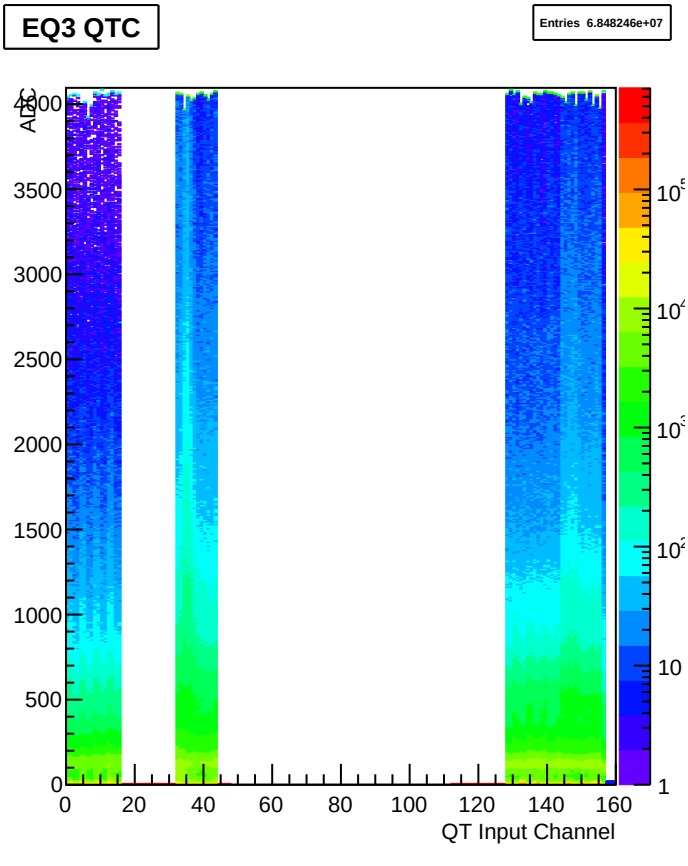

EQ2 QTB
Entries 6.376655e+07
TDC
QT Input Channel

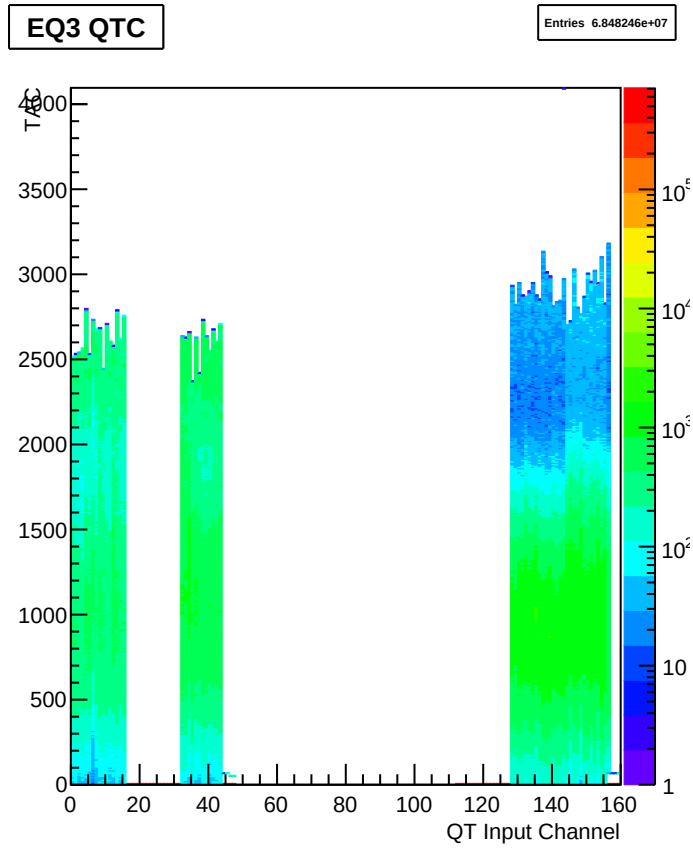

EQ2 QTC
Entries 6.848246e+07
ADC
QT Input Channel

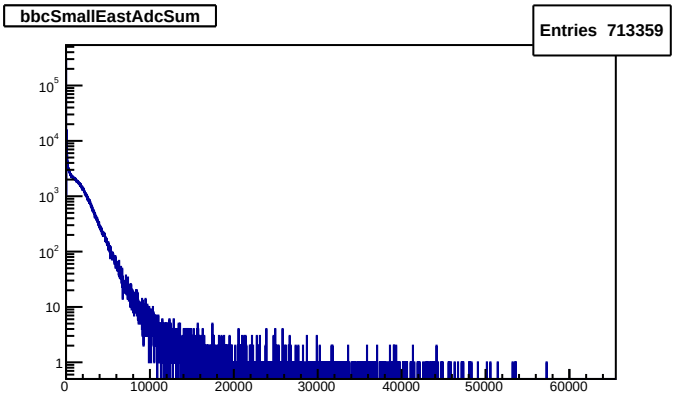

EQ2 QTC
Entries 6.848246e+07
TADC
QT Input Channel

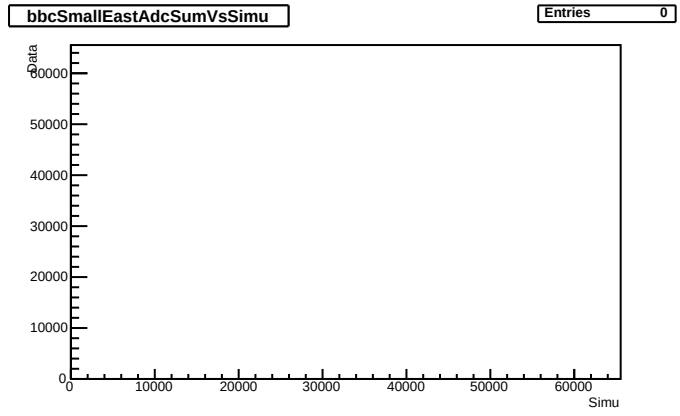

EQ3 QTB
Entries 1.826199e+08
ADC
QT Input Channel

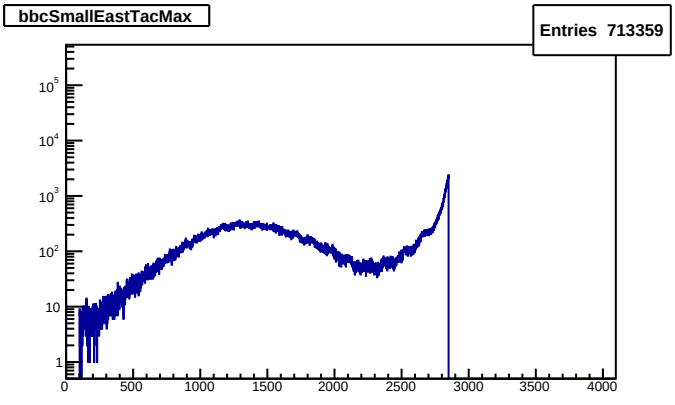

EQ3 QTB
Entries 5.660338e+07
TDC
QT Input Channel


EQ3 QTC
Entries 6.848246e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.848246e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 713359


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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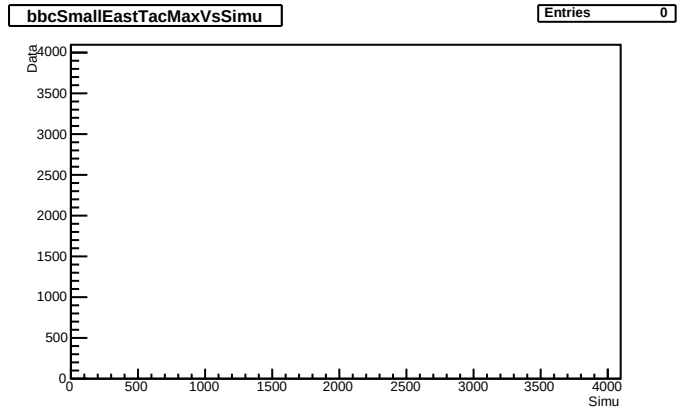
Entries 713359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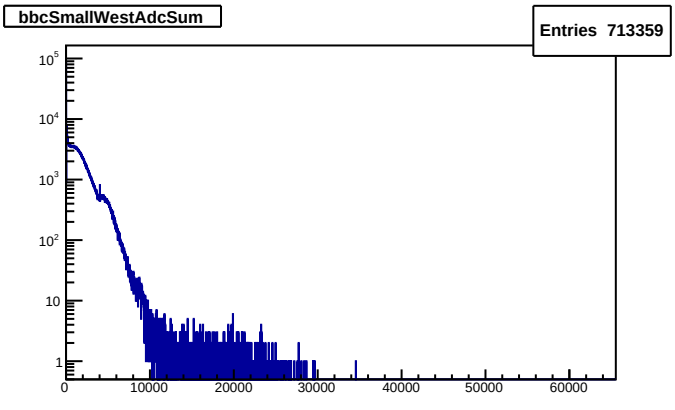
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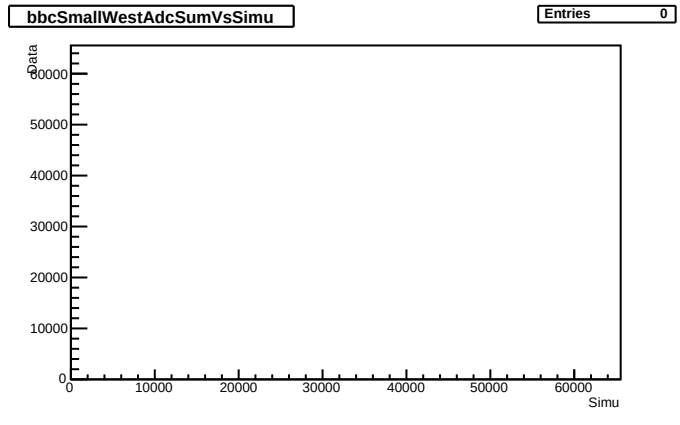
Entries 713359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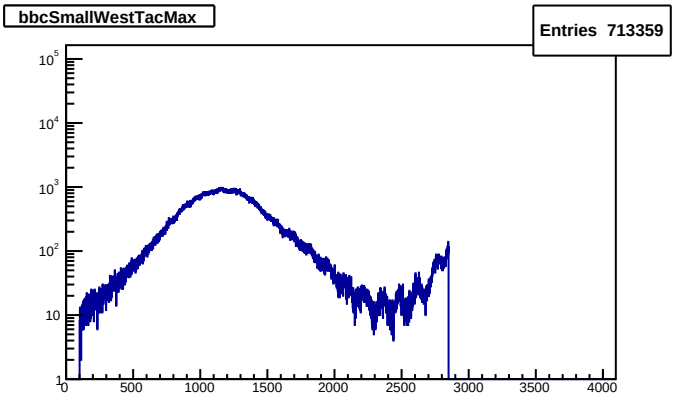
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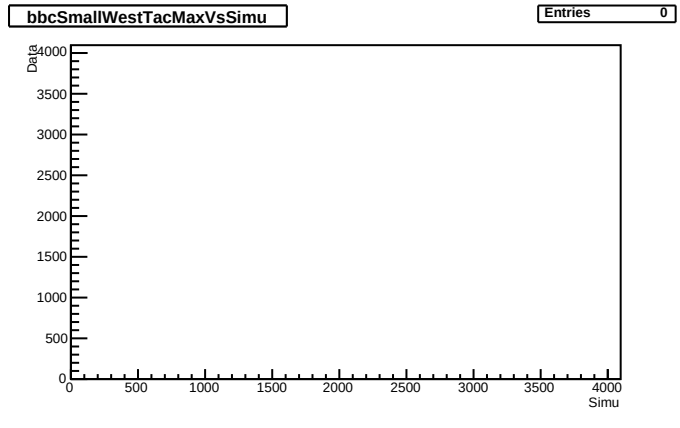
bbcSmallWestTacMaxVsSimu
Entries 0
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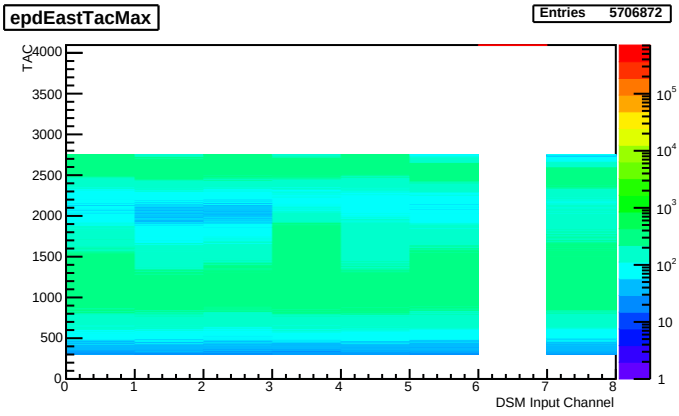
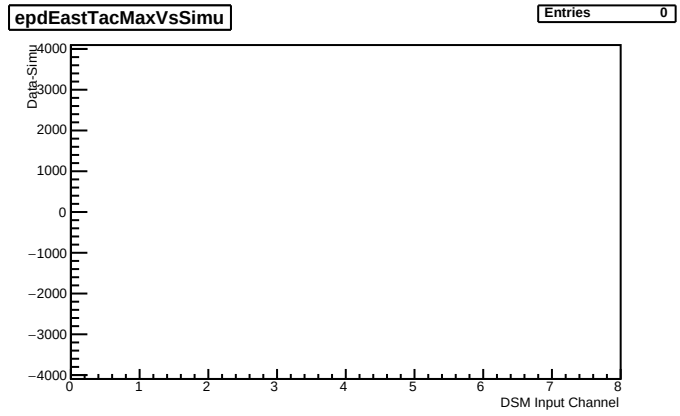
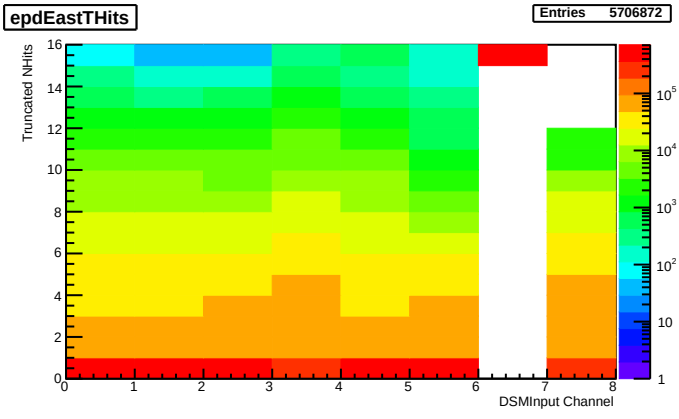
Simu


