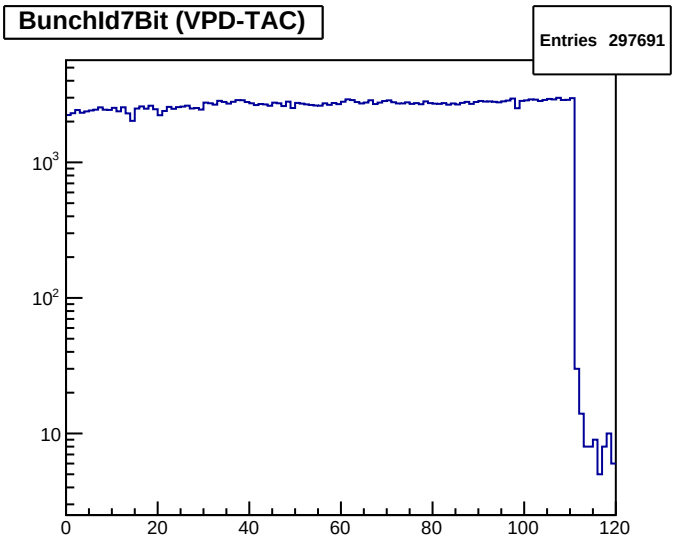
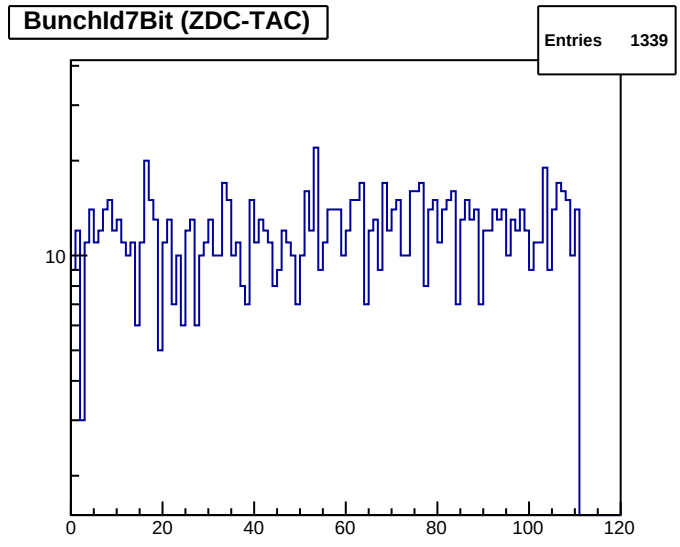
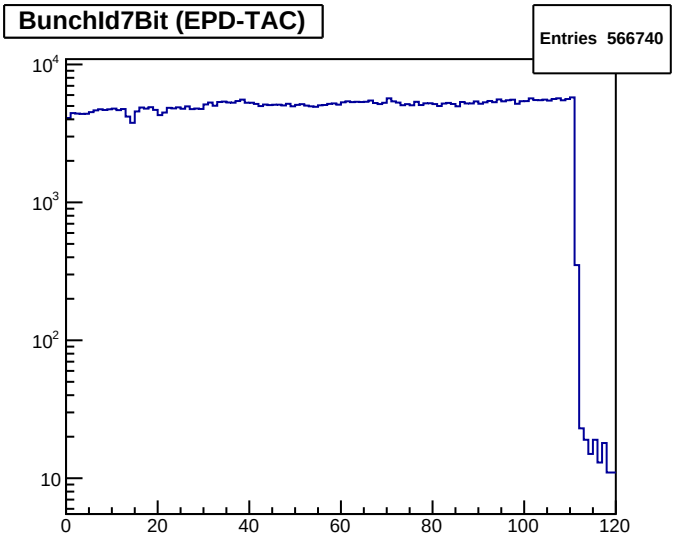
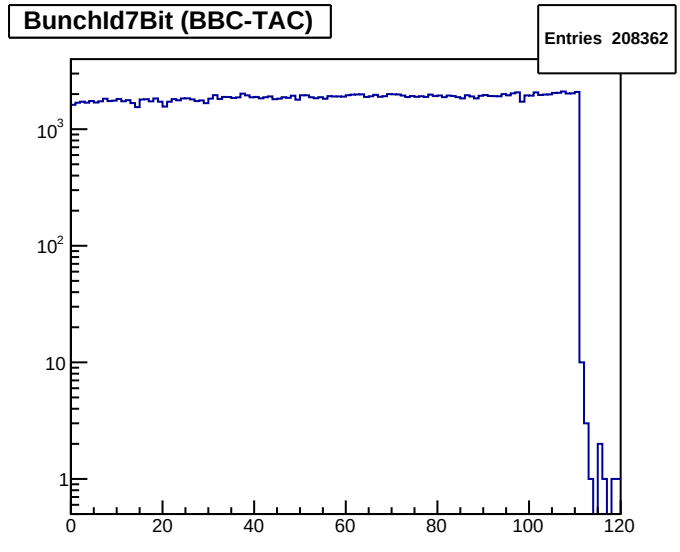
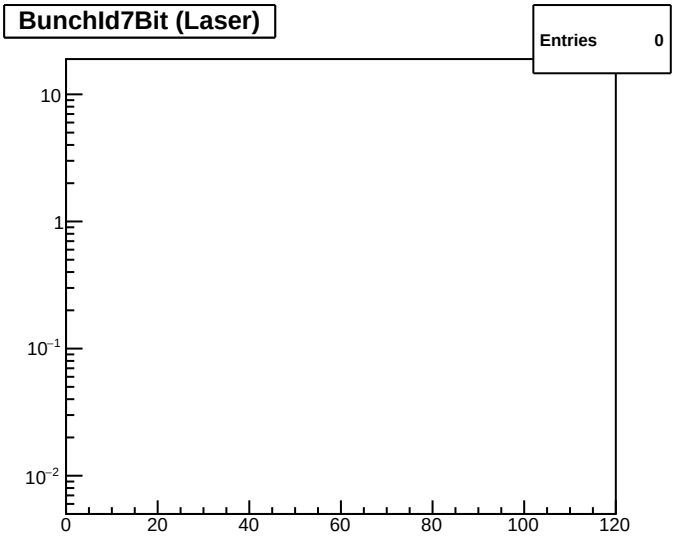
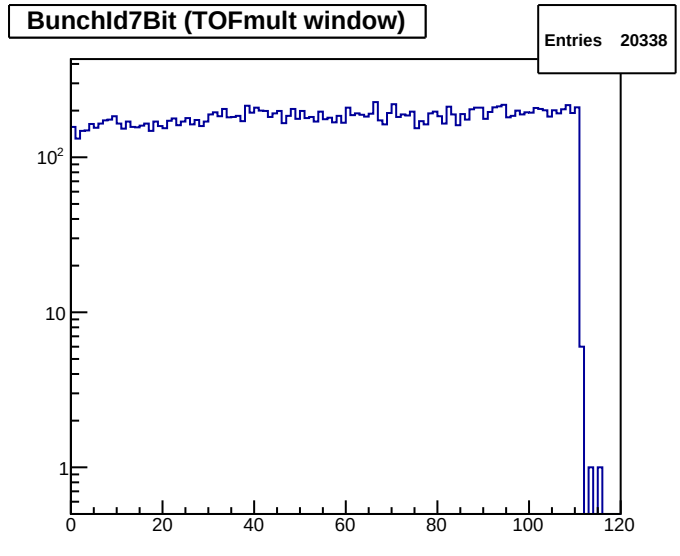