epdEastTacMax
Entries 5706872
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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Entries 5706872
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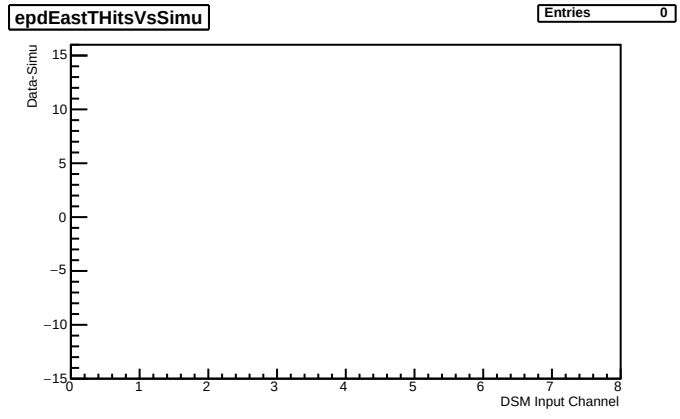
DSMInput Channel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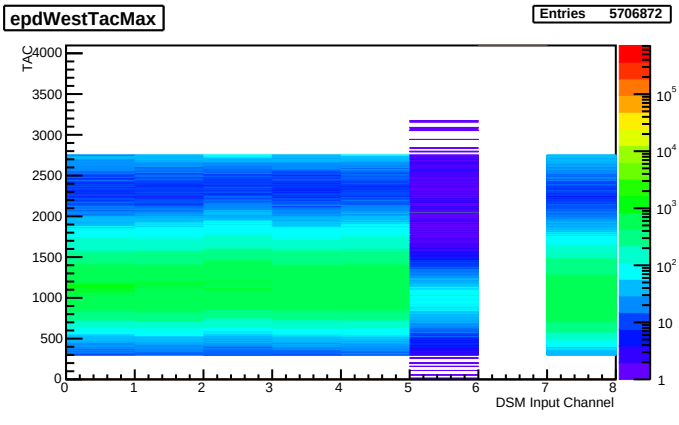
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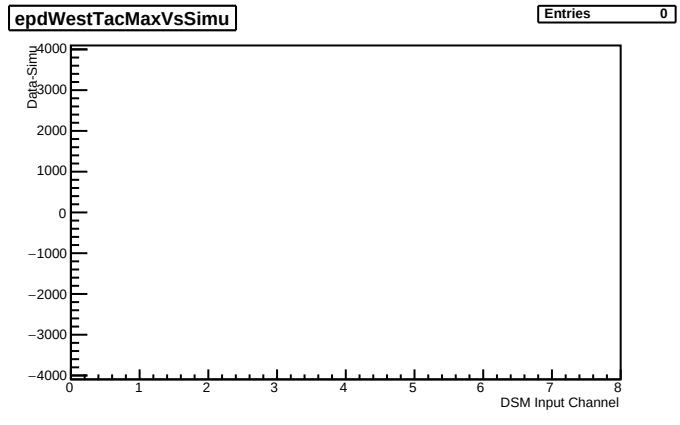
Entries 5706872
TAC
DSM Input Channel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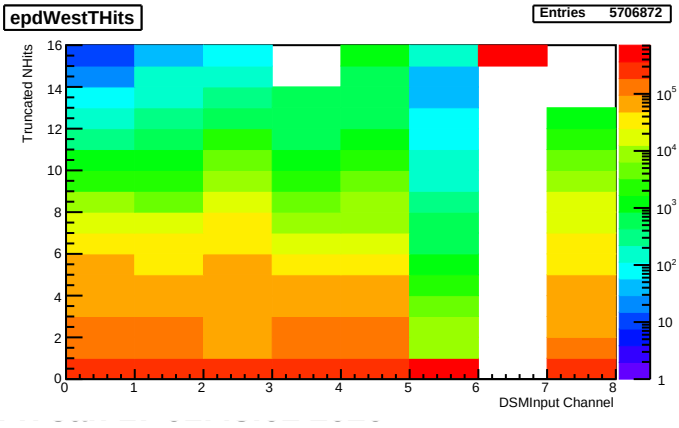
Data-Simu
DSM Input Channel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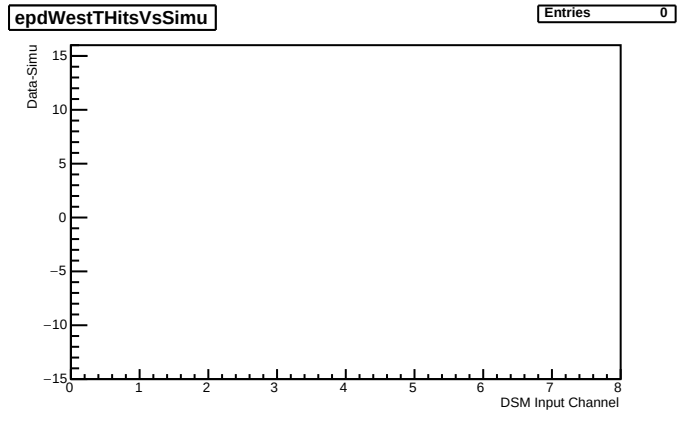
DSMInput Channel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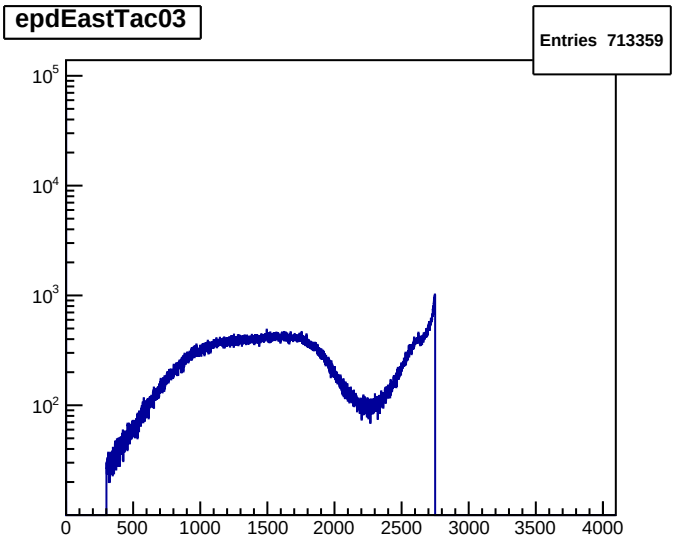
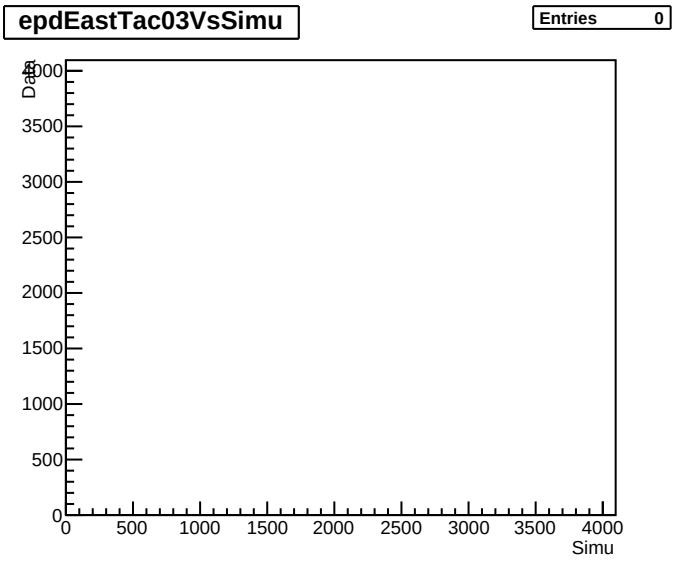
DSM Input Channel