BunchId7Bit (VPD-TAC)
Entries 297691

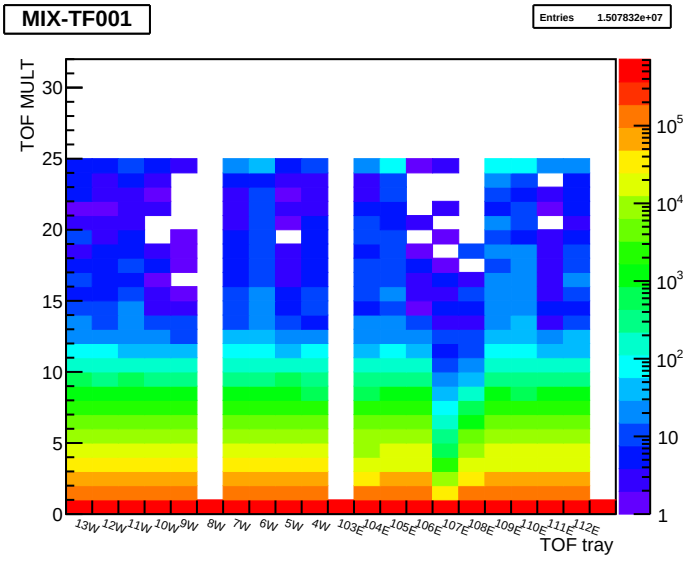

BunchId7Bit (ZDC-TAC)
Entries 1339

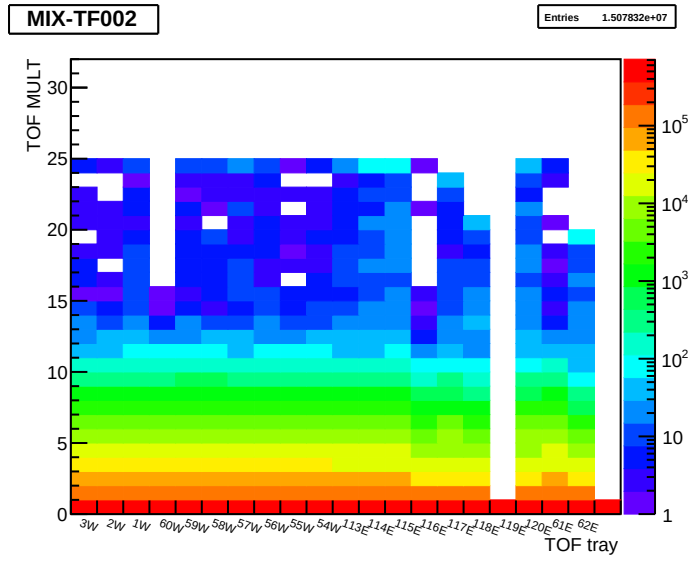

BunchId7Bit (EPD-TAC)
Entries 566740

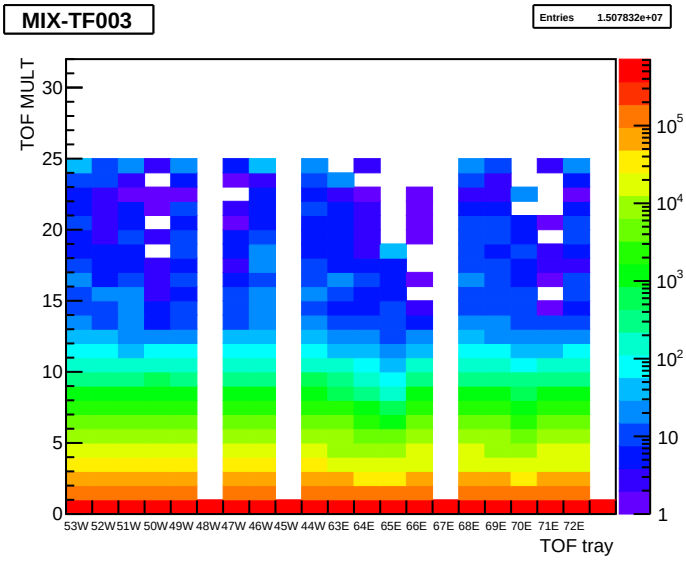

BunchId7Bit (BBC-TAC)
Entries 208362

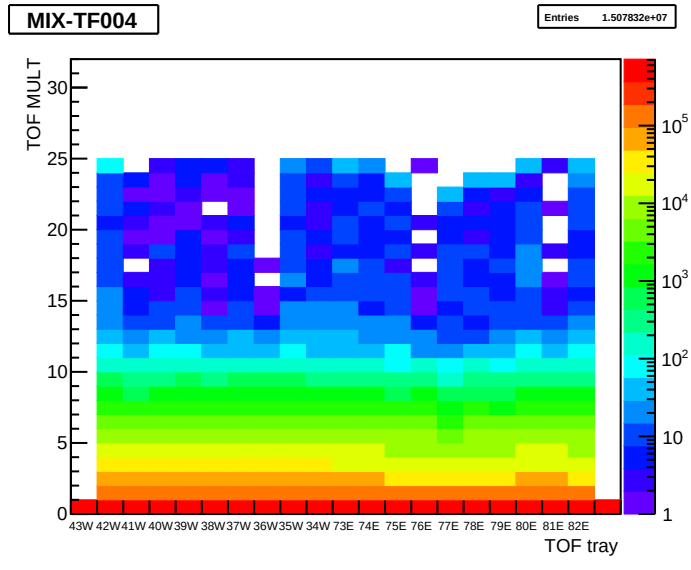

BunchId7Bit (Laser)
Entries 0

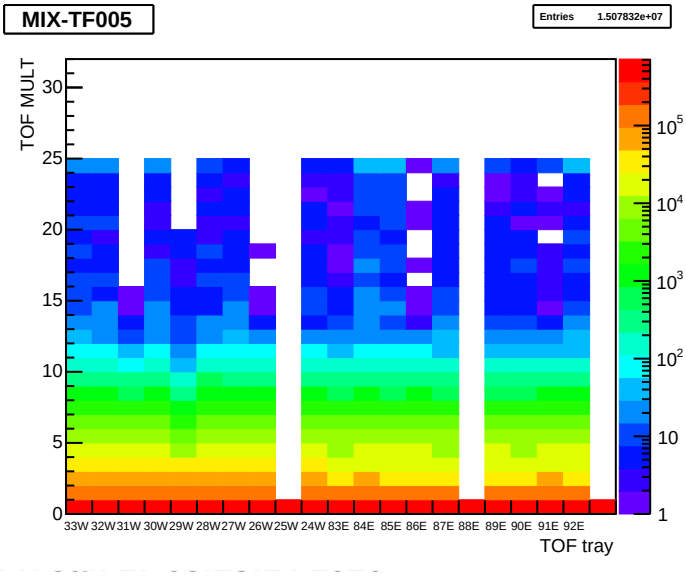

BunchId7Bit (TOFmult window)
Entries 20338

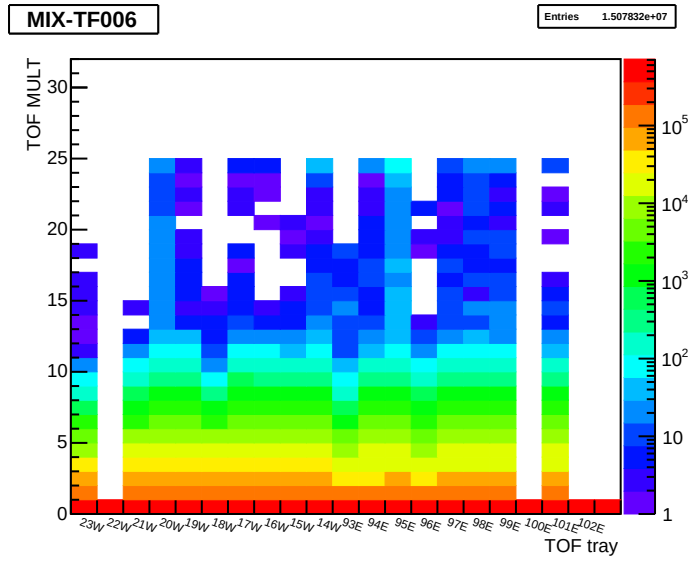

MIX-TF001
Entries 1.507832e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

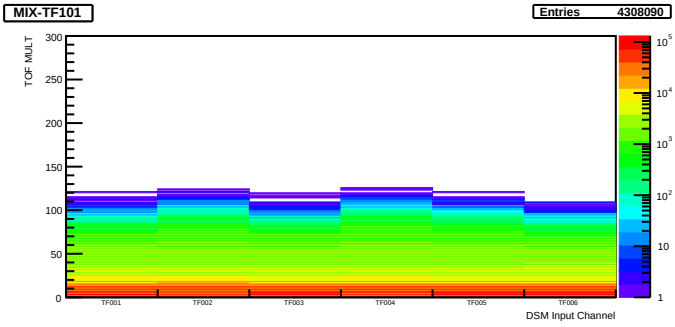

MIX-TF002
Entries 1.507832e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

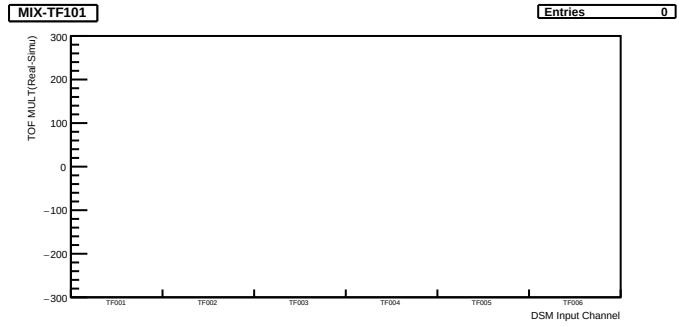

MIX-TF003
Entries 1.507832e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

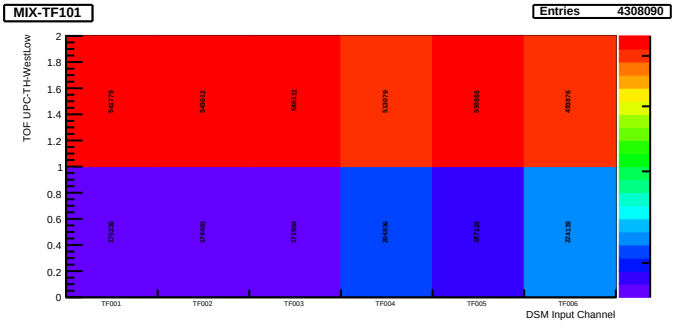

MIX-TF004
Entries 1.507832e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

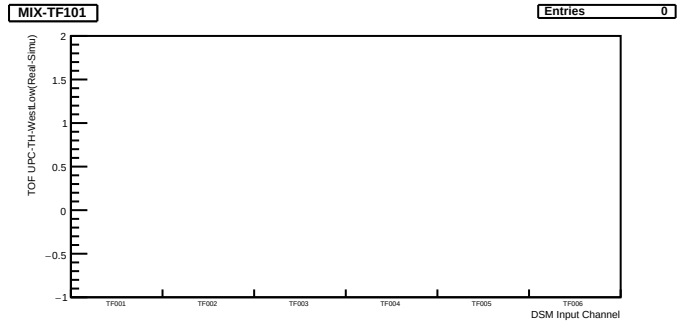

MIX-TF005
Entries 1.507832e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

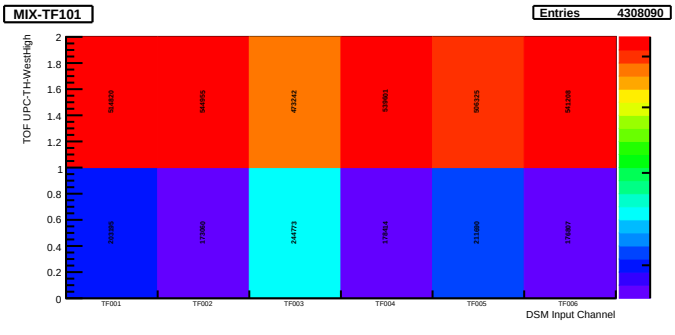

MIX-TF006
Entries 1.507832e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

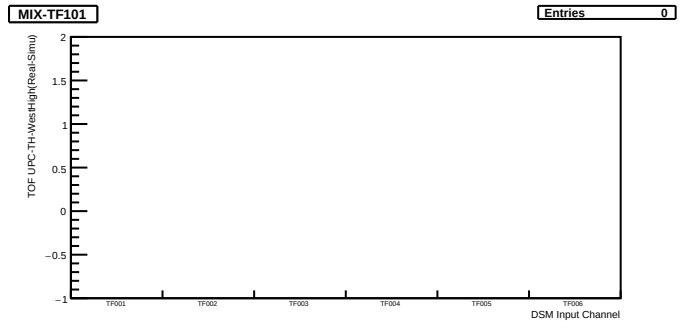

MIX-TF101
Entries 4308090
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

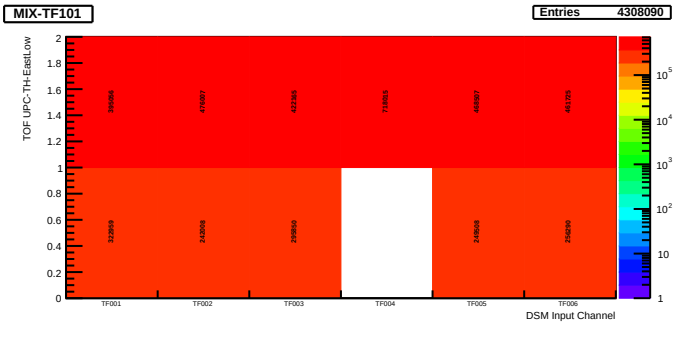

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

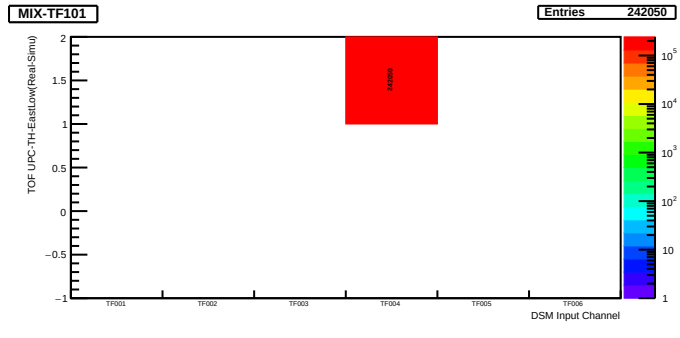

MIX-TF101
Entries 4308090
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

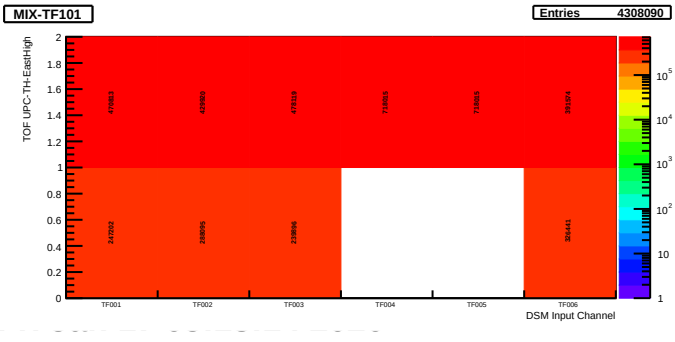

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

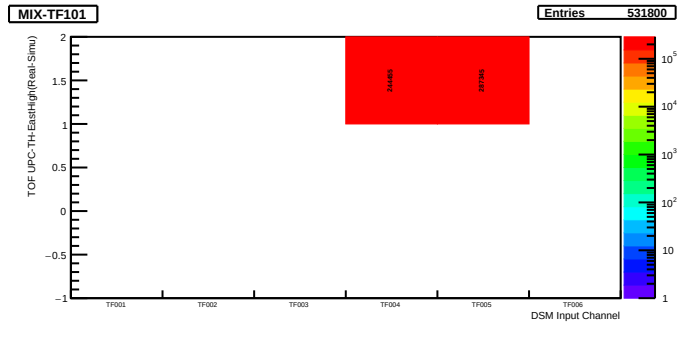