epdEastTac03
Entries 713359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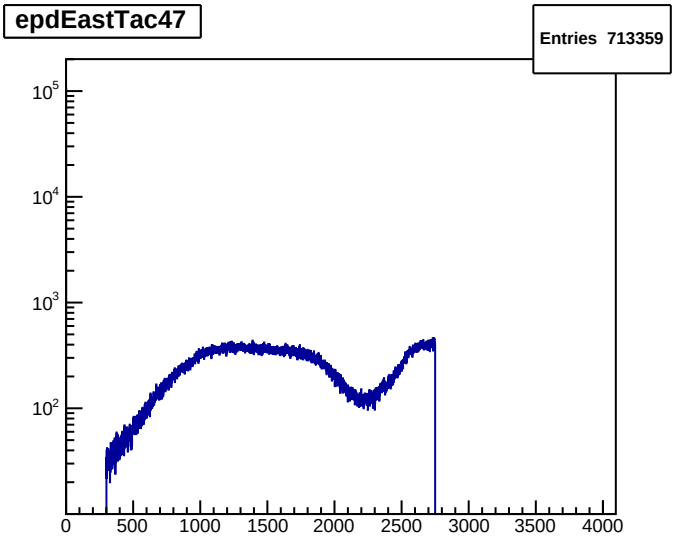
Entries 0
Data
Simu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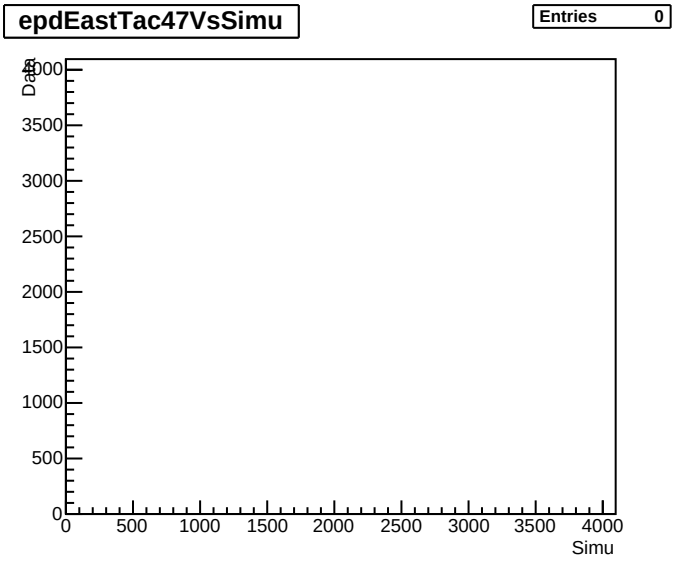
Entries 713359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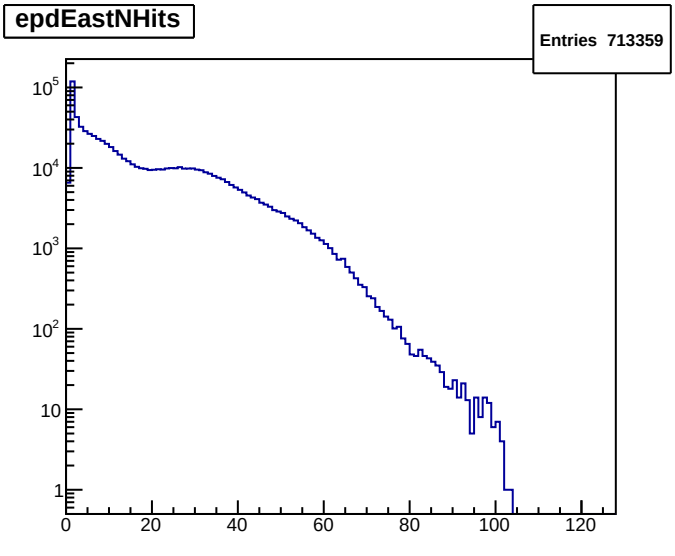
Entries 0
Data
Simu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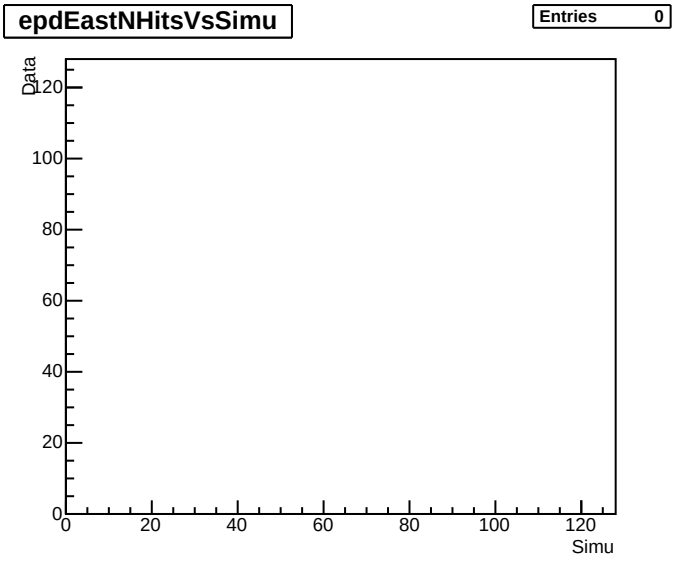
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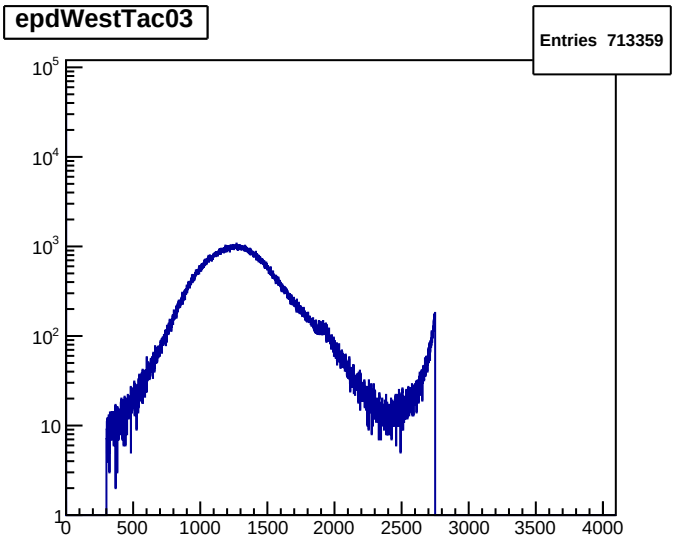
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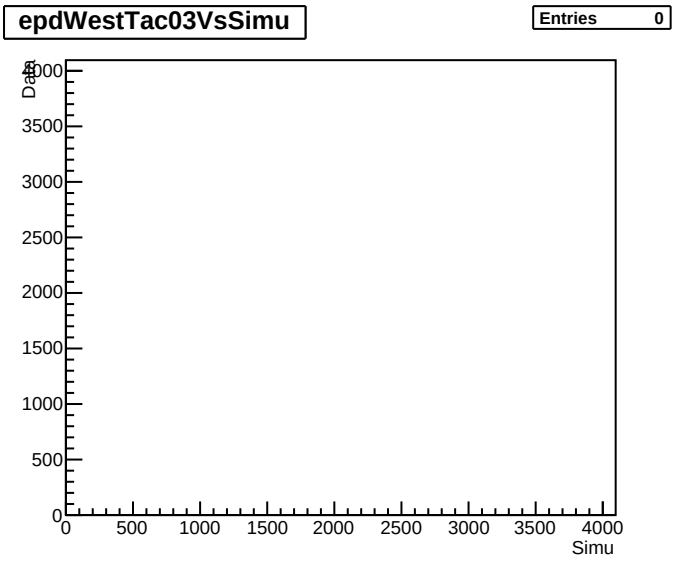
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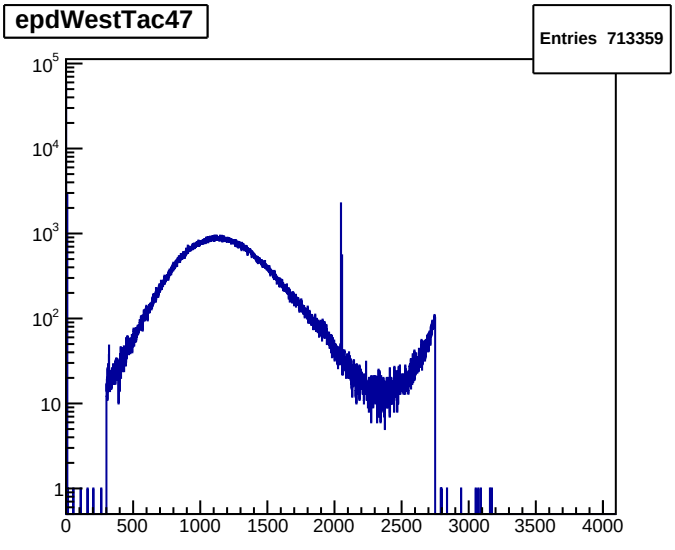
Simu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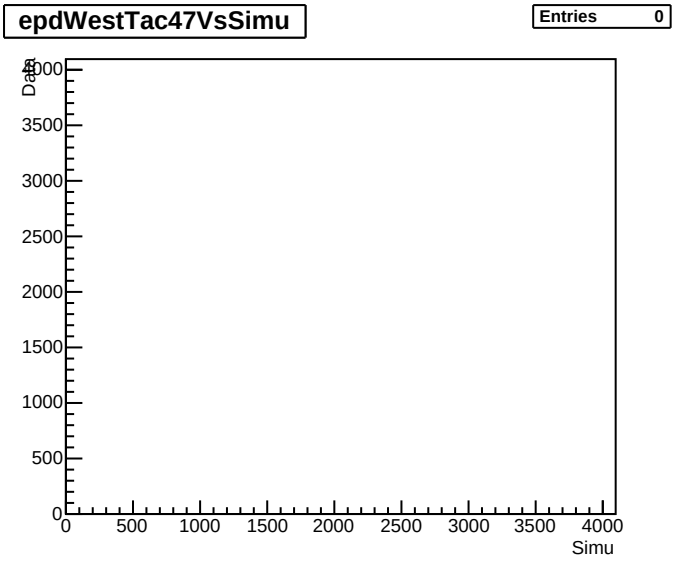
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Data
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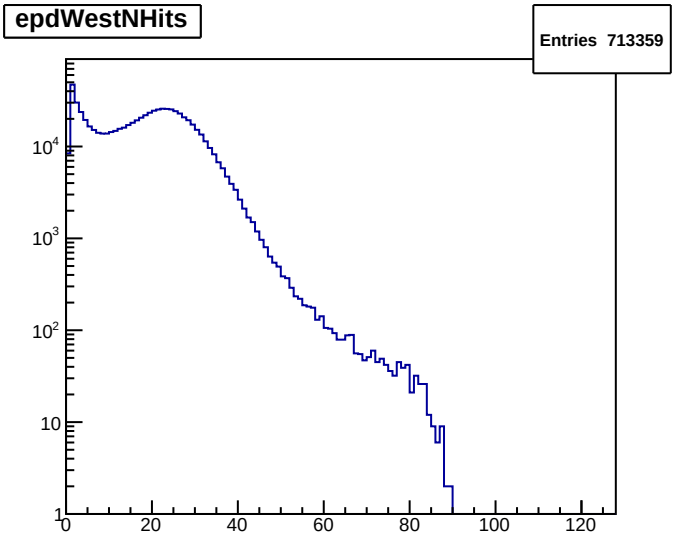
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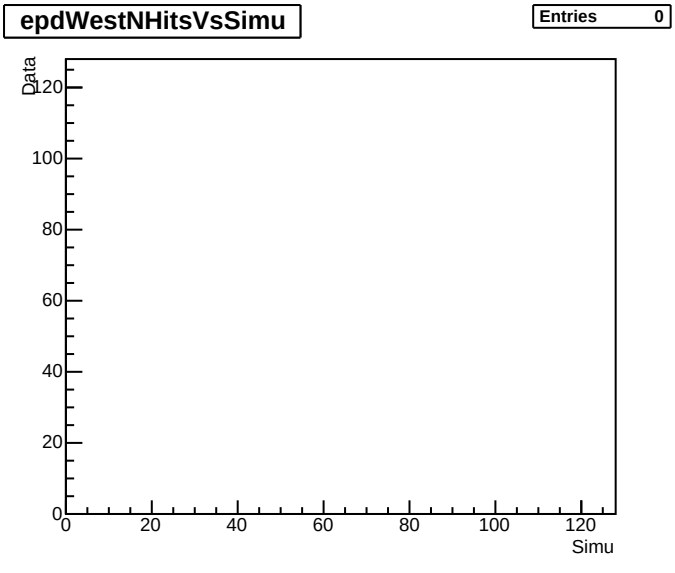
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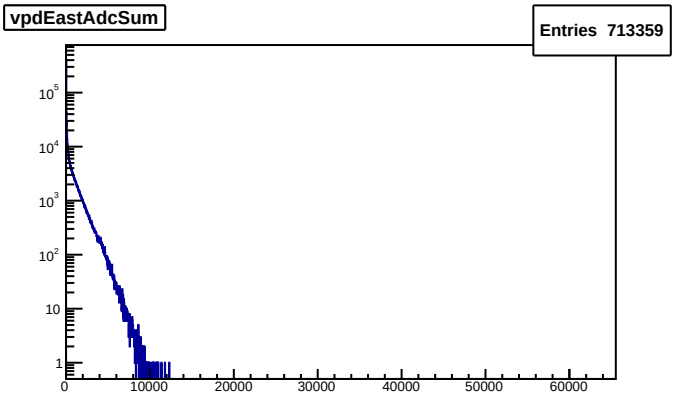
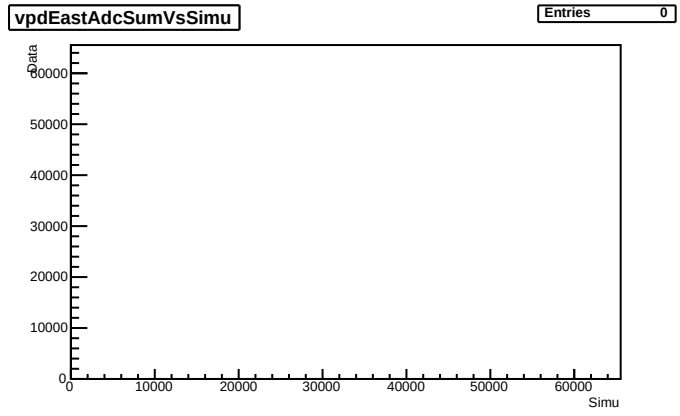
Entries 0
Data
Simu


vpdEastAdcSum
Entries 713359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Data
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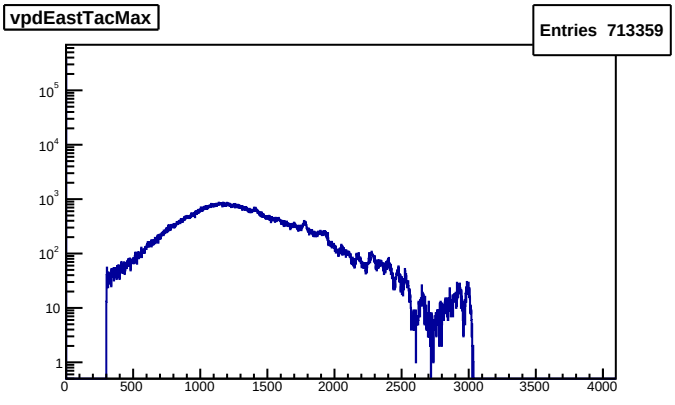
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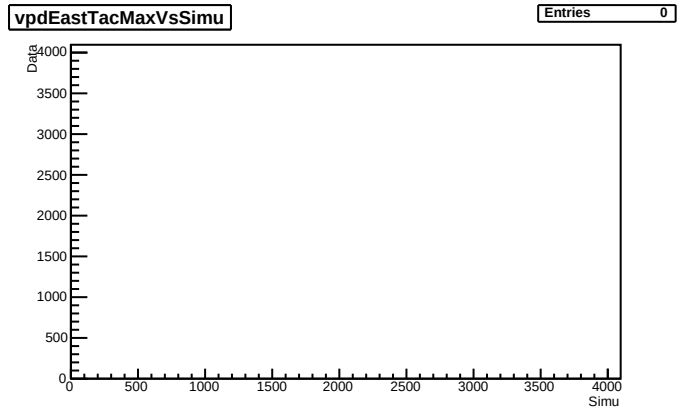
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Entries 0
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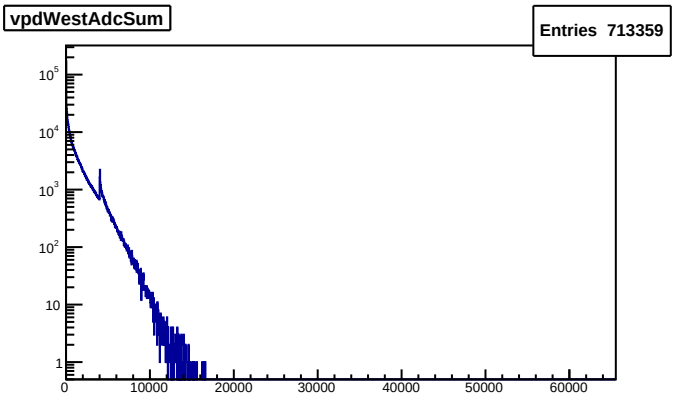
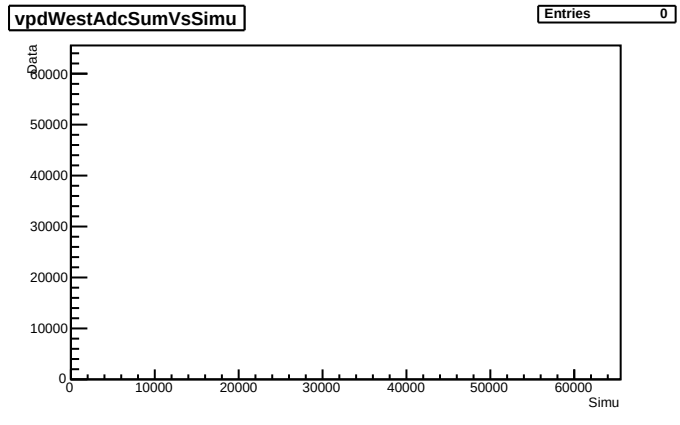