MIX-TF101
Entries 4308090
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

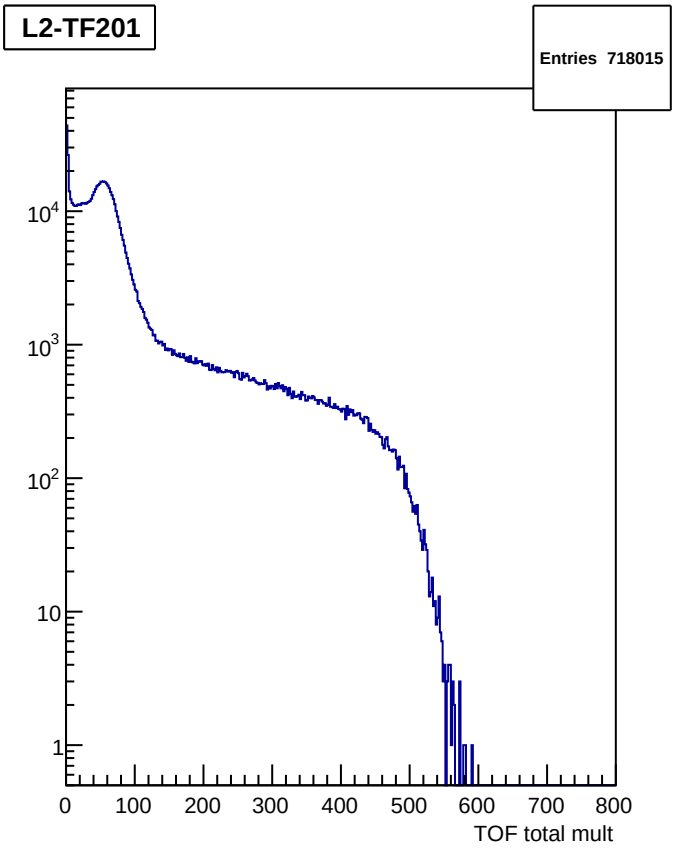

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

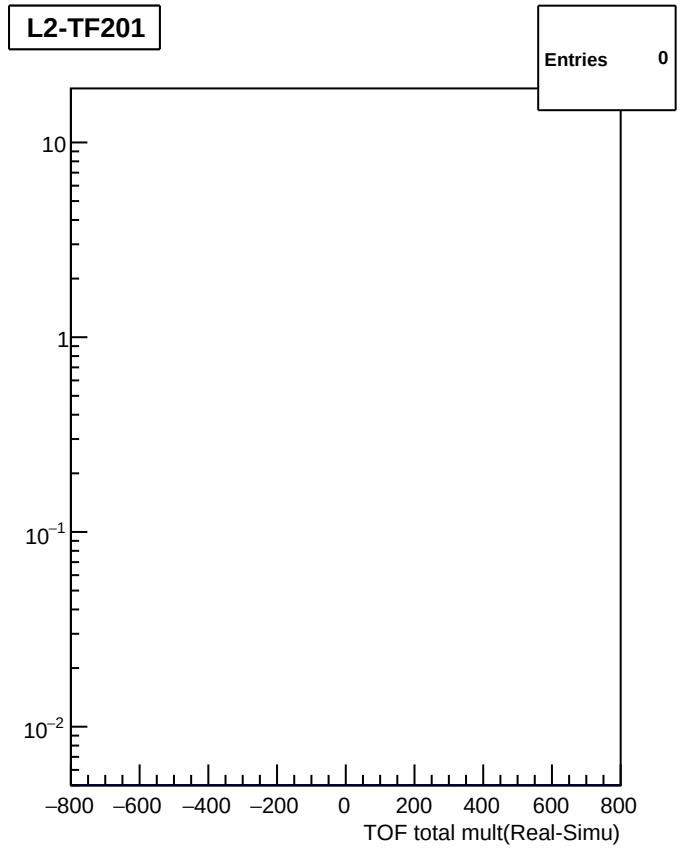

MIX-TF101
Entries 4308090
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

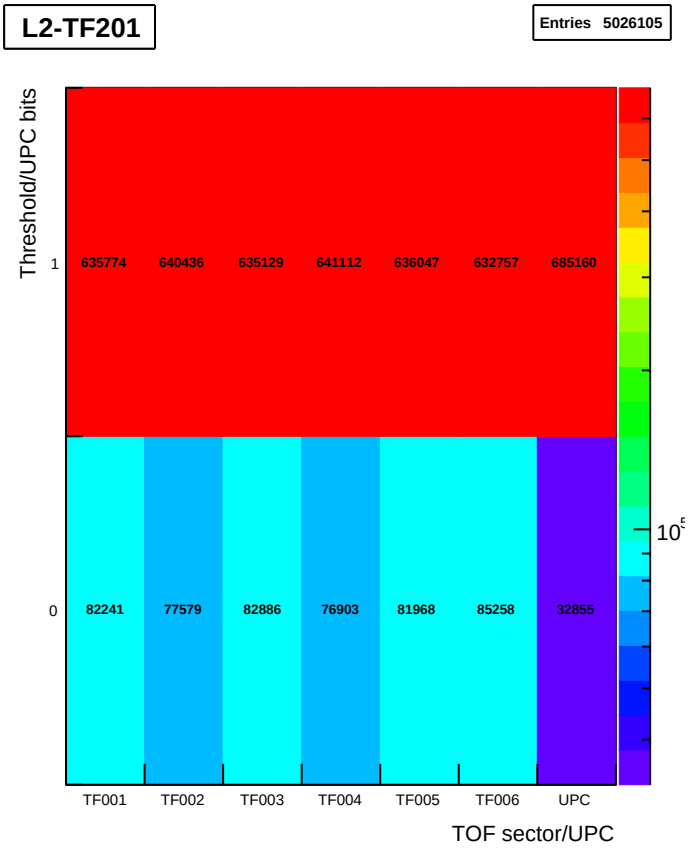

MIX-TF101
Entries 242050
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

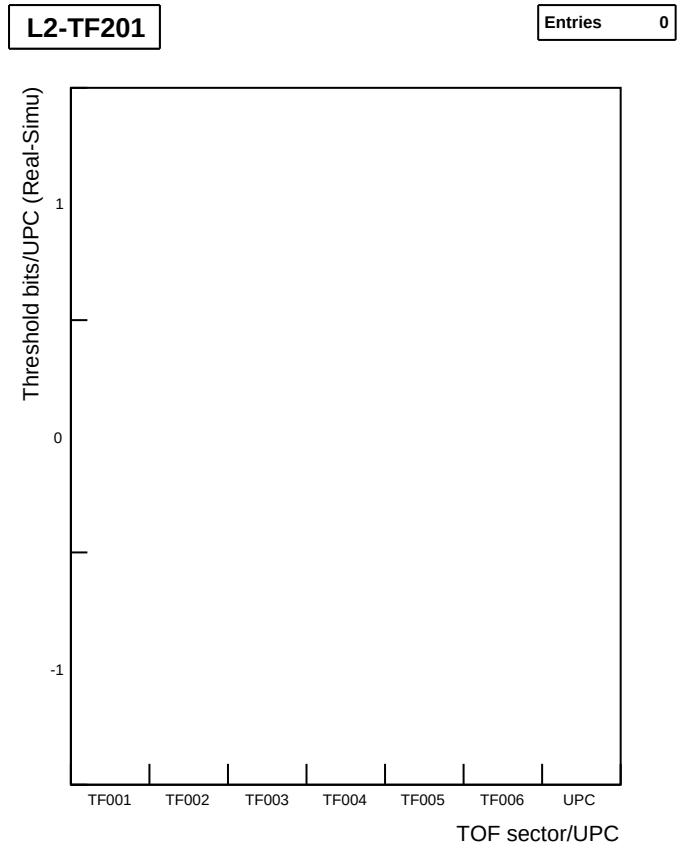

MIX-TF101
Entries 4308090
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

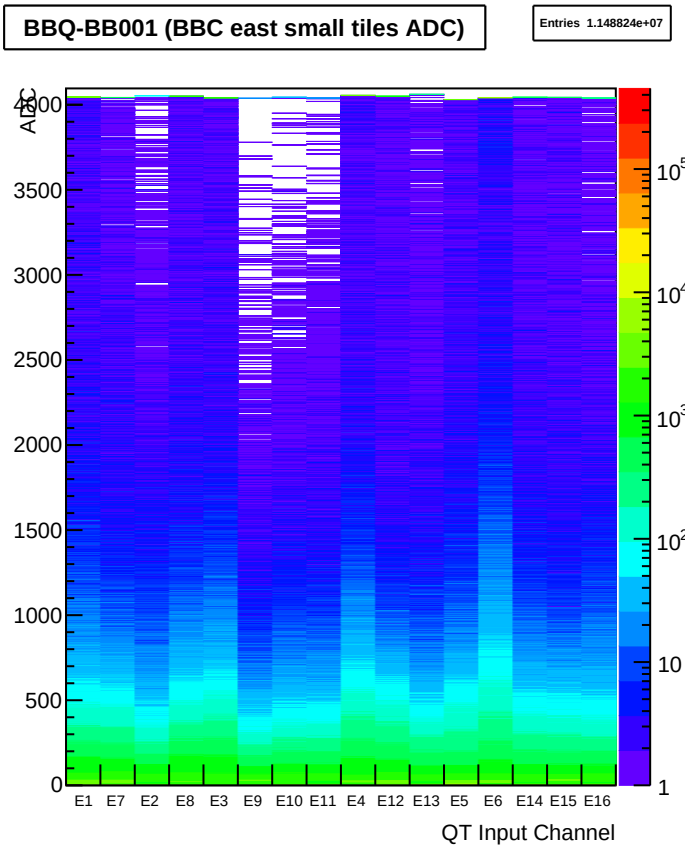

MIX-TF101
Entries 531800
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

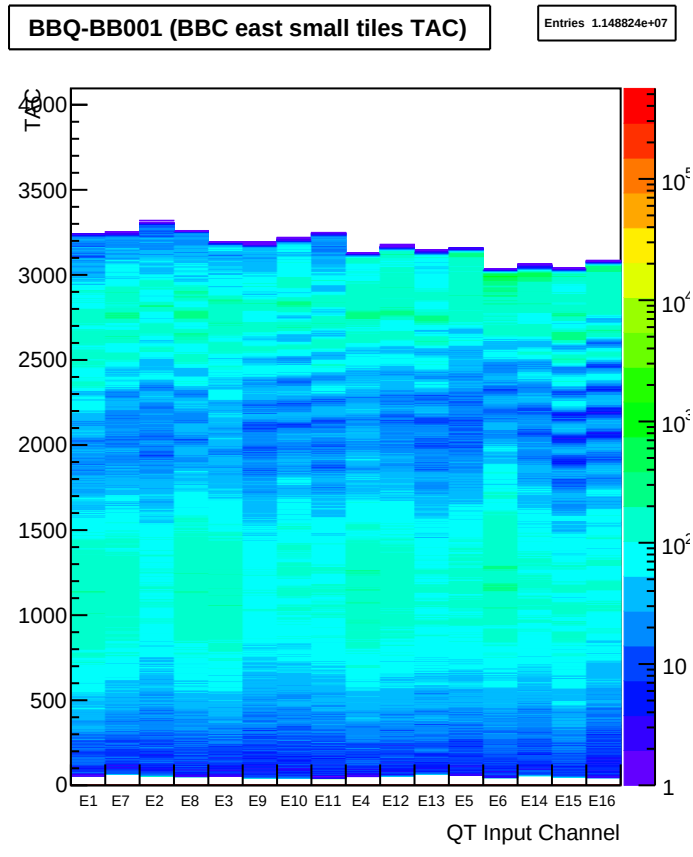

L2-TF201
Entries 718015
TOF total mult

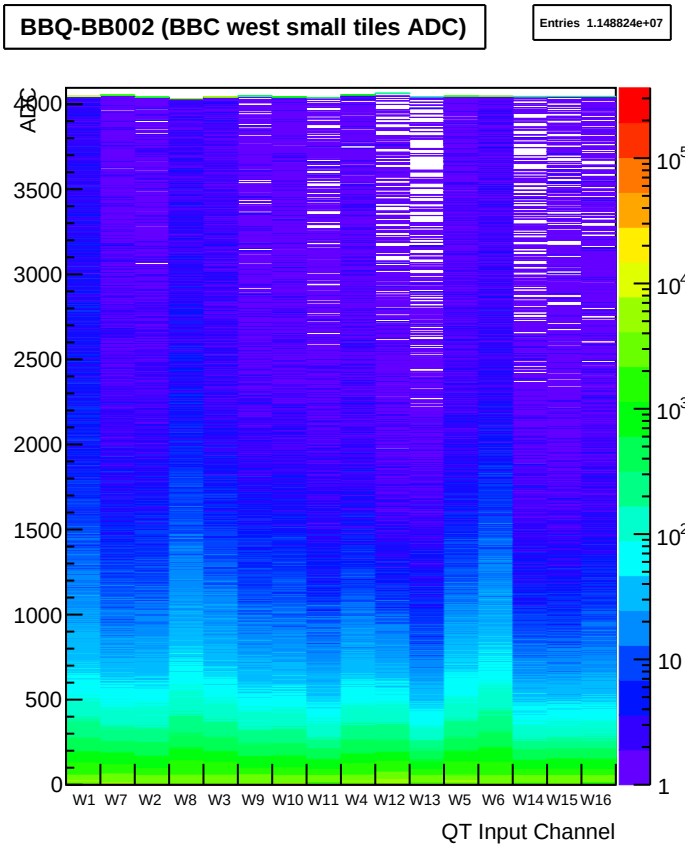

L2-TF201
Entries 0
TOF total mult(Real-Simu)

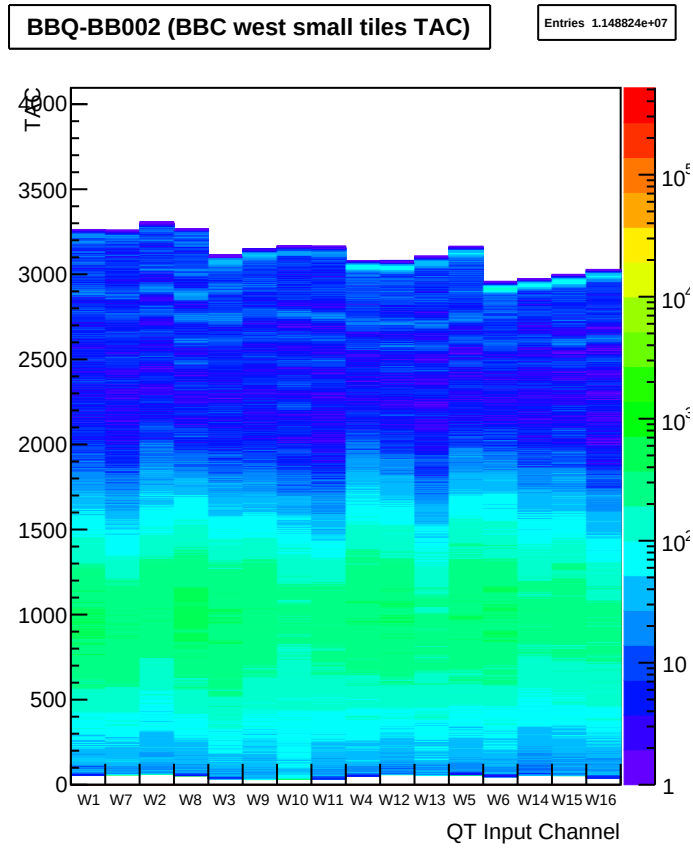

L2-TF201
Entries 5026105
Threshold/UPC bits
635774
640436
635129
641112
636047
632757
685160
82241
77579
82886
76903
81968
85258
32855
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

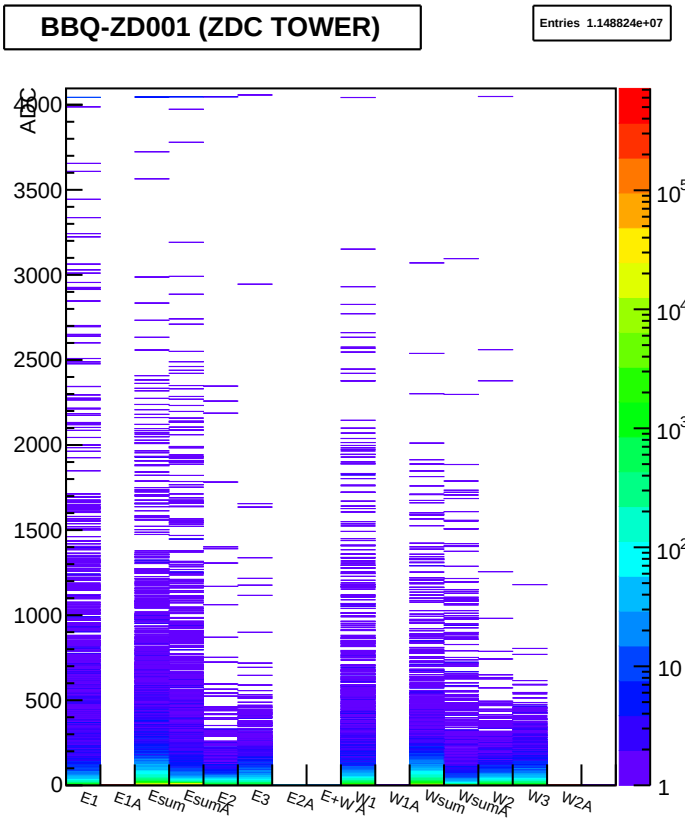

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

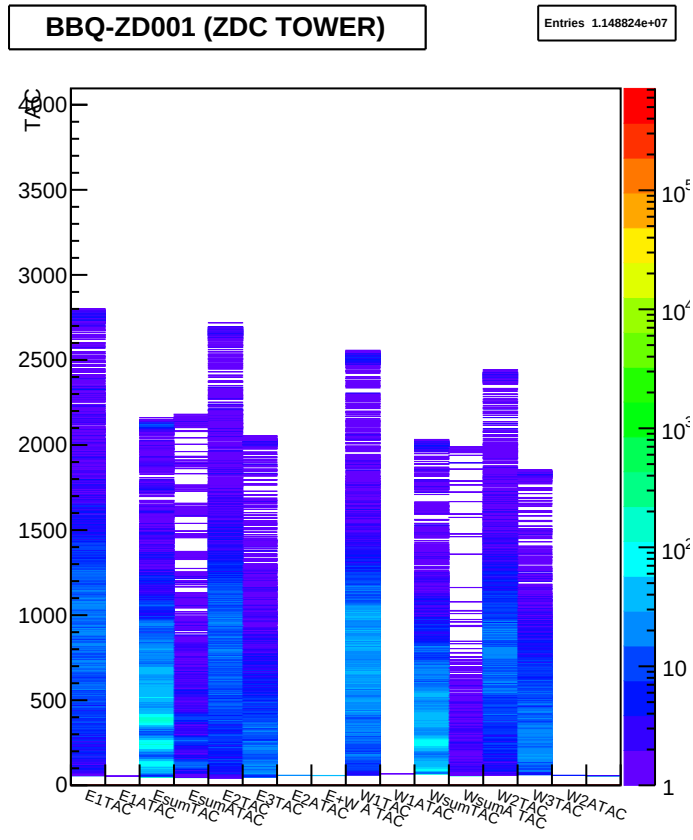

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.148824e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

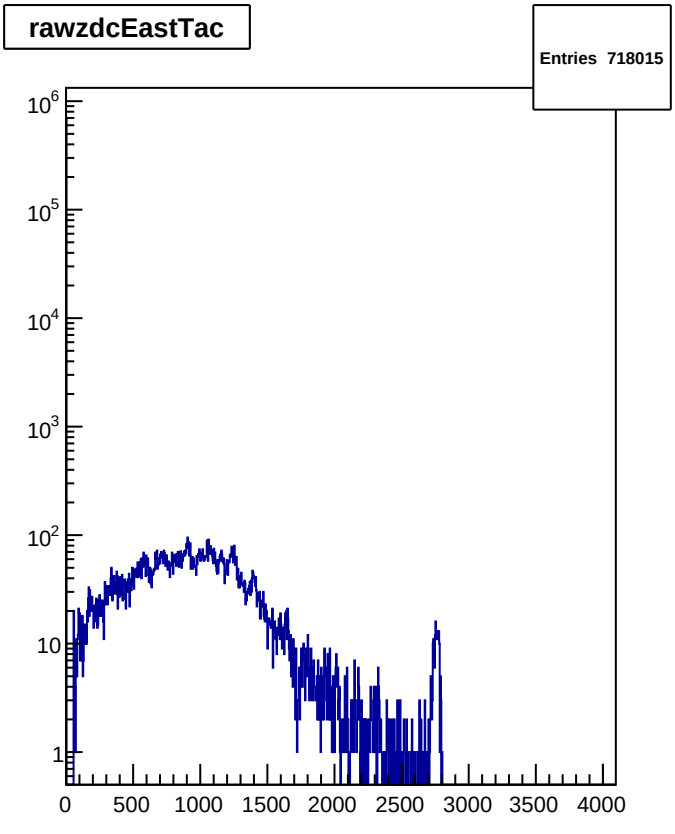

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.148824e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

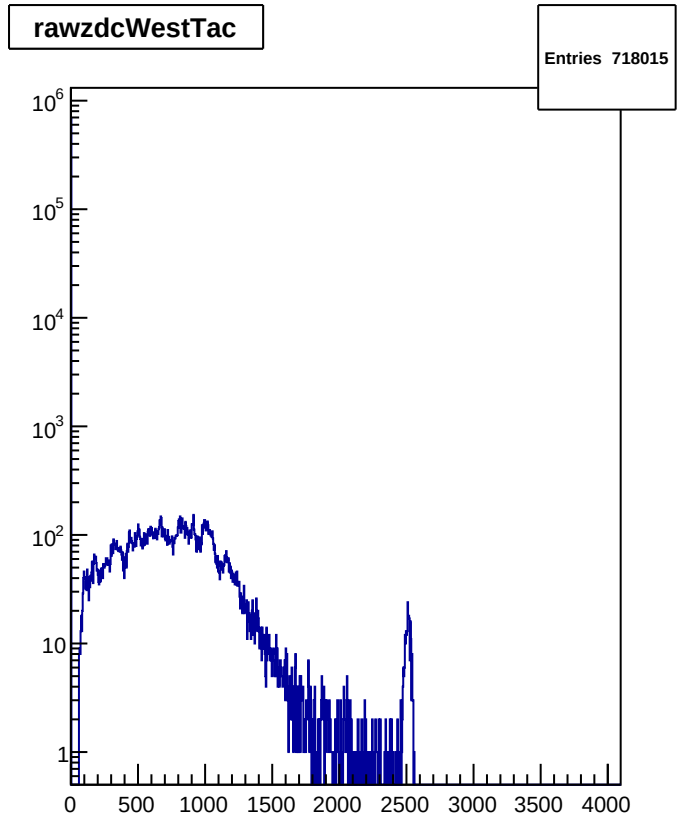

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.148824e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

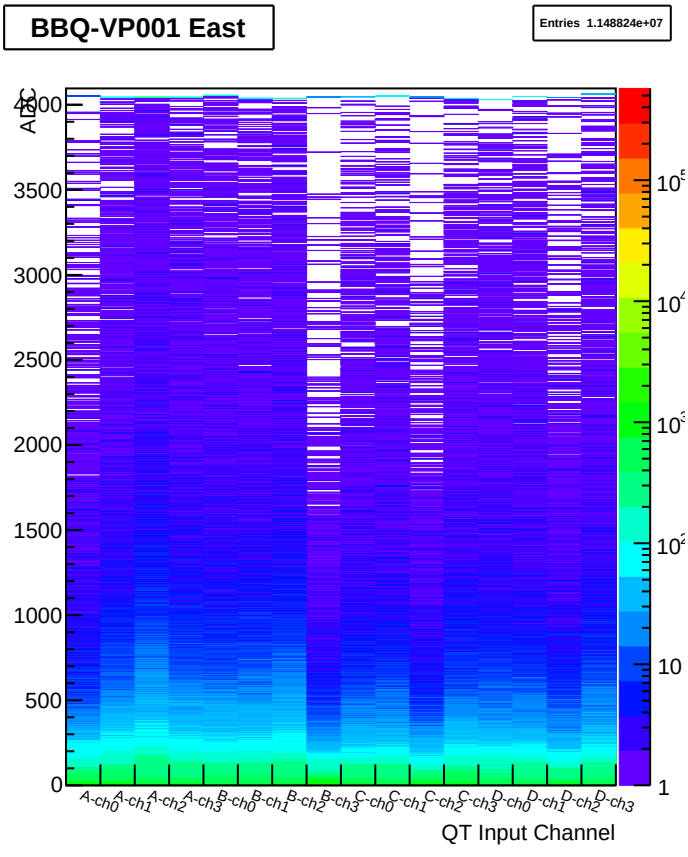

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.148824e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

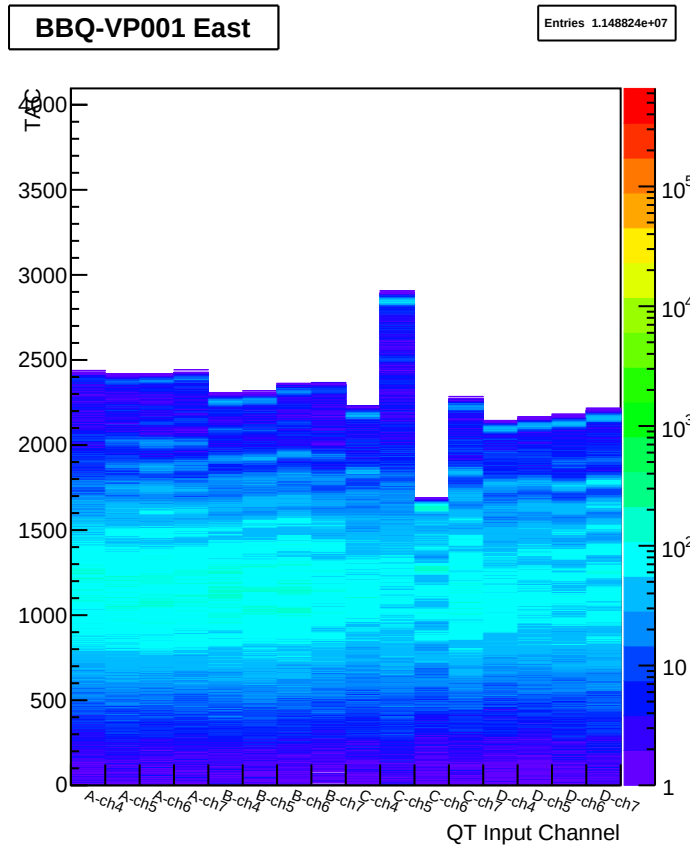

BBQ-ZD001 (ZDC TOWER)
Entries 1.148824e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

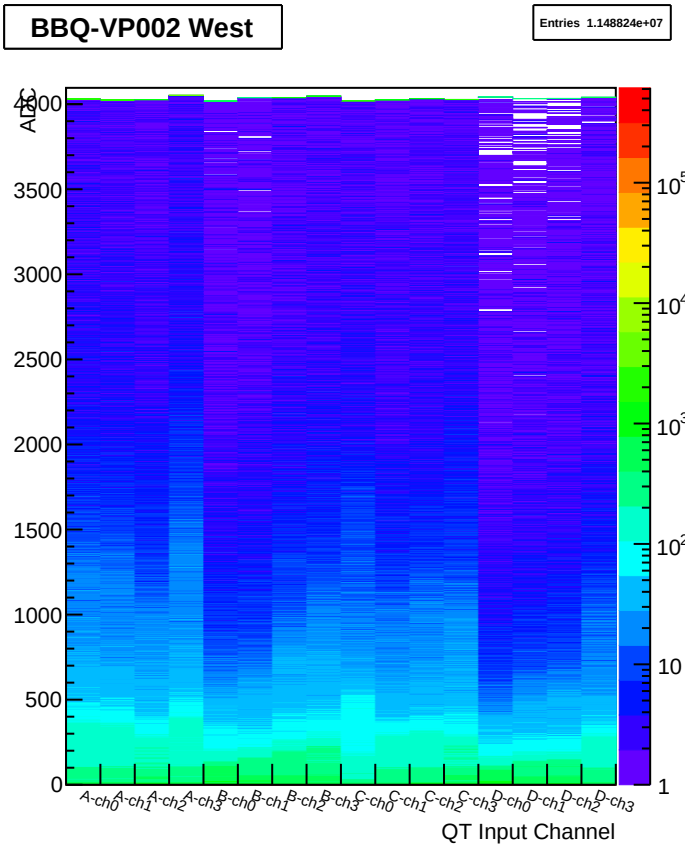

BBQ-ZD001 (ZDC TOWER)
Entries 1.148824e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