vpdWestAdcSum
Entries 713359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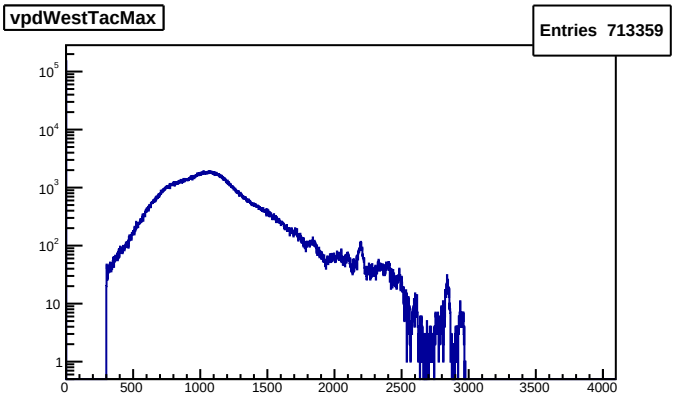
Entries 0
Data
Simu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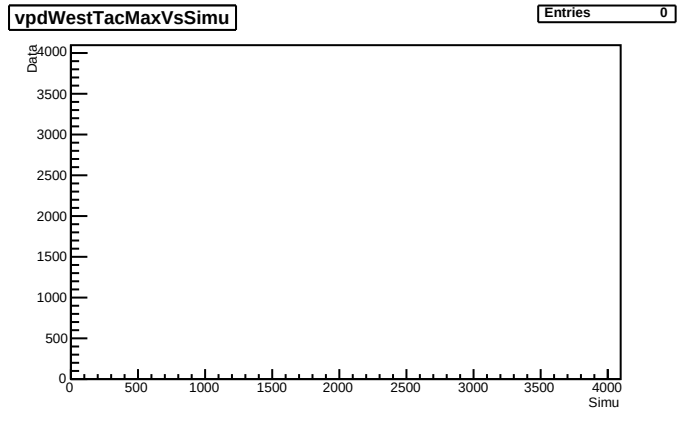
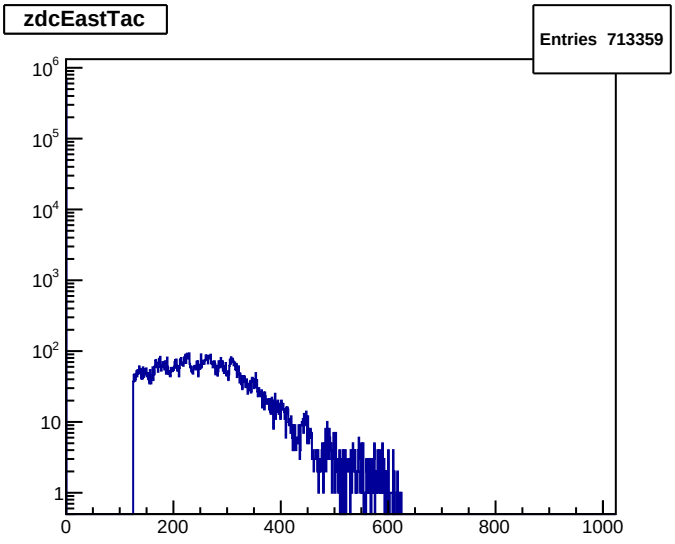
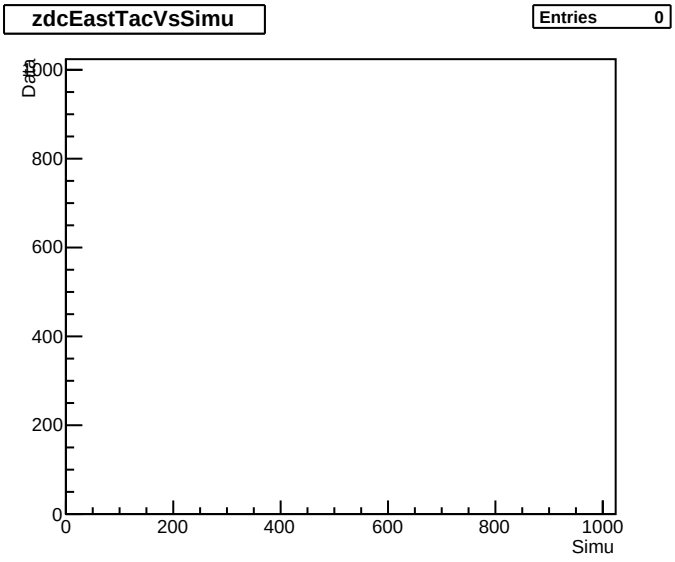
Entries 713359


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 713359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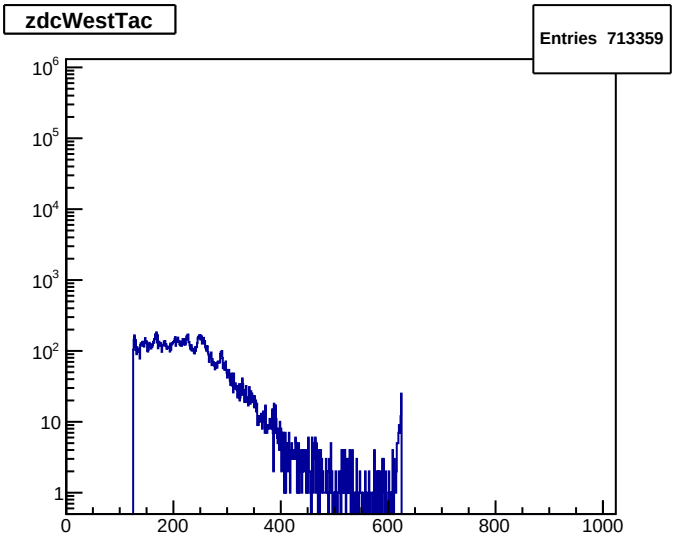
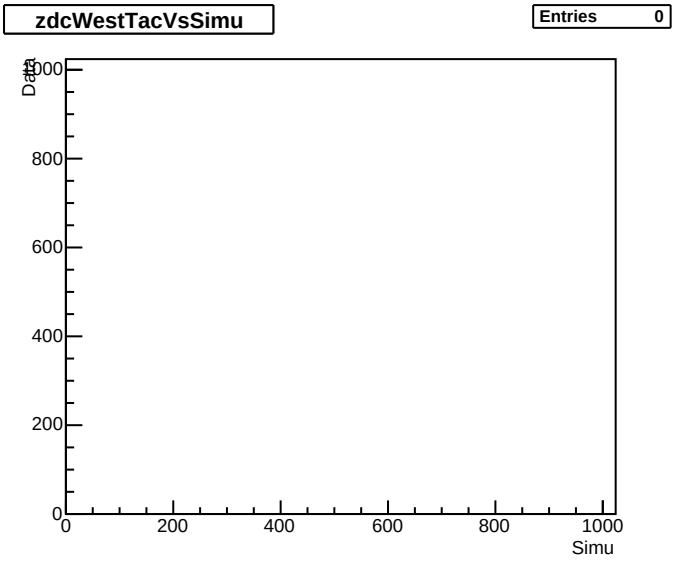
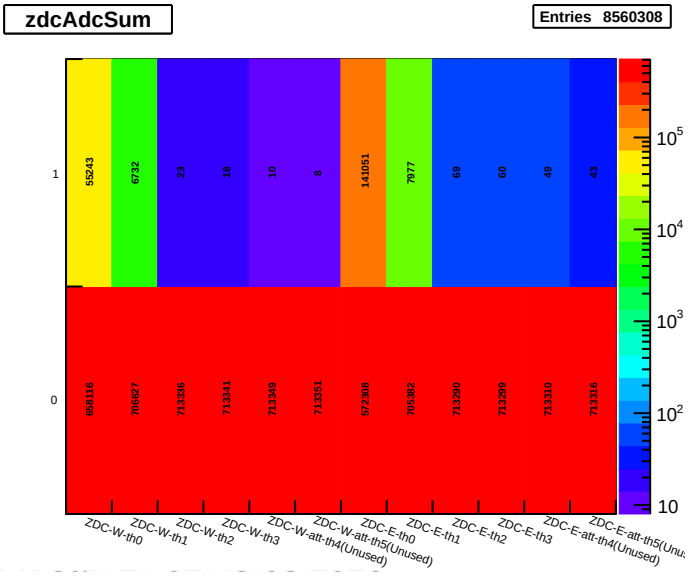
Entries 0
Data
Simu


zdcWestTac
Entries 713359


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 8560308
55243
6732
23
18
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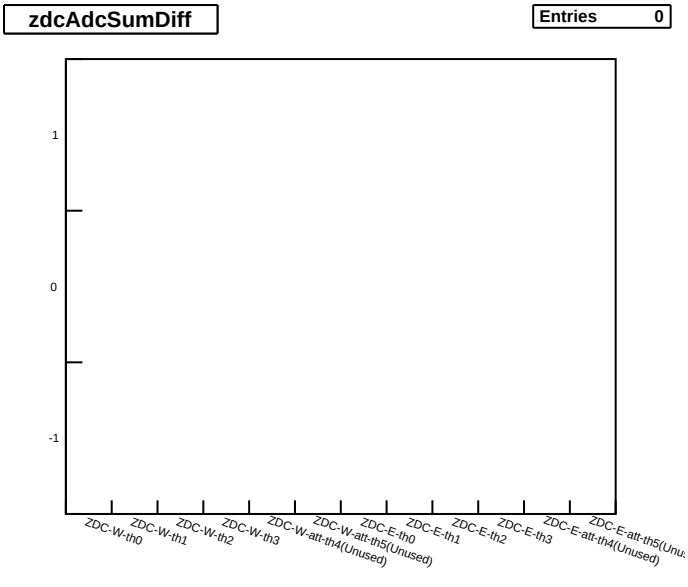
7977
69
60
49
43
658116
706627
713336
713341
713349
713351
572308
705382
713290
713299
713310
713316
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)