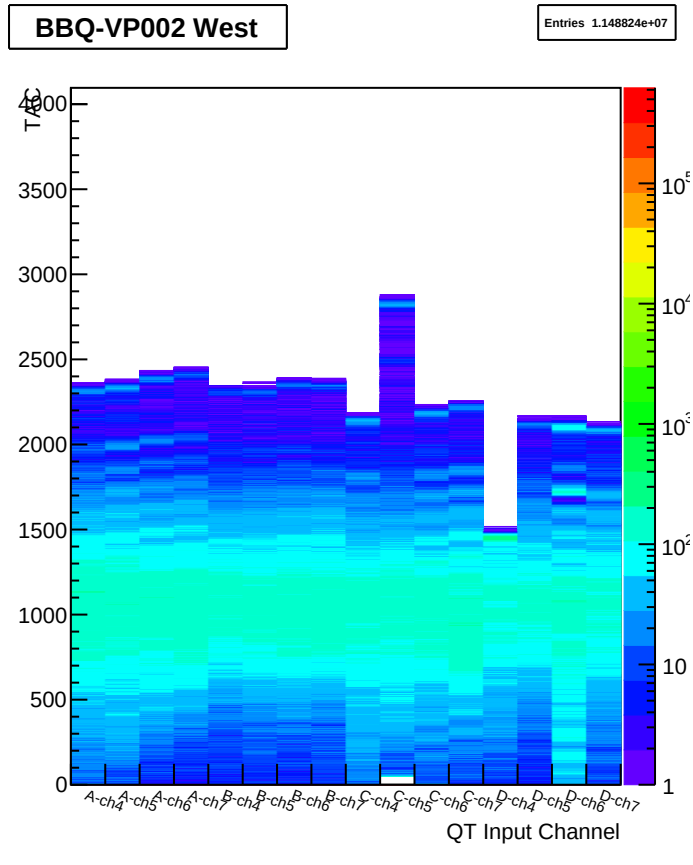

rawzdcEastTac
Entries 718015

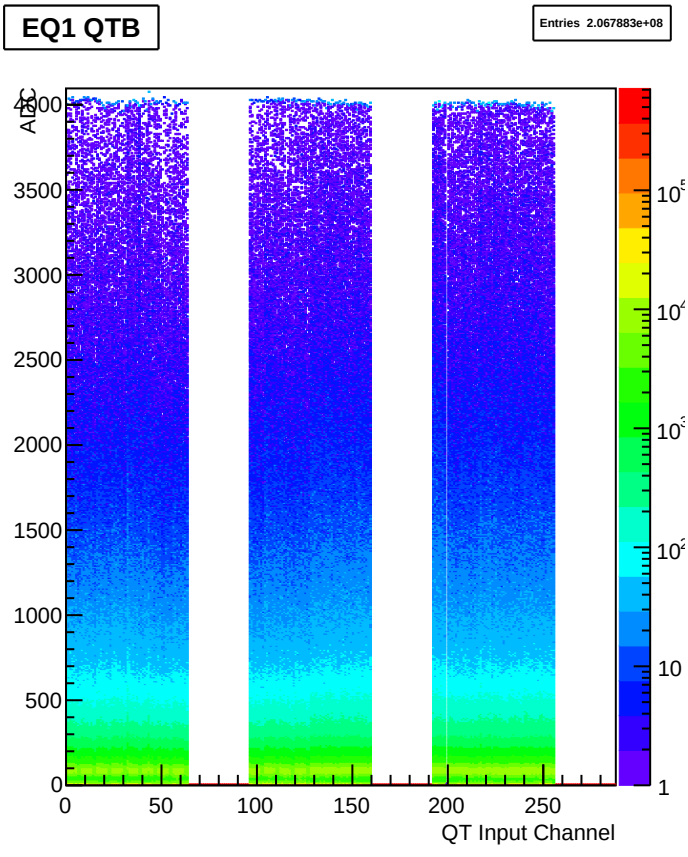

rawzdcWestTac
Entries 718015

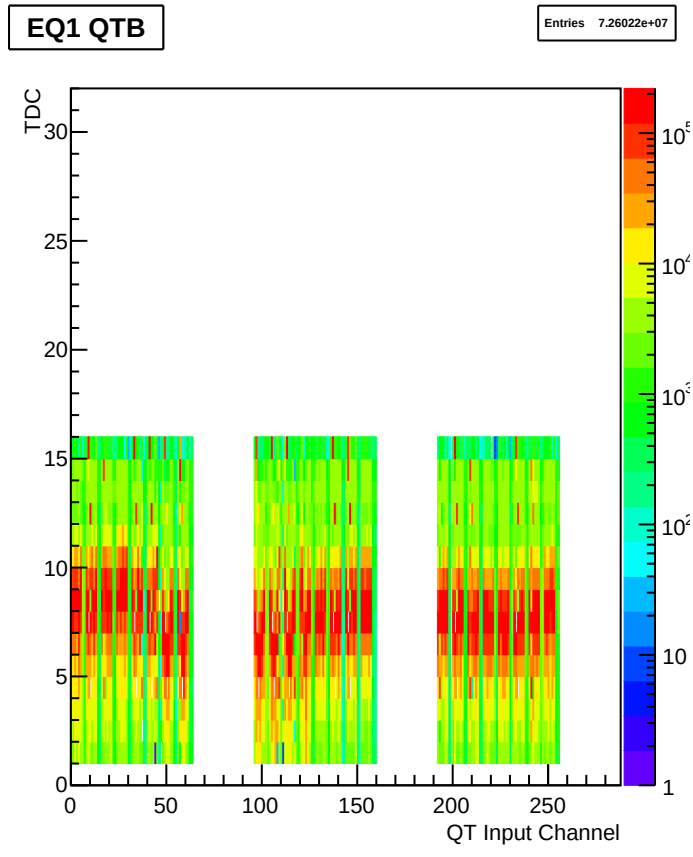

BBQ-VP001 East
Entries 1.148824e+07
ADC
QT Input Channel

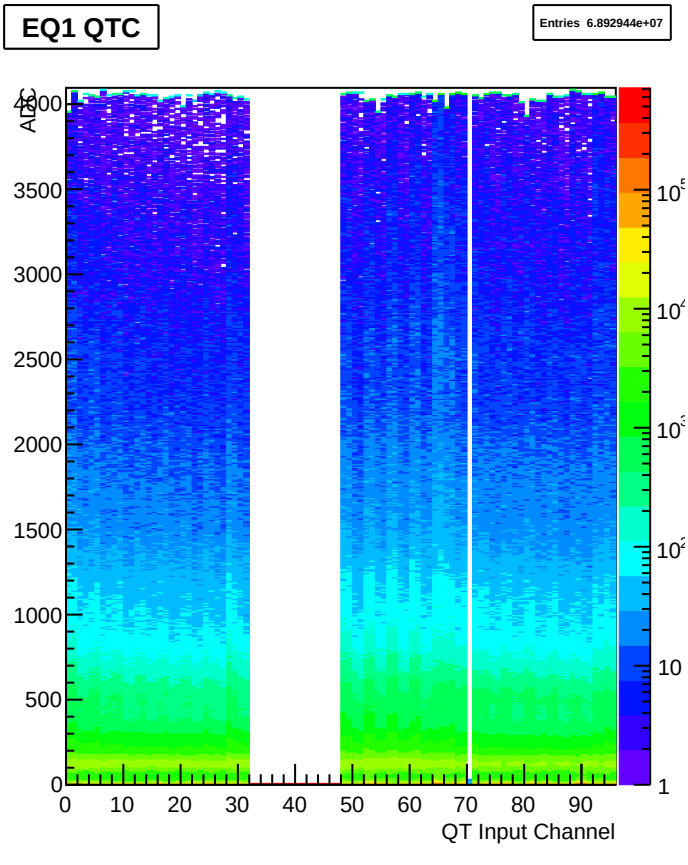

BBQ-VP001 East
Entries 1.148824e+07
TADC
QT Input Channel

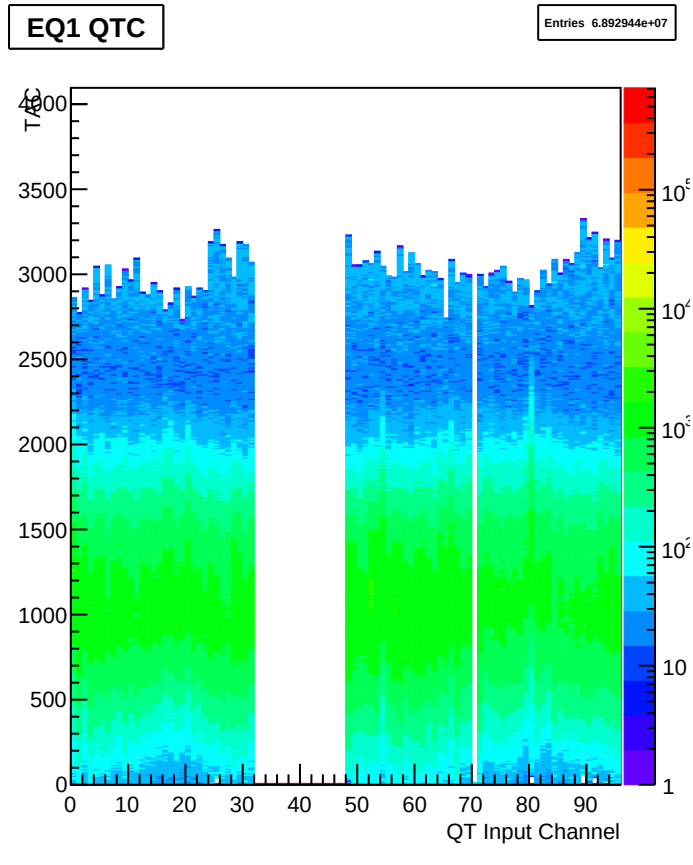

BBQ-VP002 West
Entries 1.148824e+07
ADC
QT Input Channel

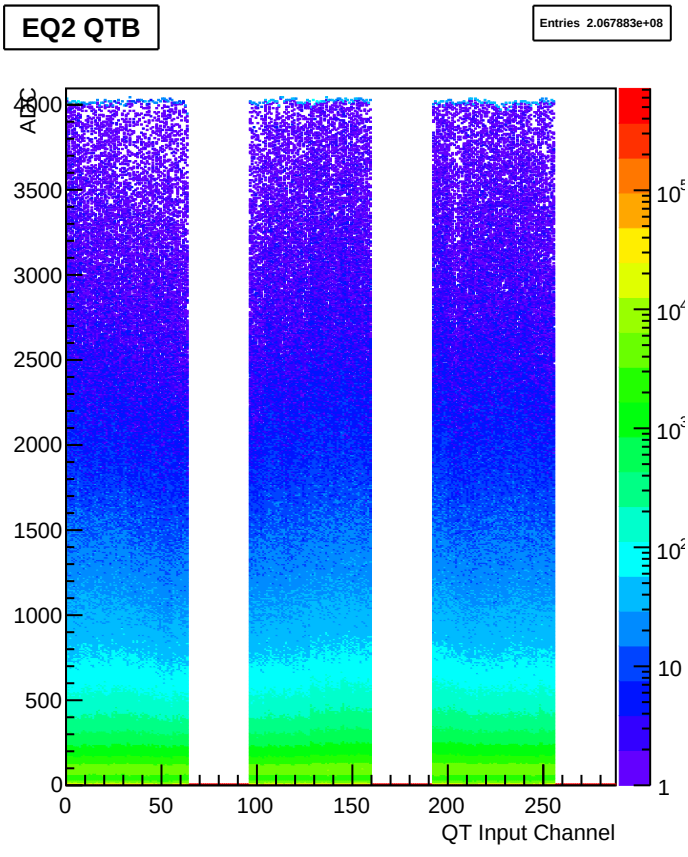

BBQ-VP002 West
Entries 1.148824e+07
TADC
QT Input Channel

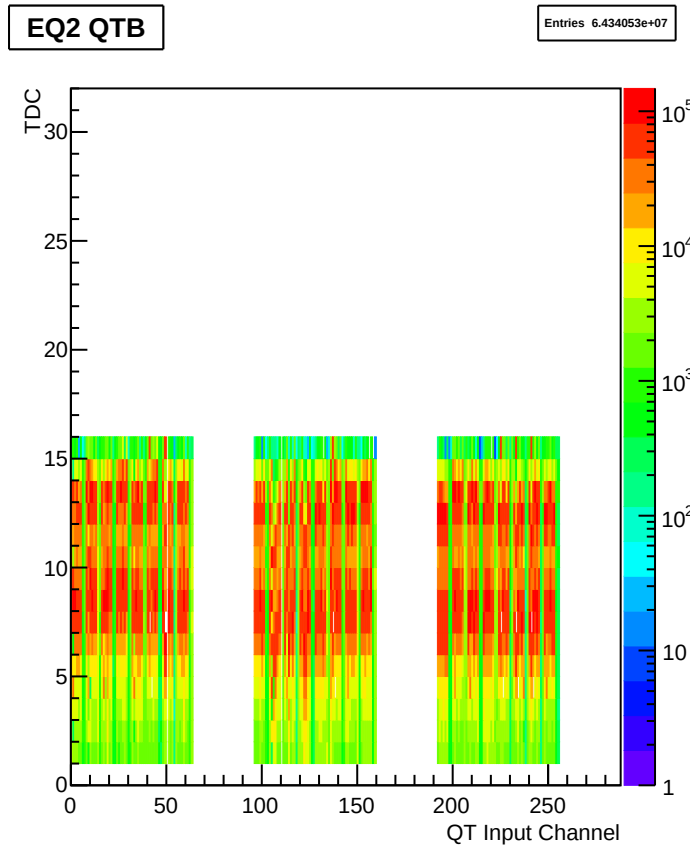

EQ1 QTB
Entries 2.067883e+08
ADC
QT Input Channel

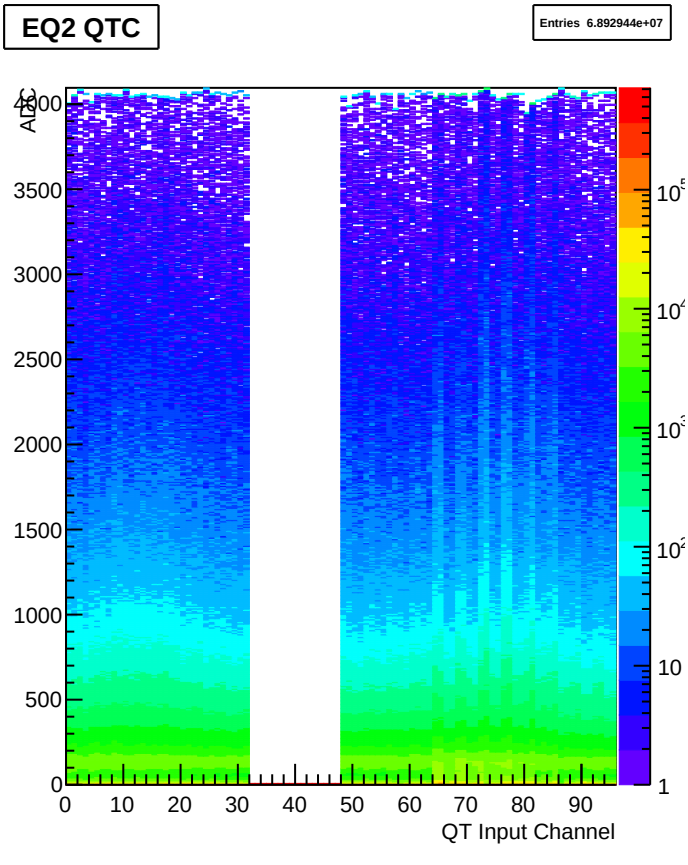

EQ1 QTB
Entries 7.26022e+07
TDC
QT Input Channel

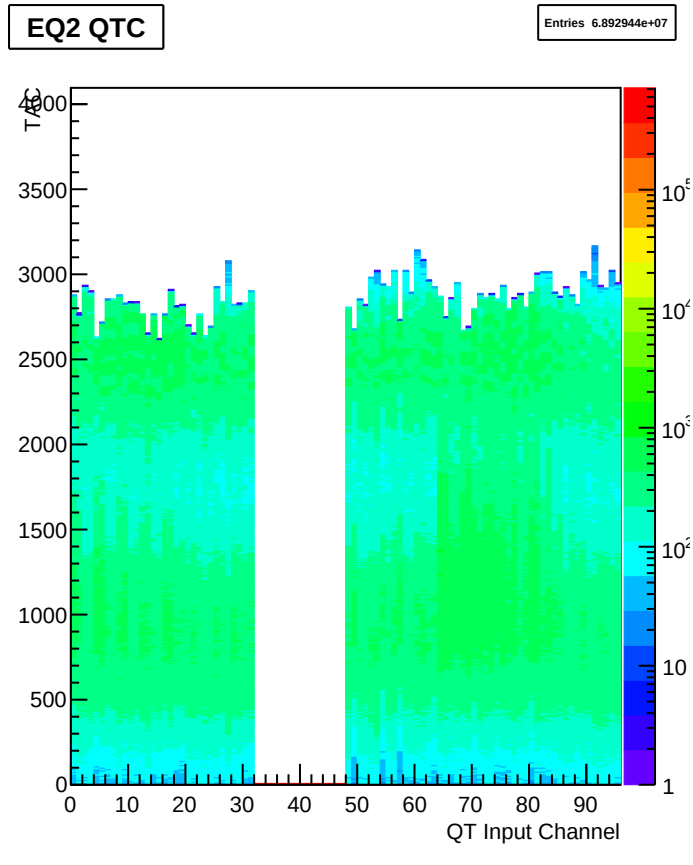

EQ1 QTC
Entries 6.892944e+07
ADC
QT Input Channel

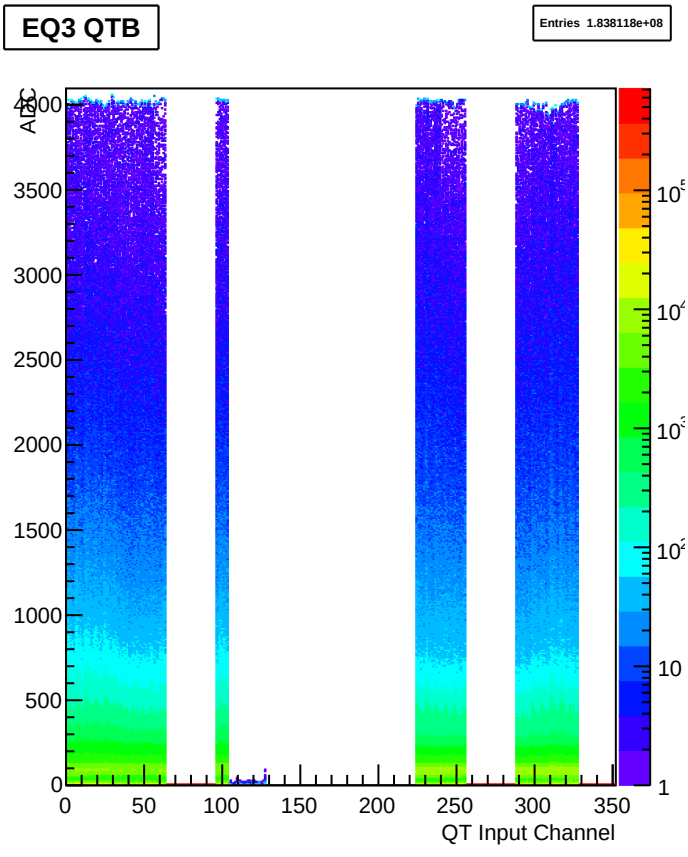

EQ1 QTC
Entries 6.892944e+07
TADC
QT Input Channel

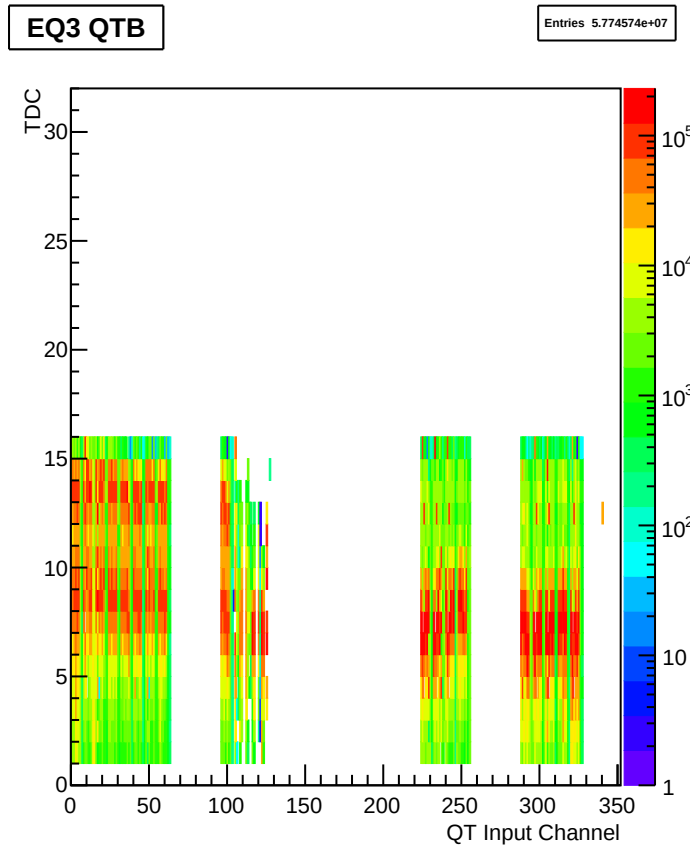

EQ2 QTB
Entries 2.067883e+08
ADC
QT Input Channel

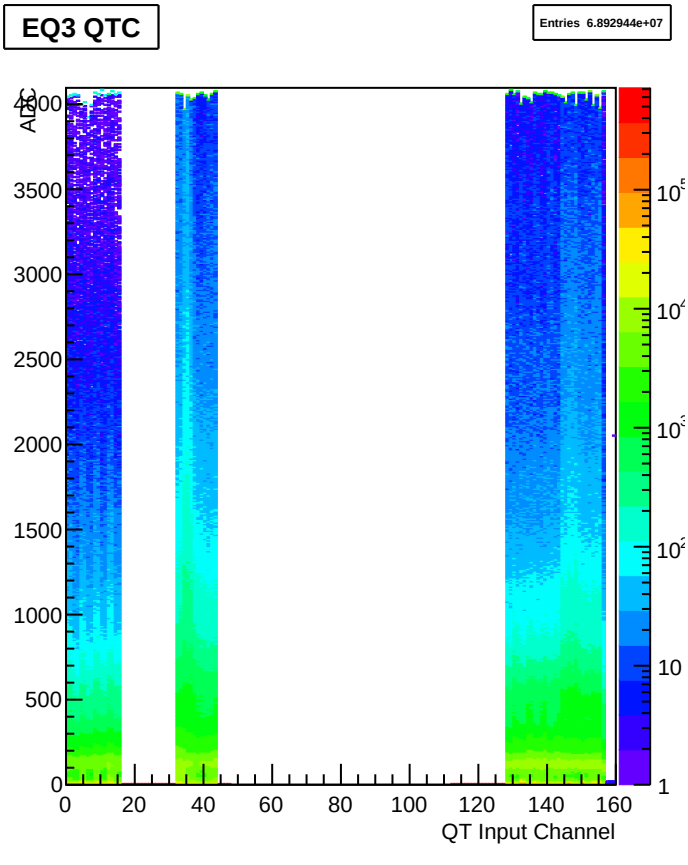

EQ2 QTB
Entries 6.434053e+07
TDC
QT Input Channel

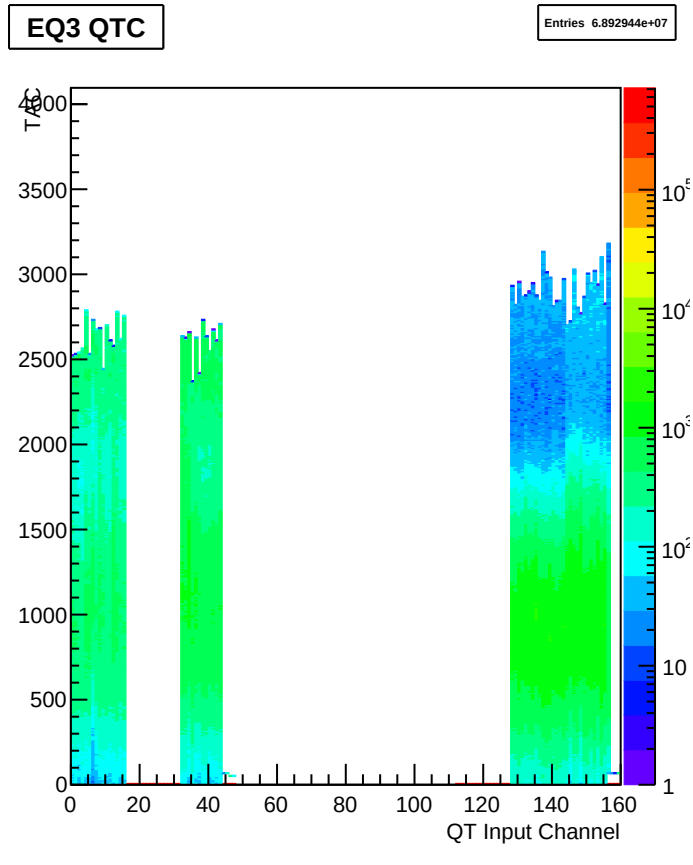

EQ2 QTC
Entries 6.892944e+07
ADC
QT Input Channel

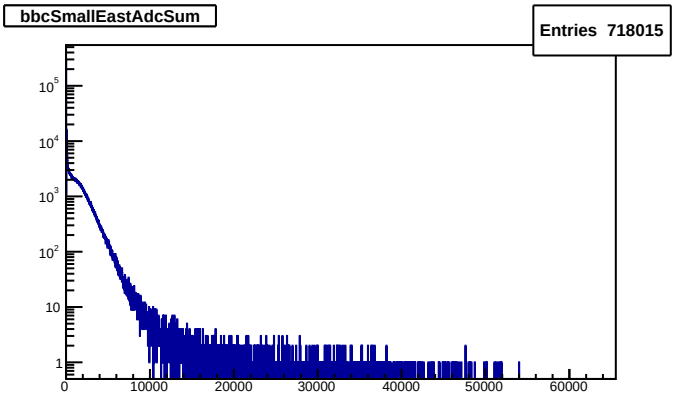