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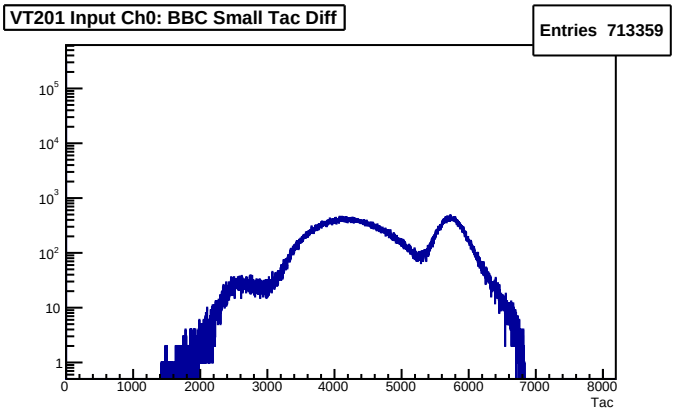
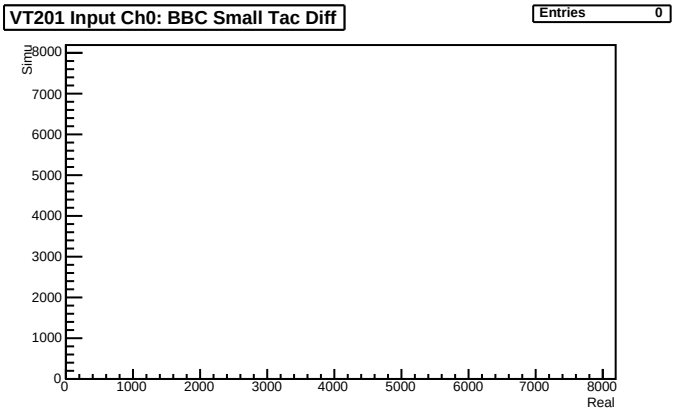
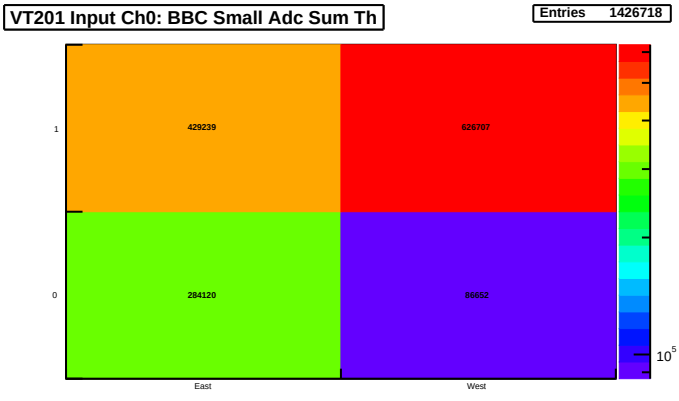
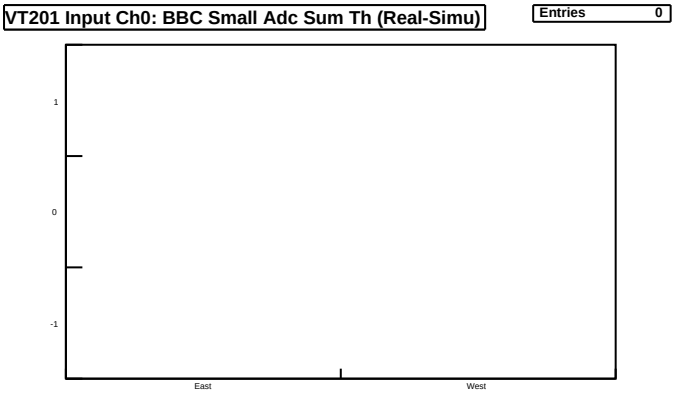
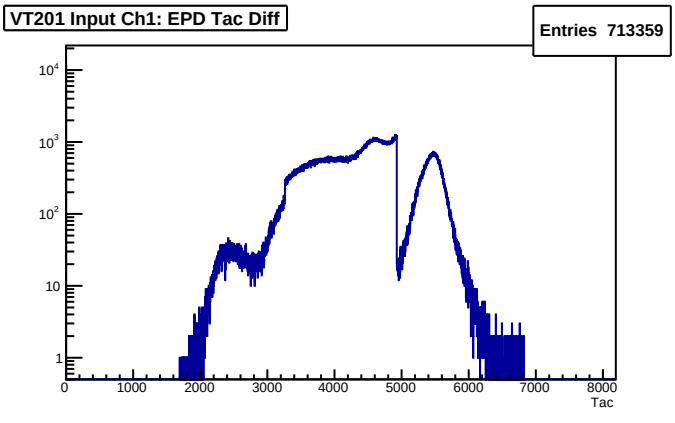
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

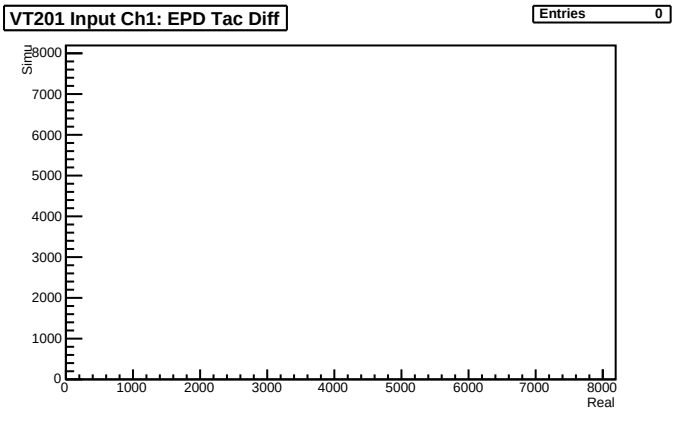

VT201 Input Ch0: BBC Small Tac Diff
Entries 713359
Tac

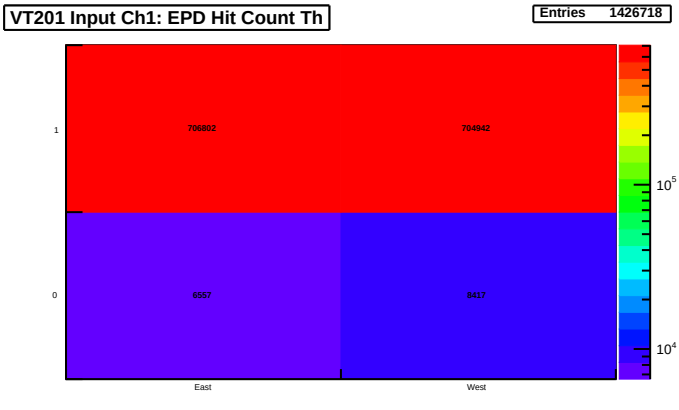

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

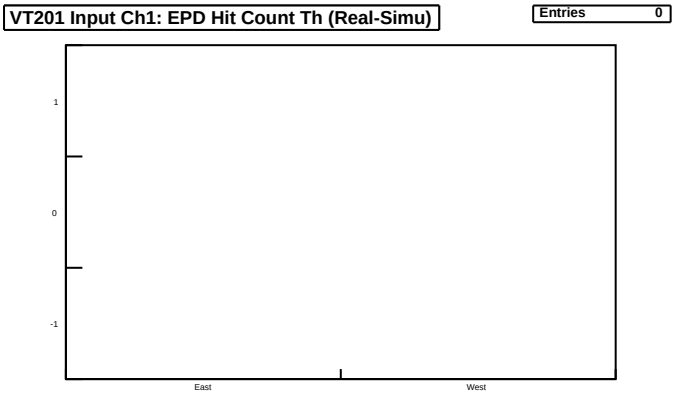

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1426718
429239
626707
284120
86652
East
West

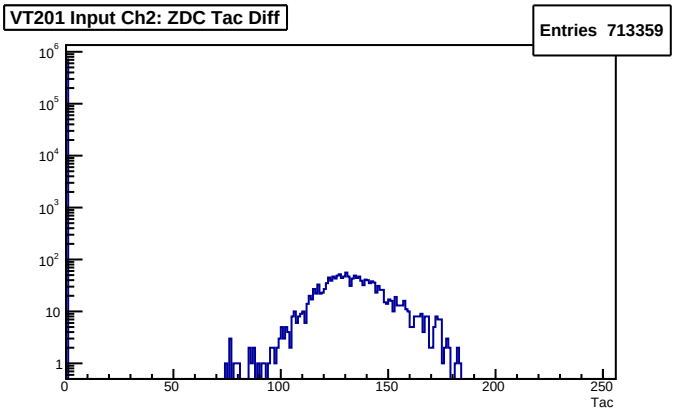

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

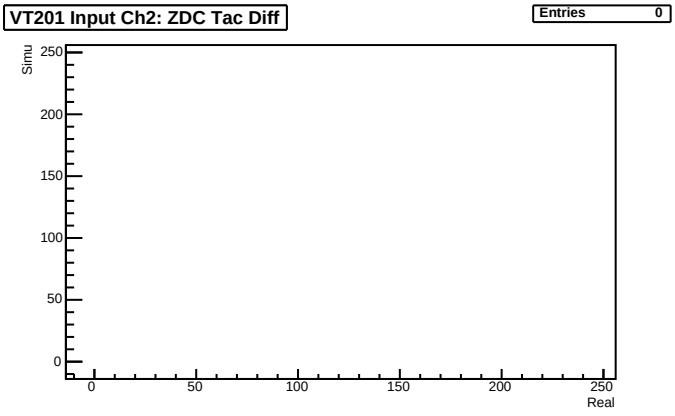

VT201 Input Ch1: EPD Tac Diff
Entries 713359
Tac

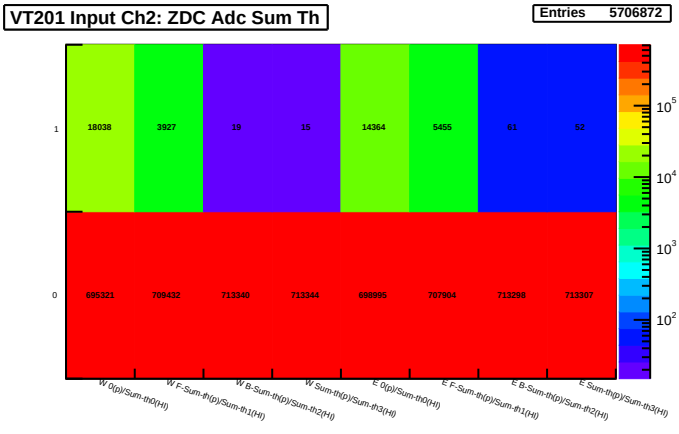

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

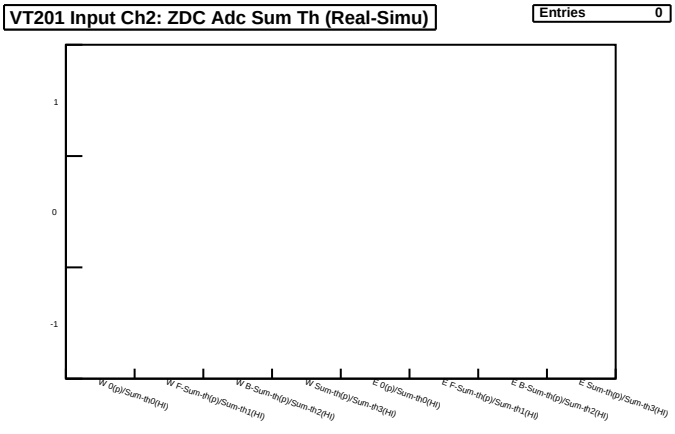

VT201 Input Ch1: EPD Hit Count Th
Entries 1426718
706802
704942
6557
8417
East
West

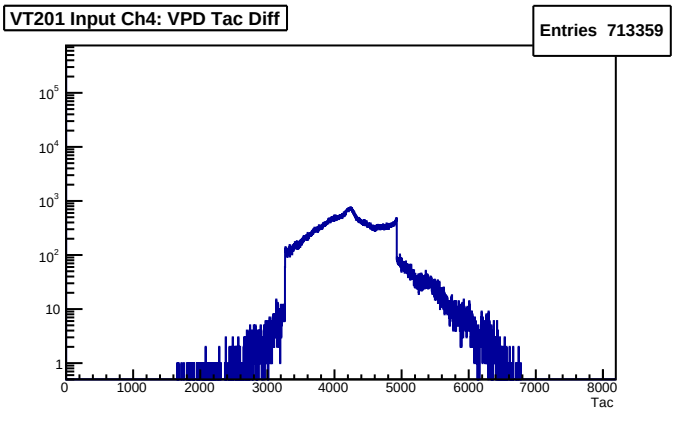

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

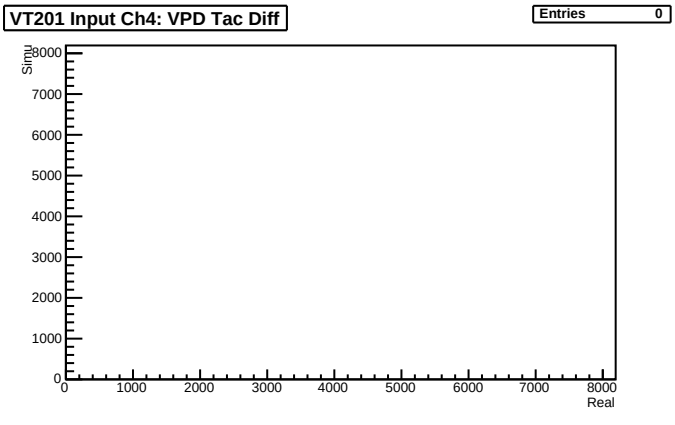

VT201 Input Ch2: ZDC Tac Diff
Entries 713359
Tac

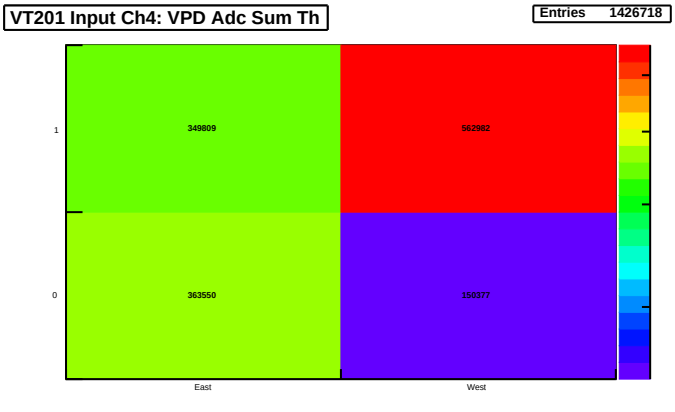

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

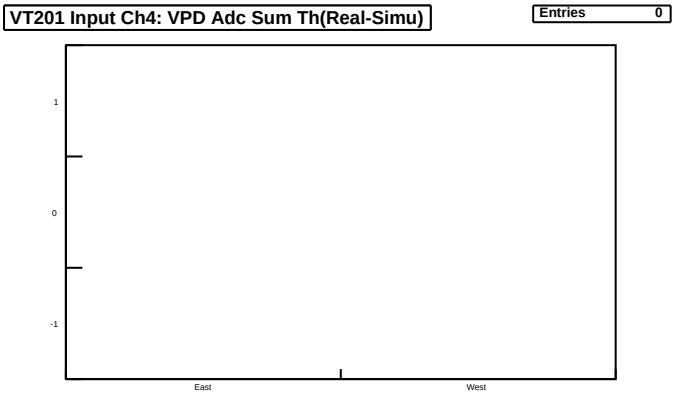

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5706872
18038
3927
19
15
14364
5455
61
52
695321
709432
713340
713344
698995
707904
713298
713307
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