EQ2 QTC
Entries 6.892944e+07
TADC
QT Input Channel

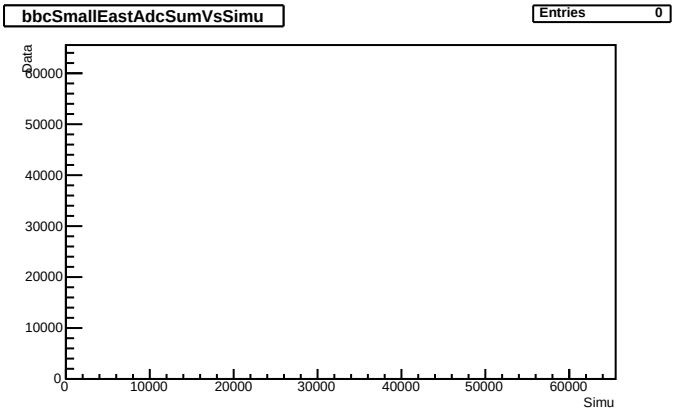

EQ3 QTB
Entries 1.838118e+08
ADC
QT Input Channel

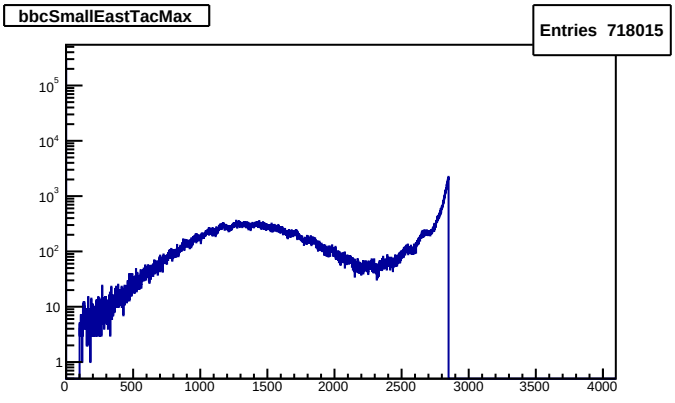

EQ3 QTB
Entries 5.774574e+07
TDC
QT Input Channel

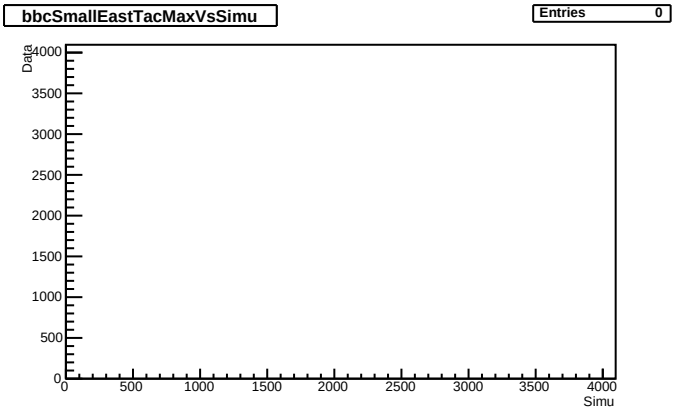

EQ3 QTC
Entries 6.892944e+07
ADC
QT Input Channel


EQ3 QTC
Entries 6.892944e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 718015


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 718015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Entries 0
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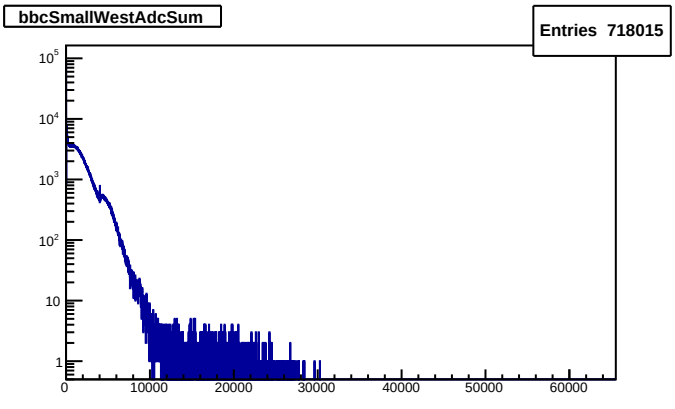
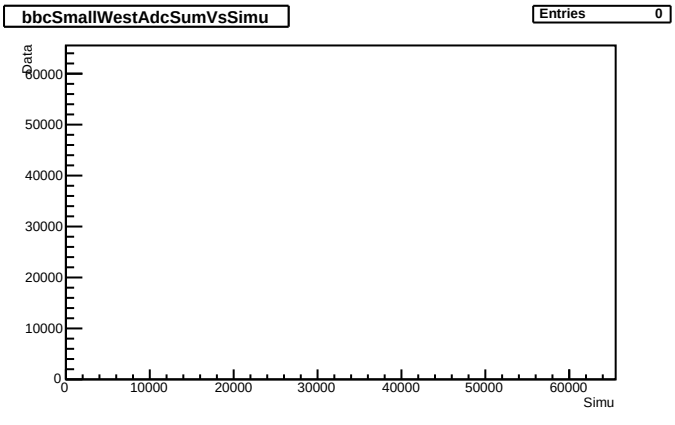
Simu


bbcSmallWestAdcSum
Entries 718015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Entries 0
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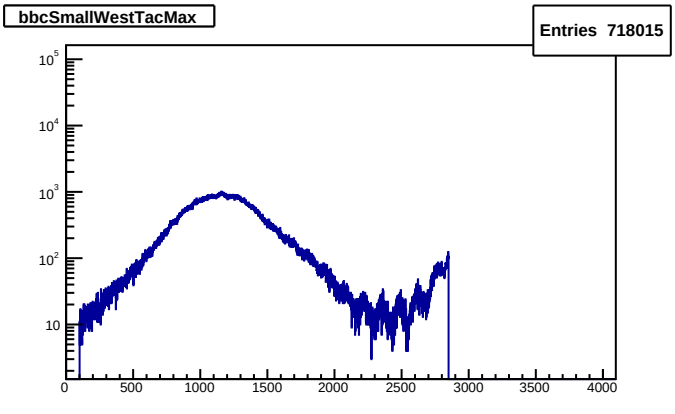
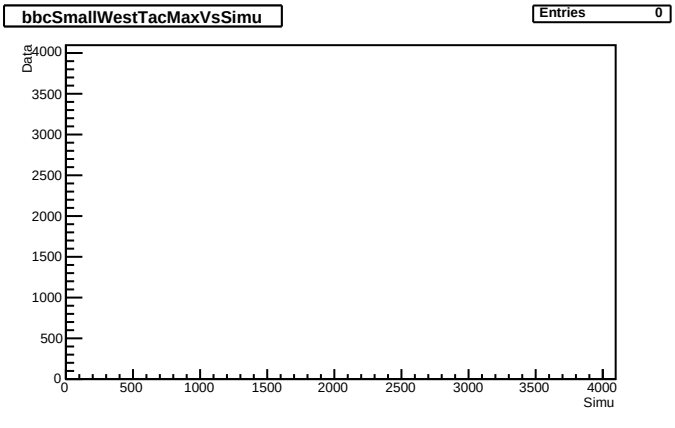
Simu


bbcSmallWestTacMax
Entries 718015


bbcSmallWestTacMaxVsSimu
Entries 0
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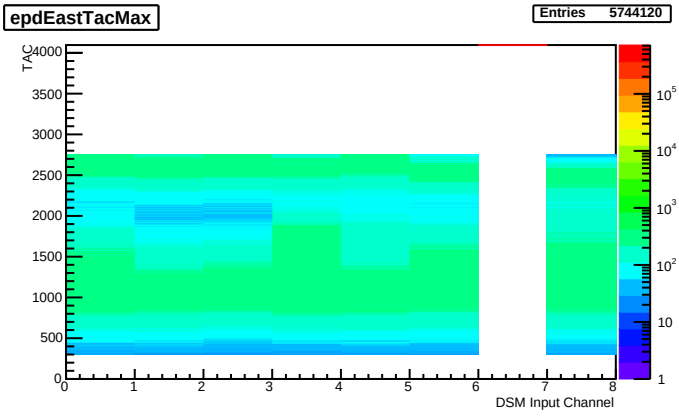
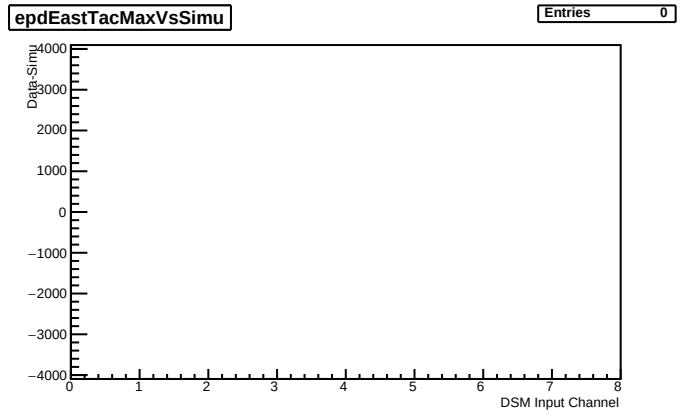
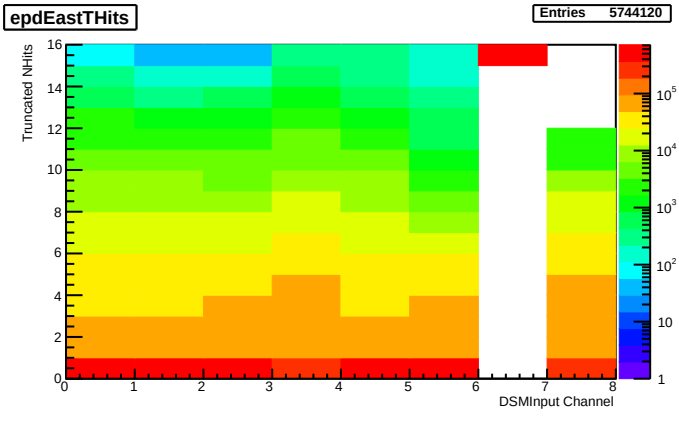
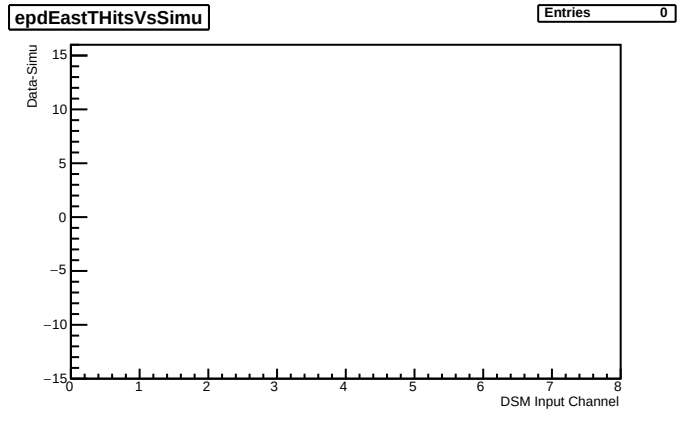
Simu


epdEastTacMax
Entries 5744120
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 5744120
Truncated NHits
DSMInput Channel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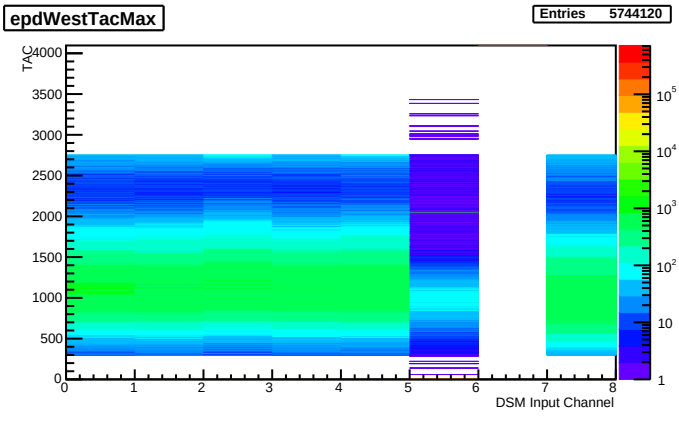
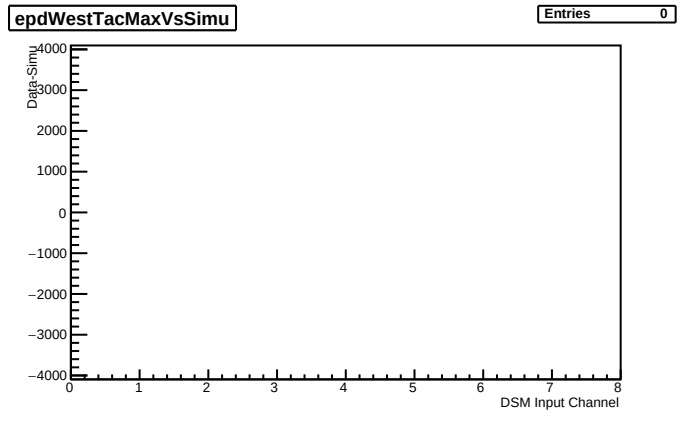
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 5744120
TAC
DSM Input Channel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Entries 0
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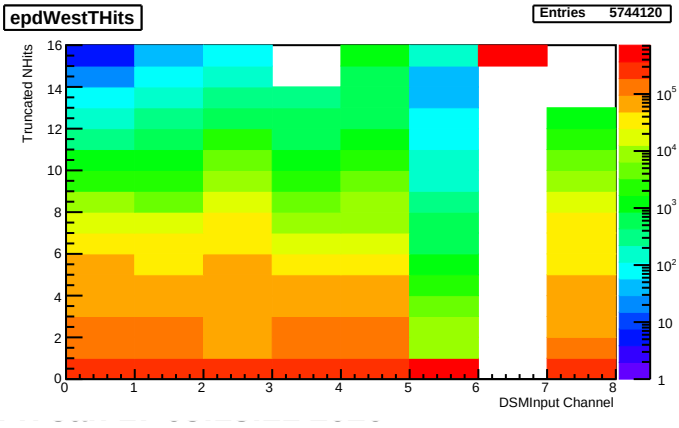
DSM Input Channel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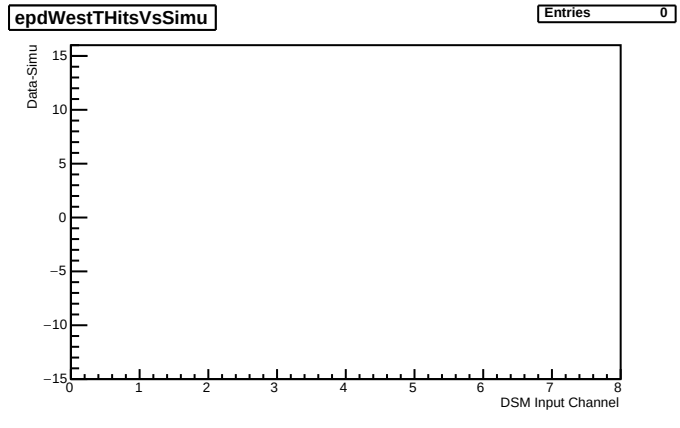
Truncated NHits
DSMInput Channel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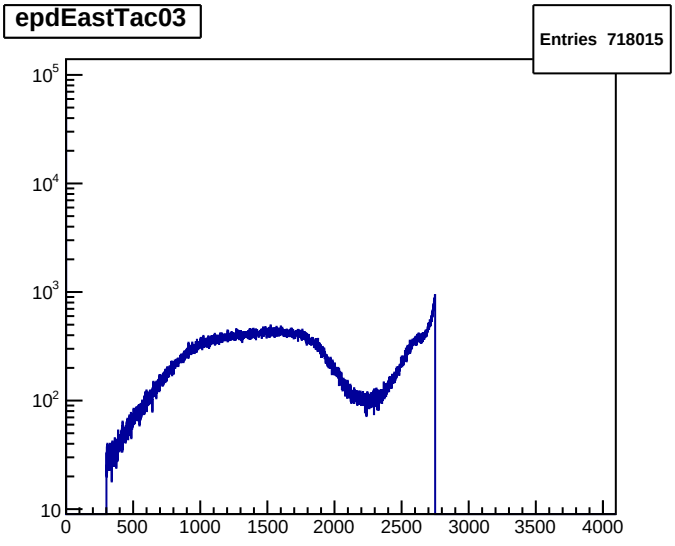
DSM Input Channel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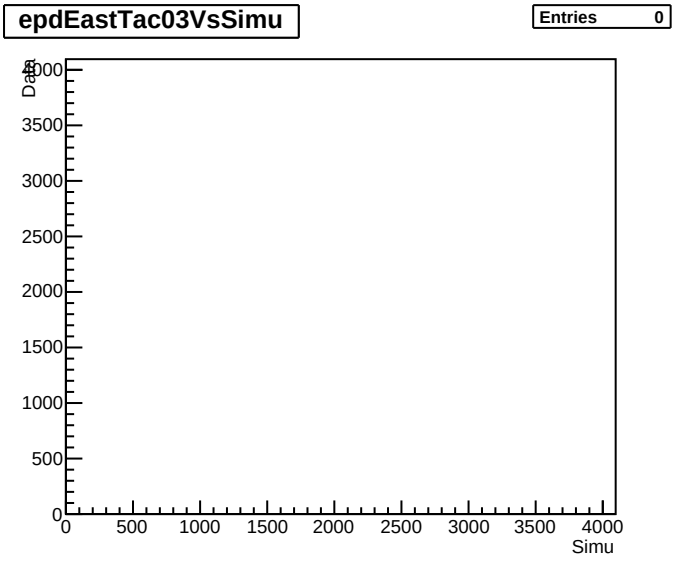
Entries 718015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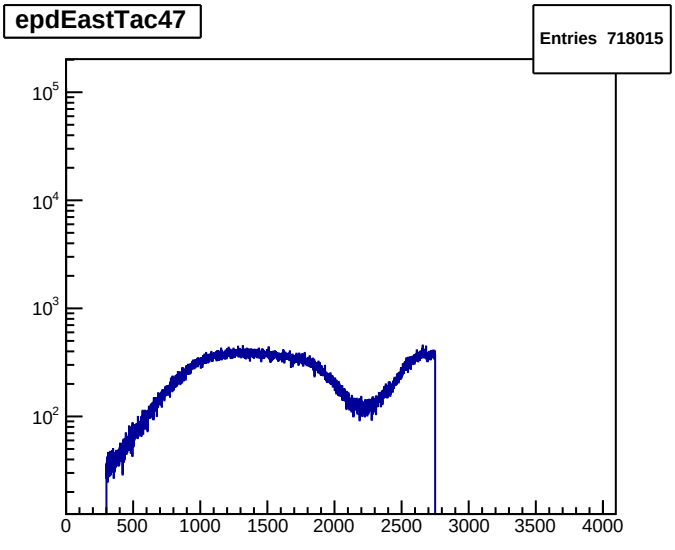
Entries 0
Data
Simu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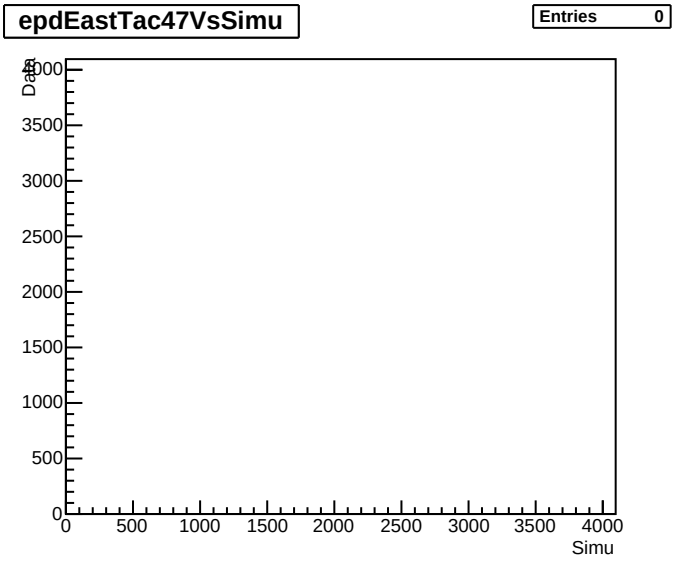
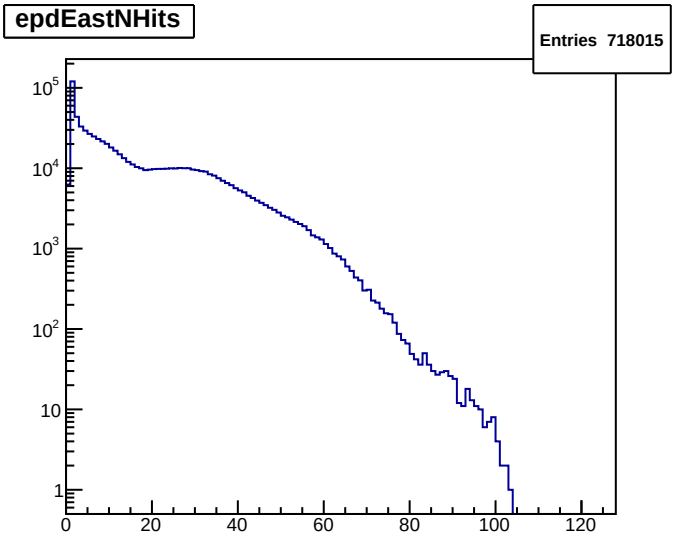

epdEastTac47VsSimu
Entries 0
Data
Simu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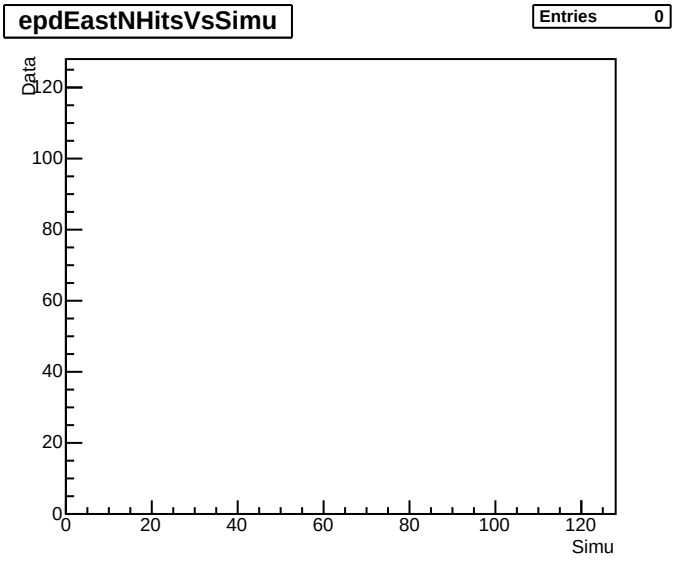
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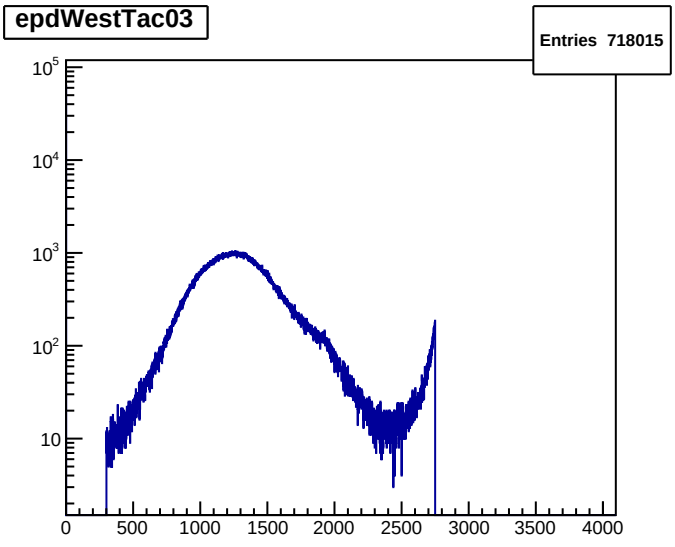
Simu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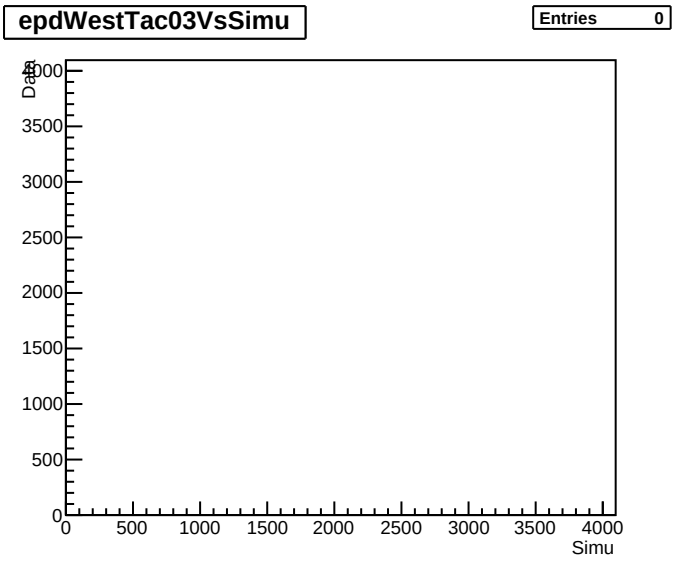
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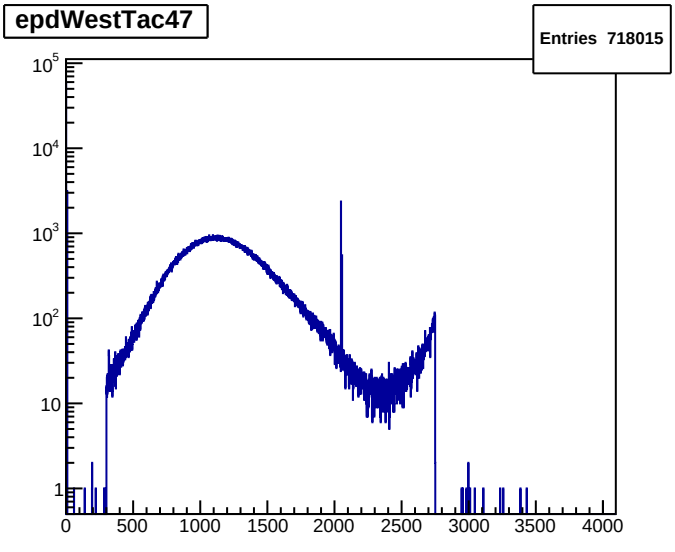
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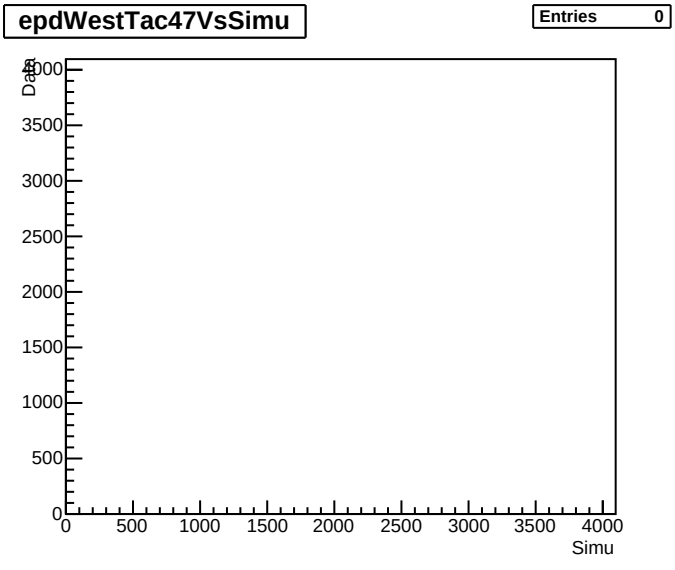
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Entries 0
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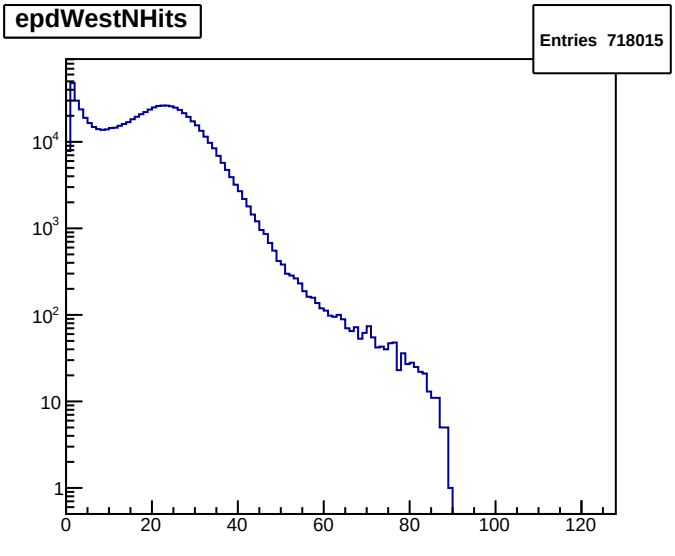
Simu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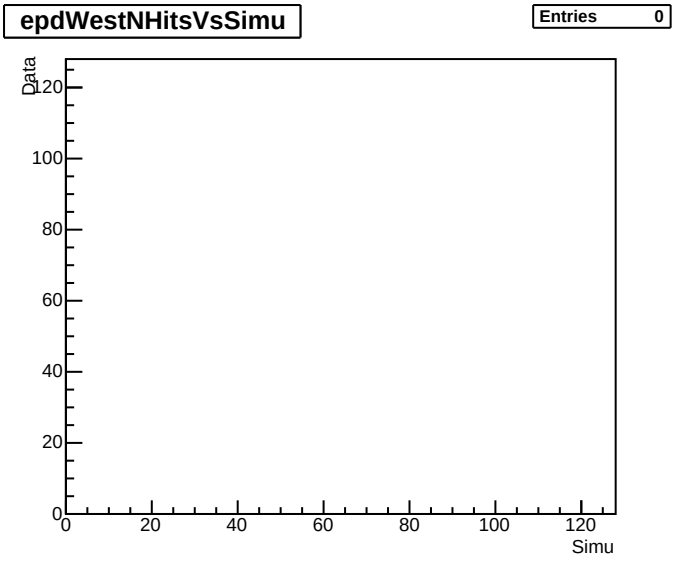
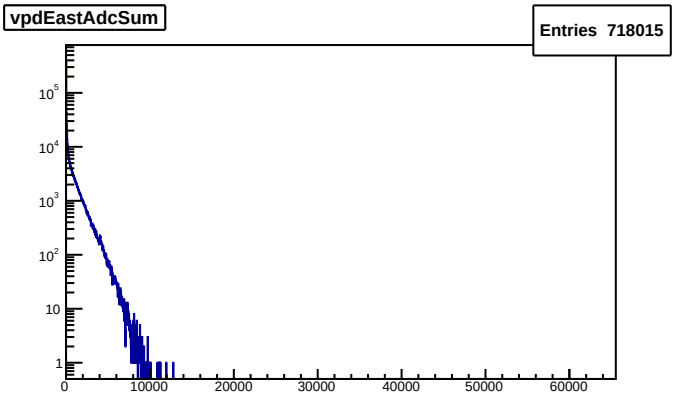
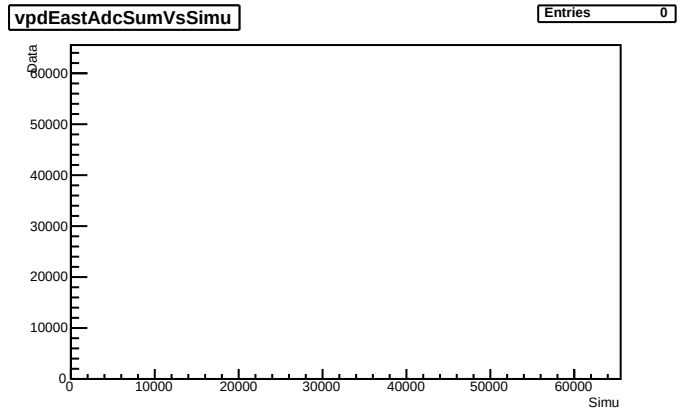
Entries 718015