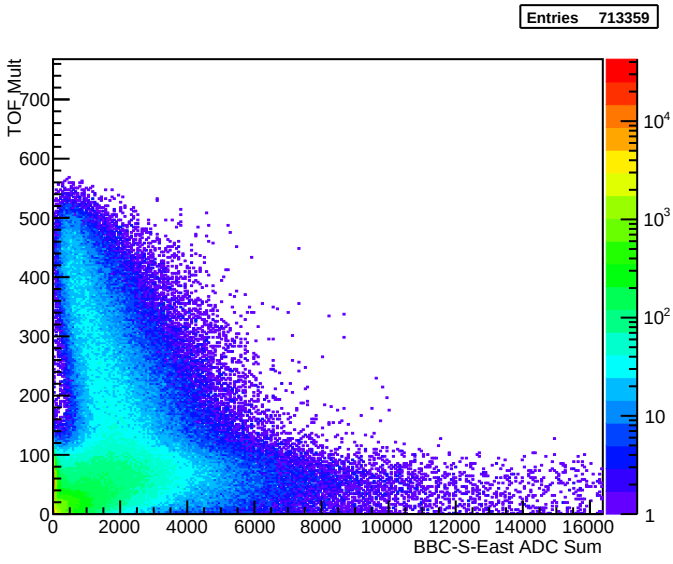

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

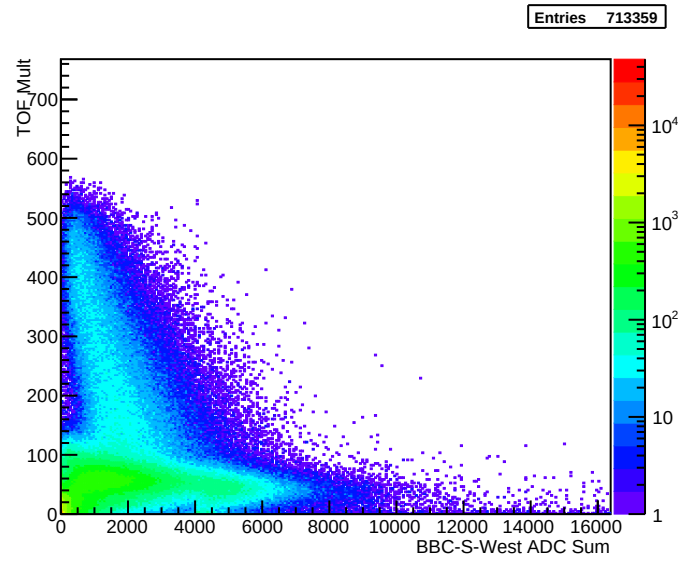

VT201 Input Ch4: VPD Tac Diff
Entries 713359
Tac

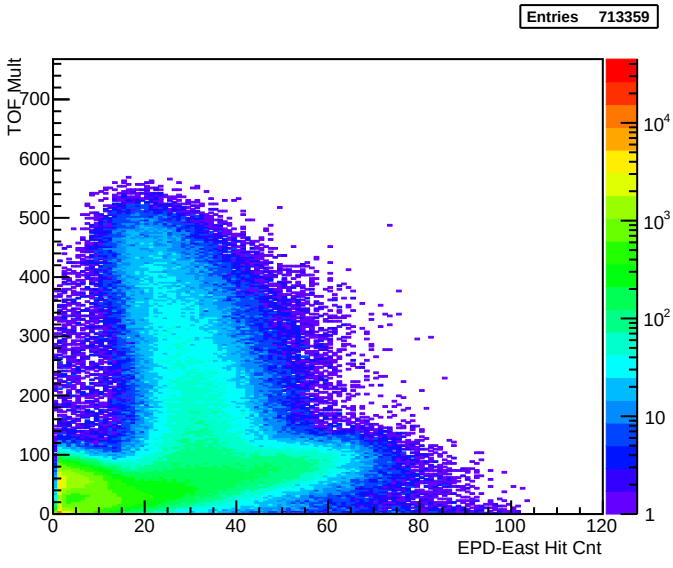

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

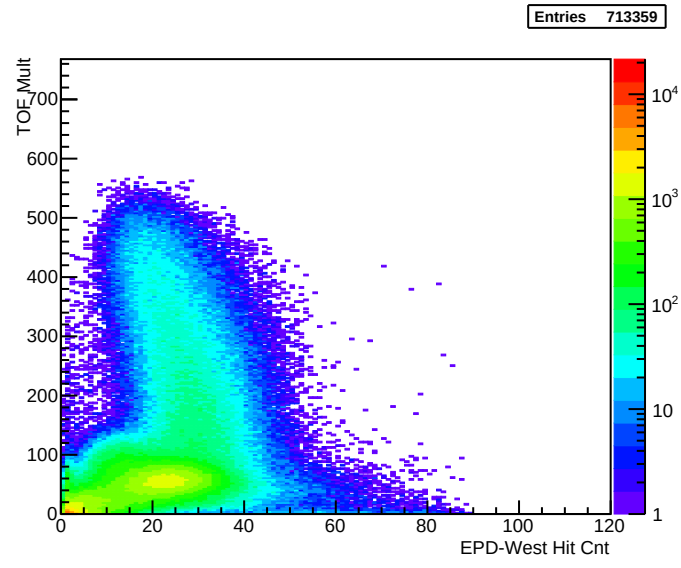

VT201 Input Ch4: VPD Adc Sum Th
Entries 1426718
349809
562982
363550
150377
East
West

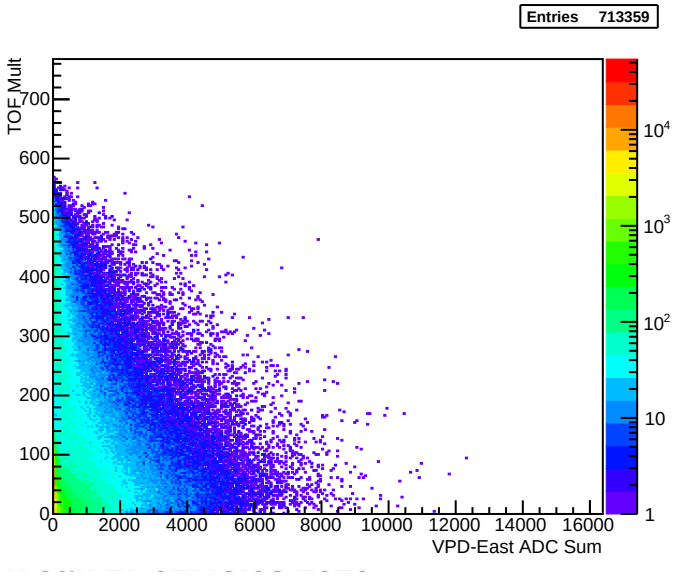

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

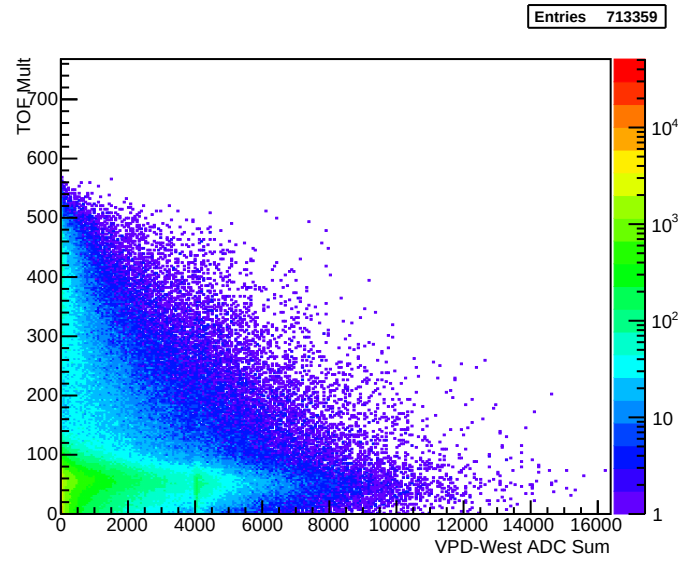

Entries 713359
TOF_Mult
BBC-S-East ADC Sum

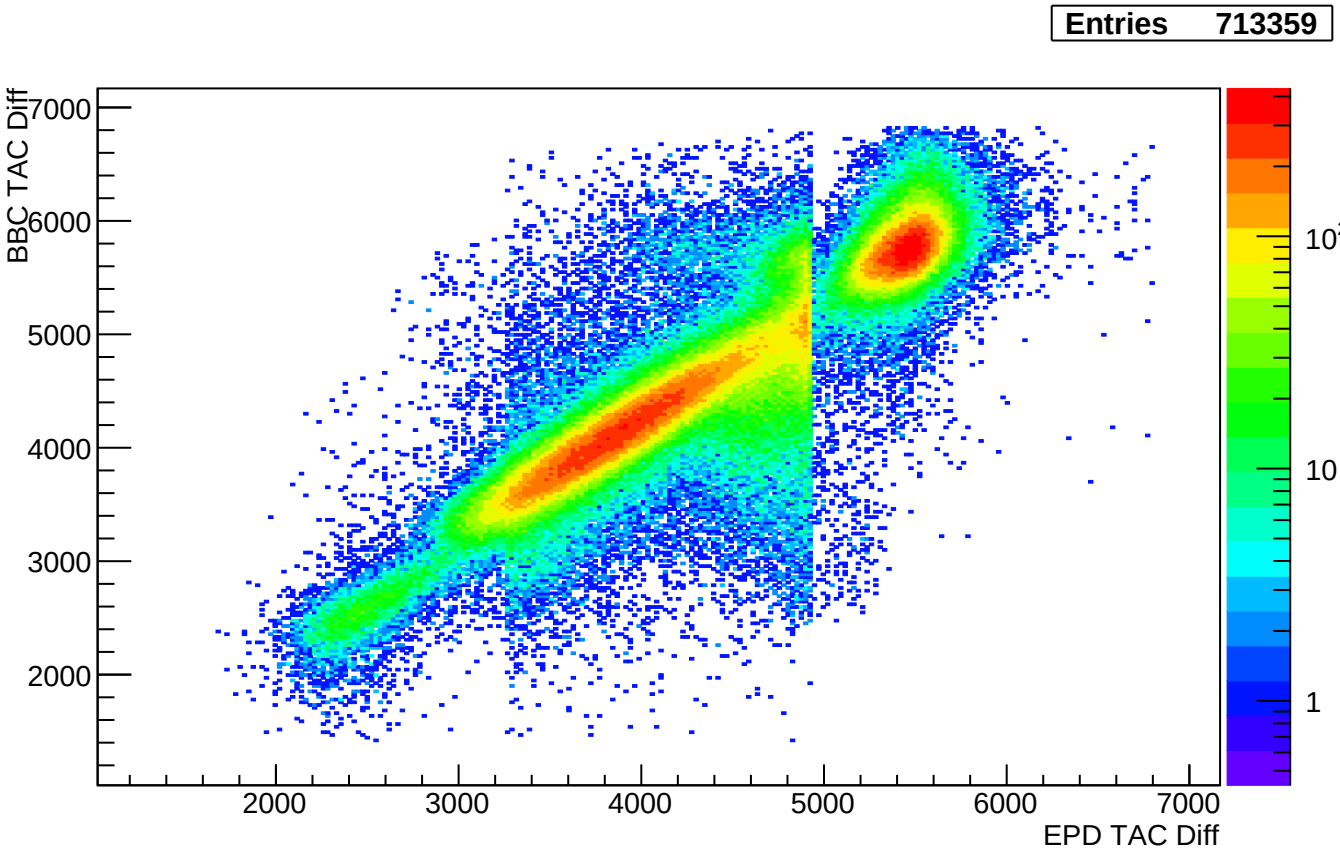

Entries 713359
TOF_Mult
BBC-S-West ADC Sum

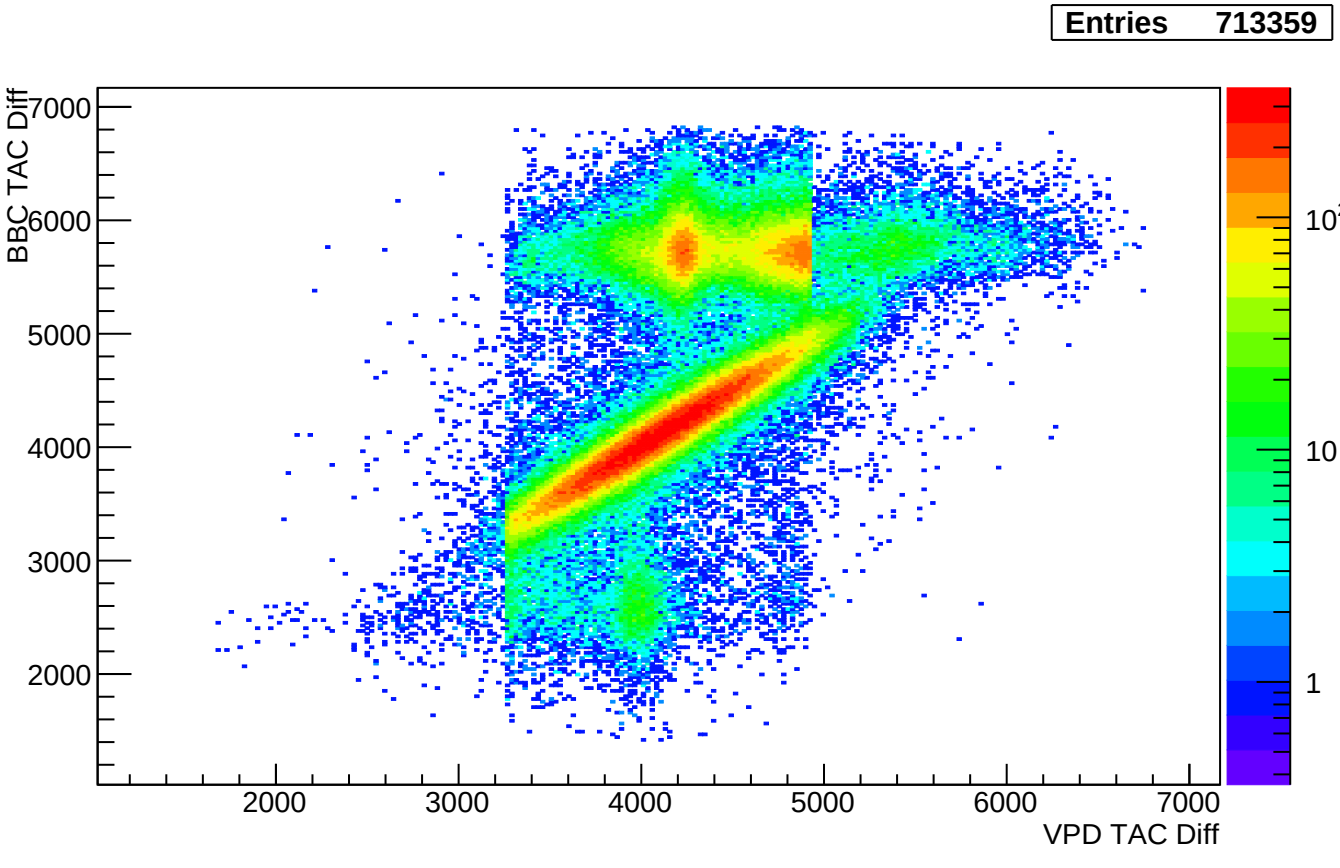

Entries 713359
TOF_Mult
EPD-East Hit Cnt

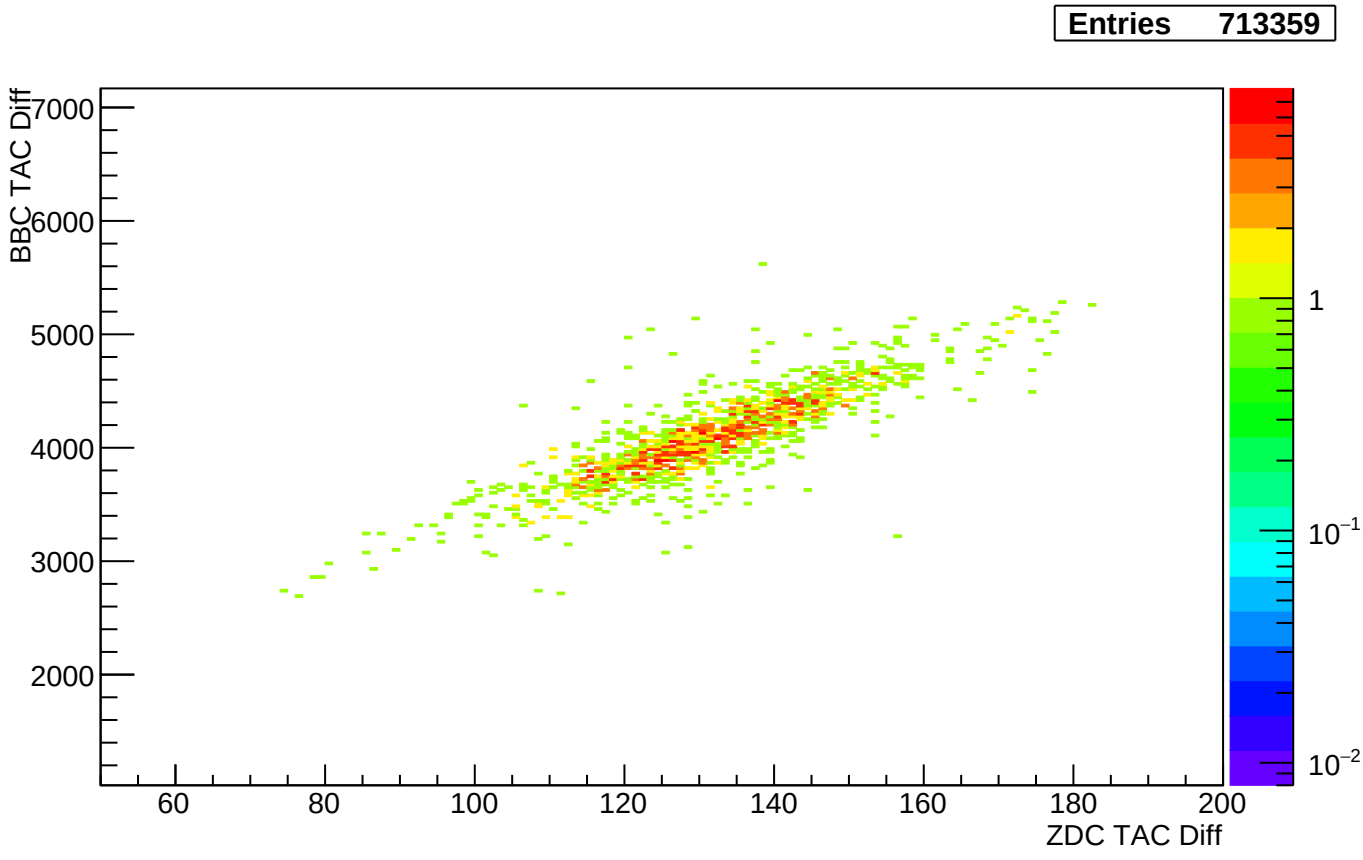

Entries 713359
TOF_Mult
EPD-West Hit Cnt

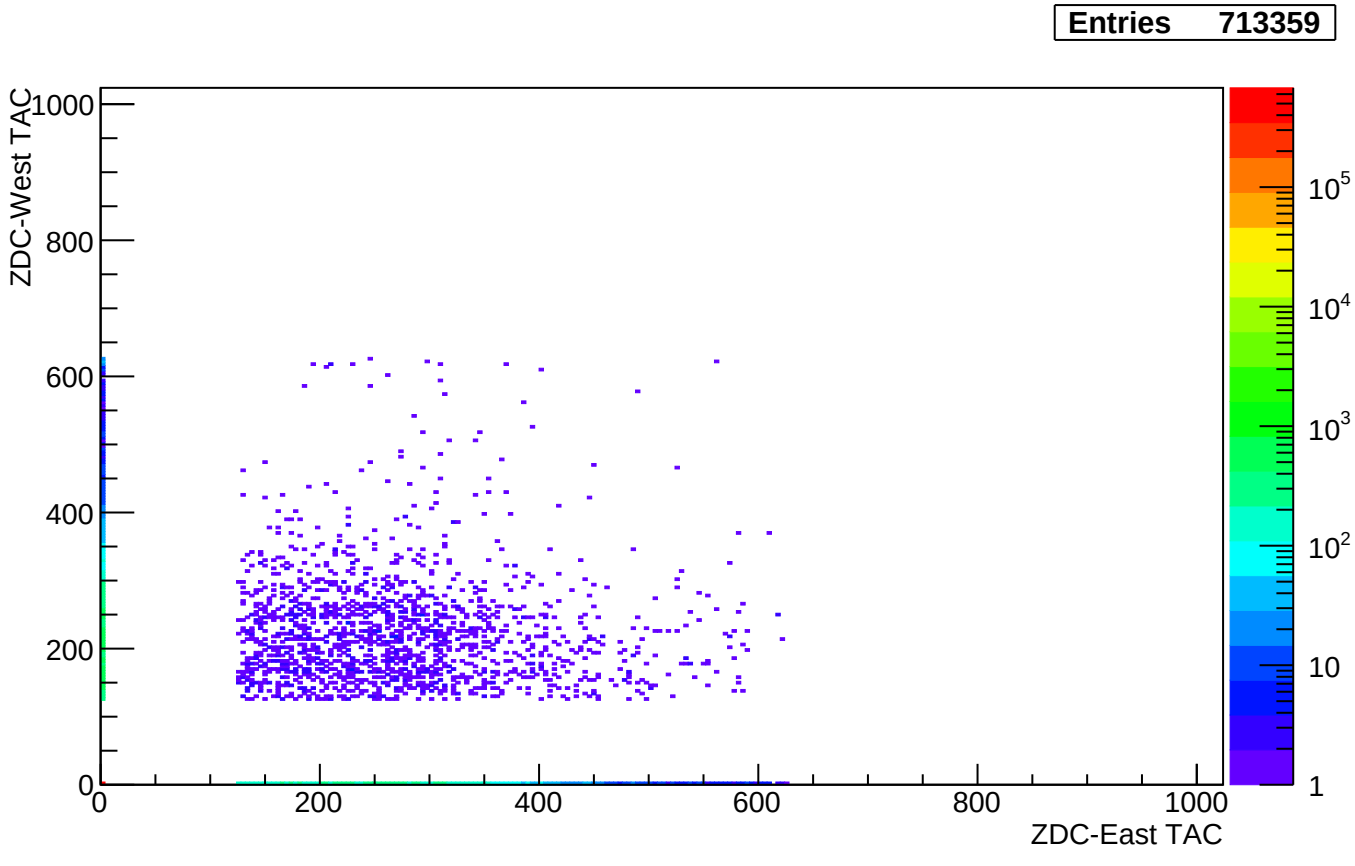

Entries 713359
TOF_Mult
VPD-East ADC Sum

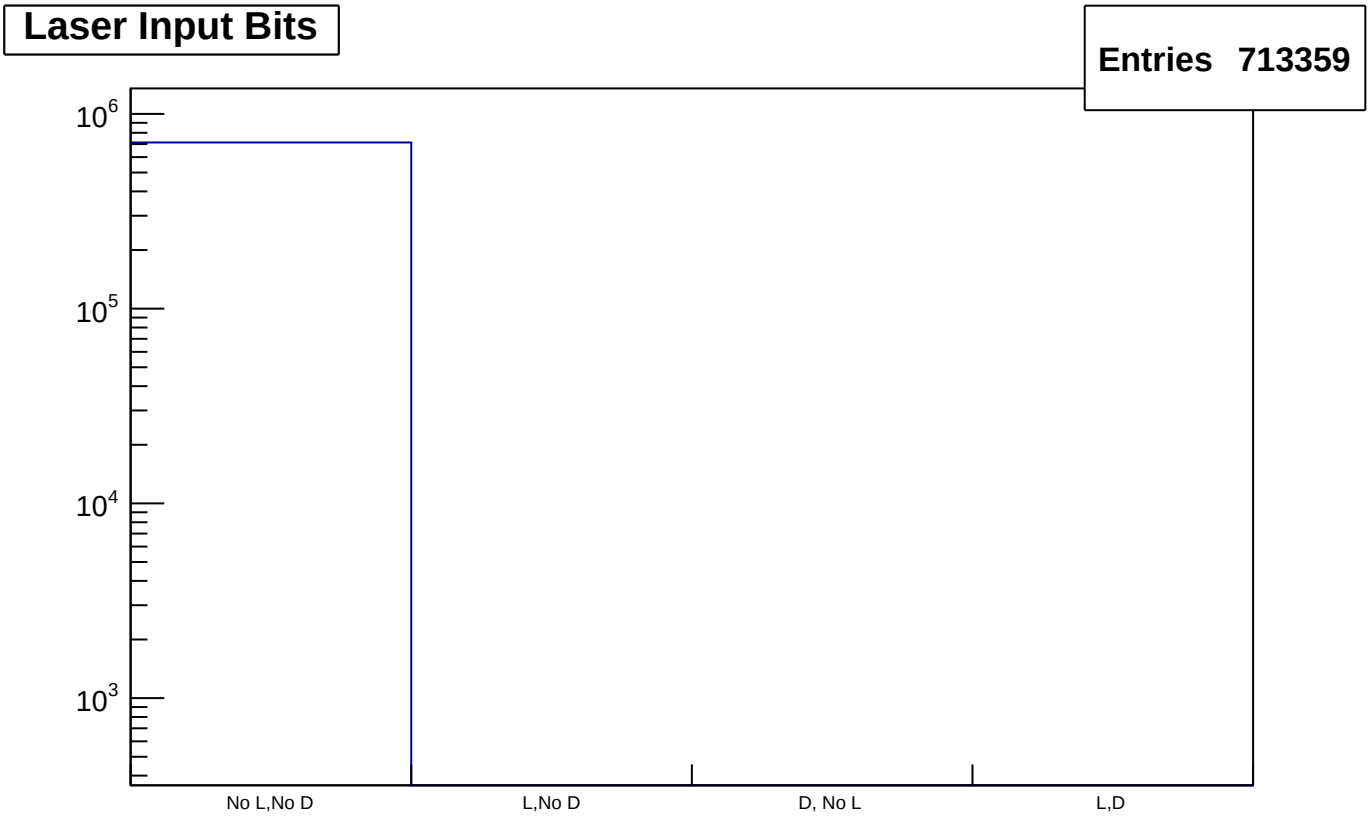

Entries 713359
TOF_Mult
VPD-West ADC Sum

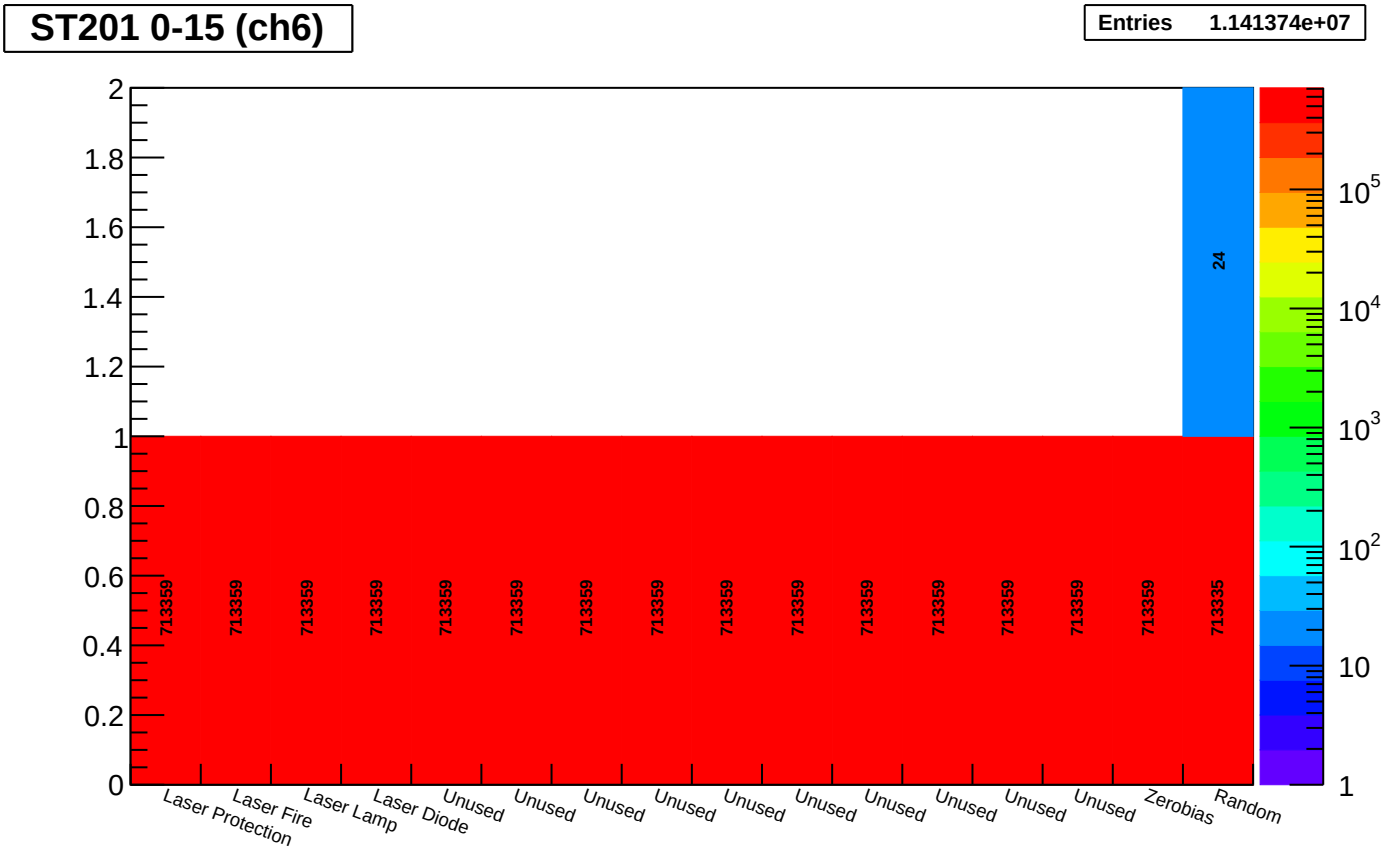

Entries 713359
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

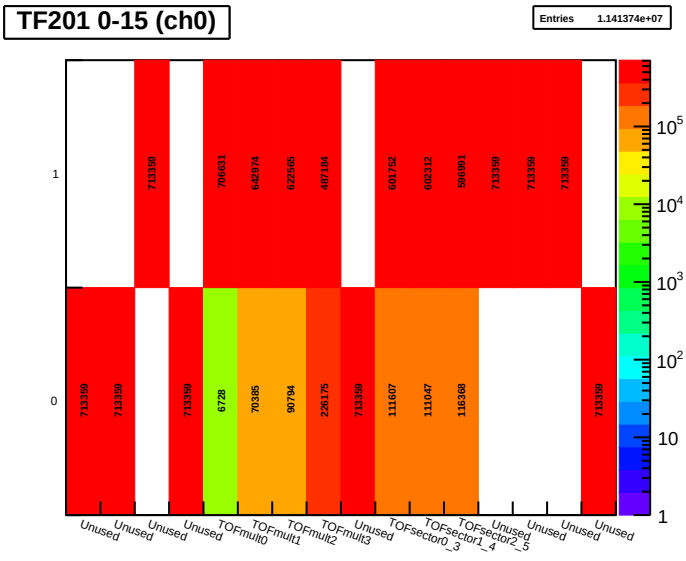

Entries 713359
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

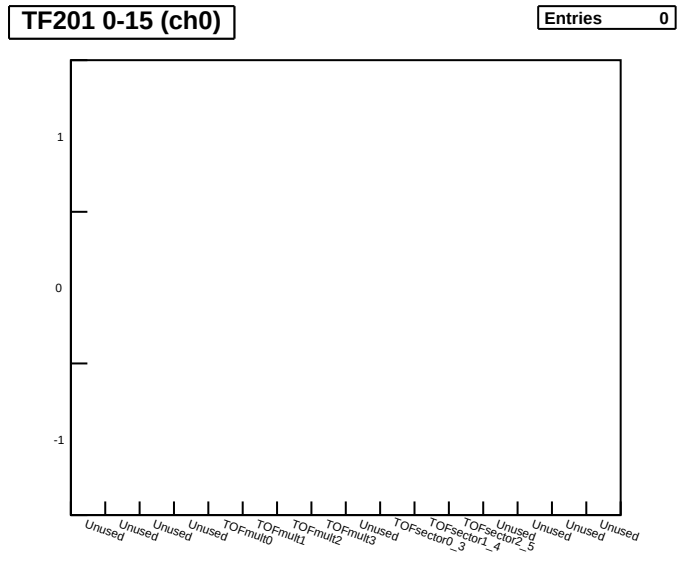

Entries 713359
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

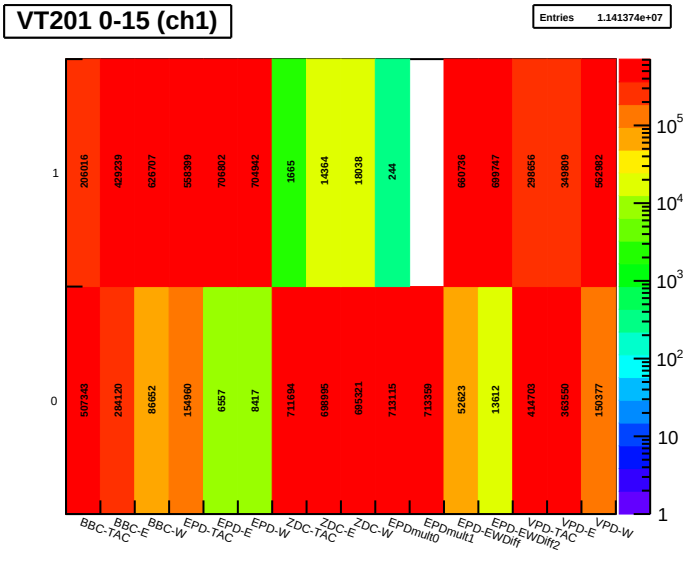

Entries 713359
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

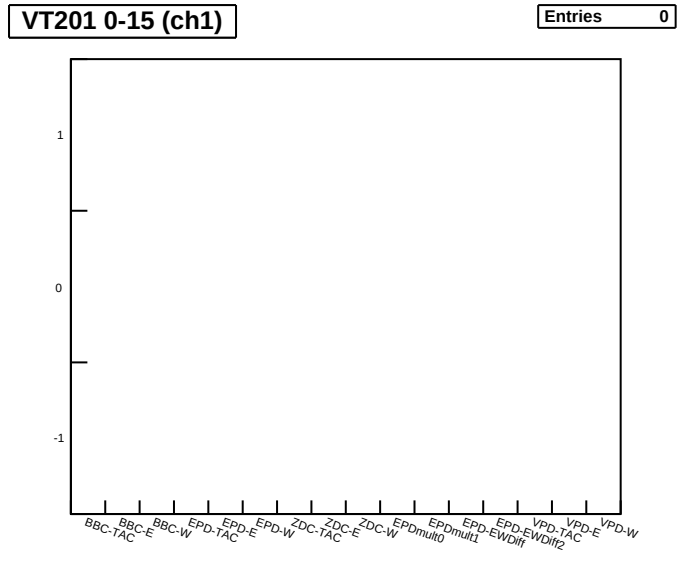

Laser Input Bits
Entries 713359
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

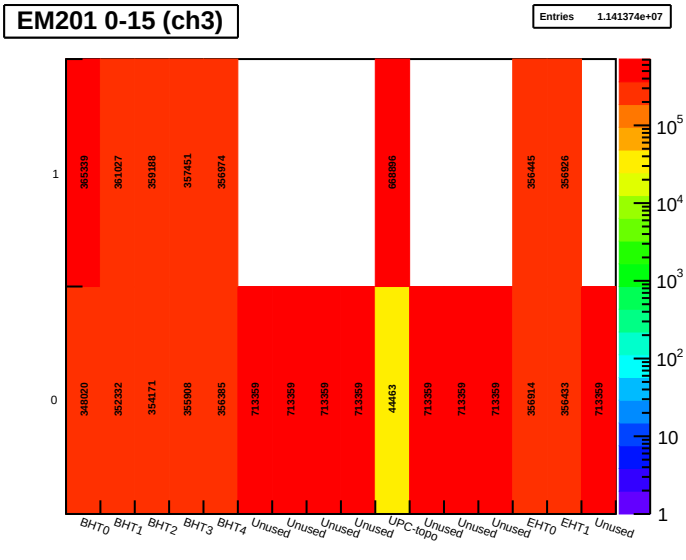

ST201 0-15 (ch6)
Entries 1.141374e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
24
713359
713335
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

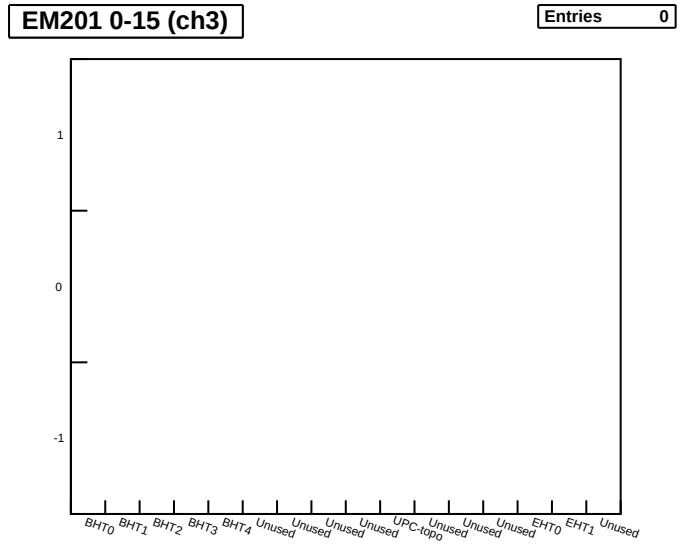

TF201 0-15 (ch0)
Entries 1.141374e+07
1
0
713359 706631 642974 622565 497184 601752 602312 596991 713359 713359 713359
713359 713359 713359 6728 70385 90794 226175 713359 111607 111047 116368 713359
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 1.141374e+07
1
0
206016 429239 626707 558399 706802 704942 1665 14364 18038 244 660756 699747 298656 349809 562982
507343 284120 86652 154960 6557 8417 711694 698995 695321 713115 713359 52623 13612 414703 363550 150377
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 1.141374e+07
1
0
365339 361027 359188 357451 356974 668986 356445 356926
348020 352332 354171 355908 356385 713359 713359 713359 713359 44463 713359 713359 713359 356914 356433 713359
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