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 718015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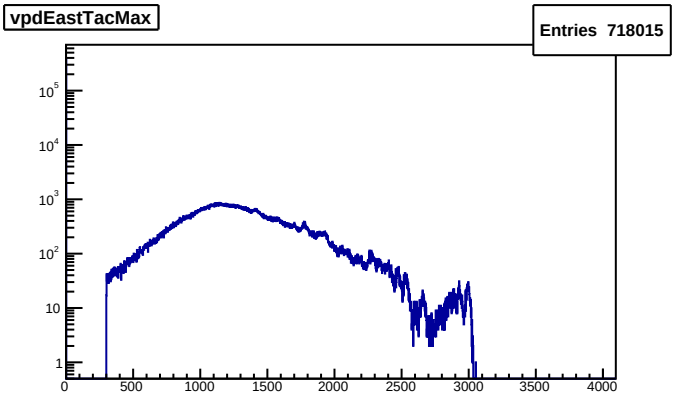
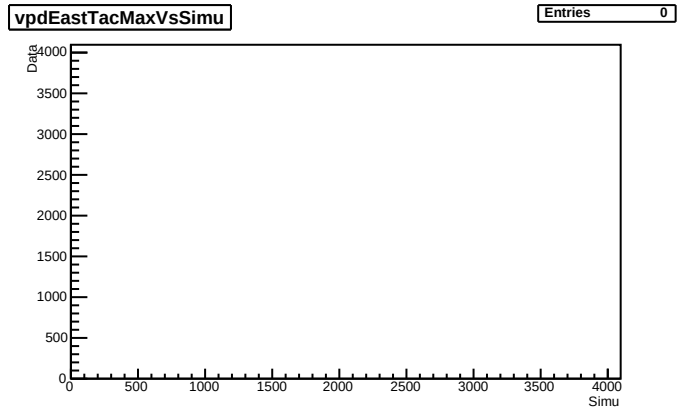
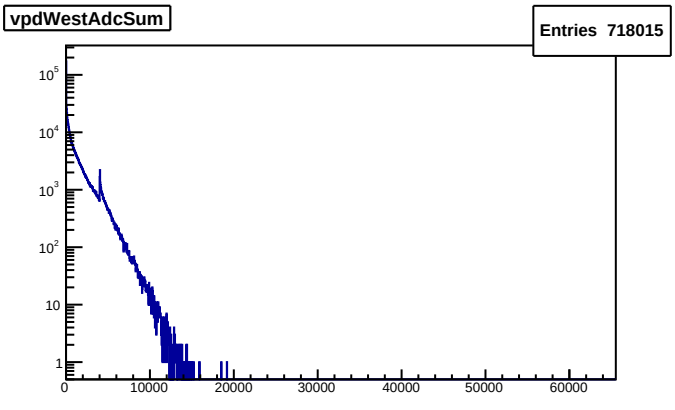
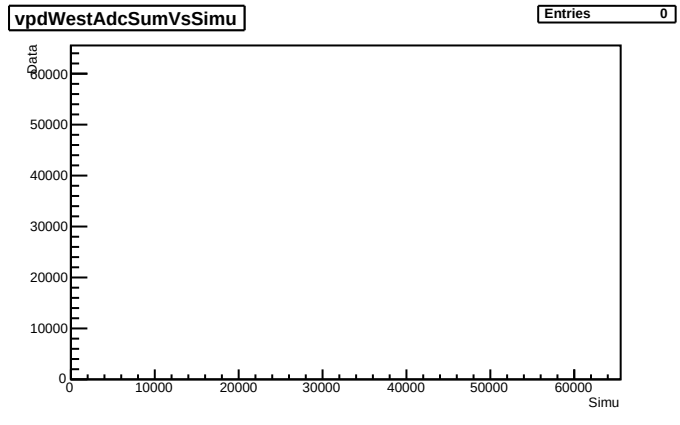
Entries 0
Data
Simu


vpdEastTacMax
Entries 718015


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 718015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Entries 0
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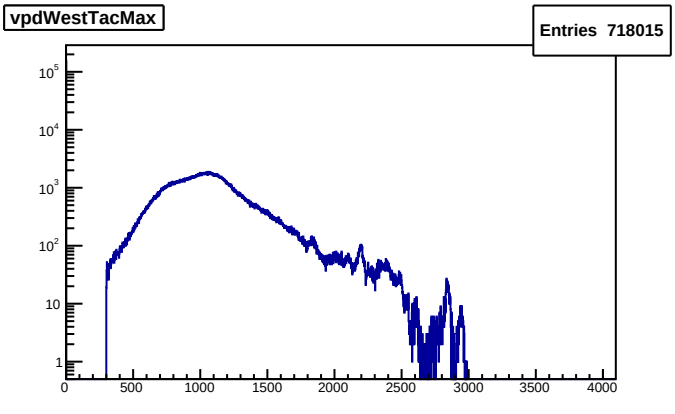
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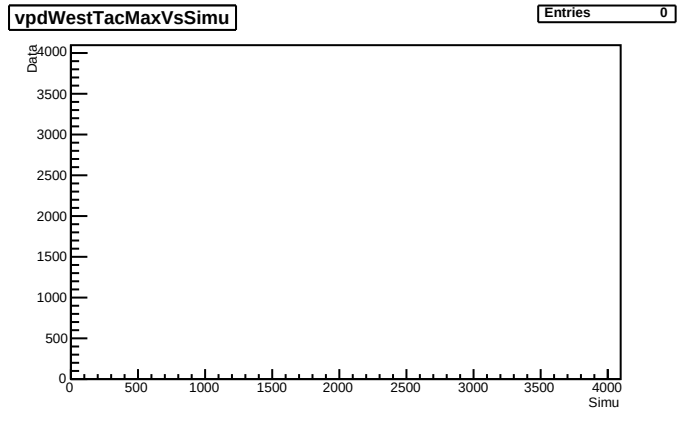
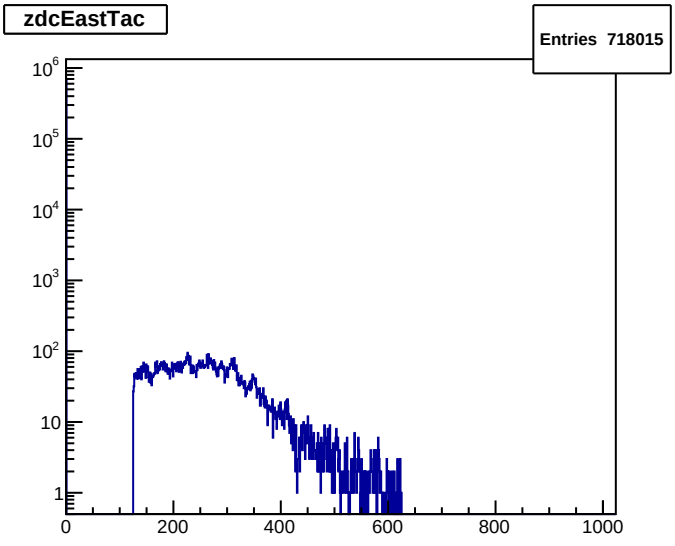
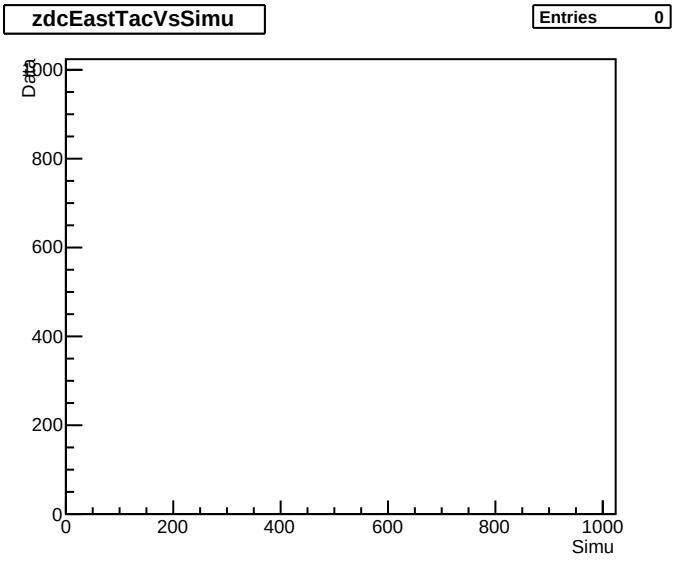
Entries 718015


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 718015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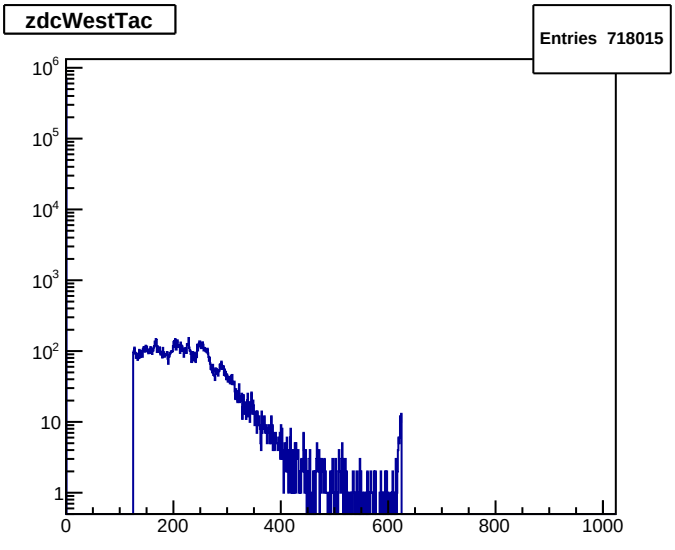
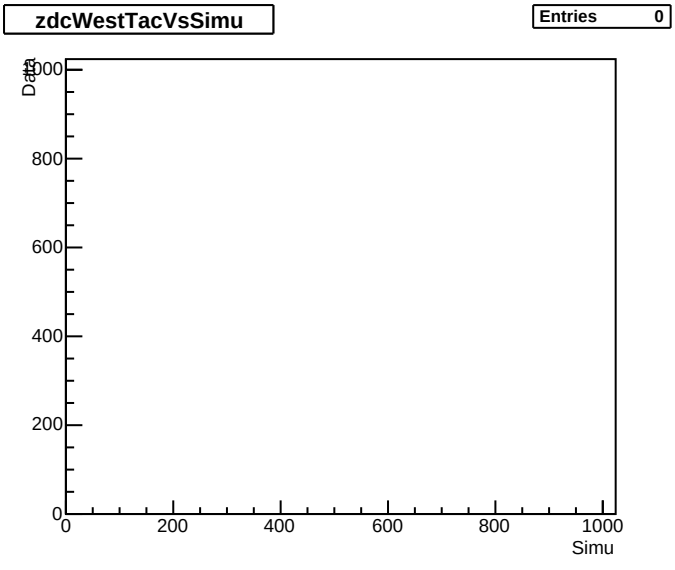
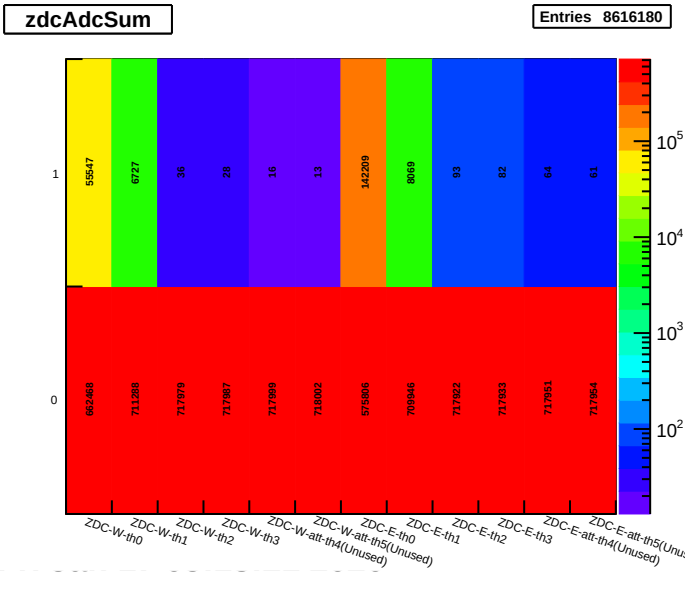
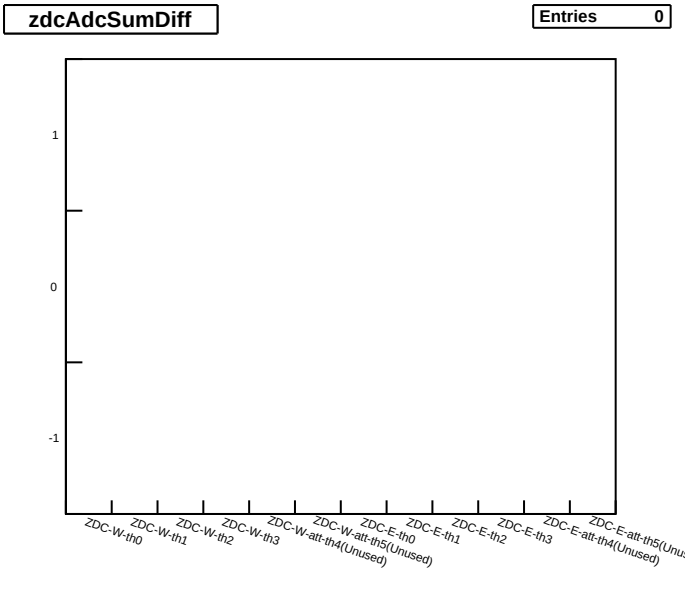
Entries 0
Data
Simu


zdcWestTac
Entries 718015


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 8616180
55547
6727
36
28
16
13
142209
8069
93
82
64
61
662468
711288
717979
717987
717999
718002
575806
709946
717922
717933
717951
717954
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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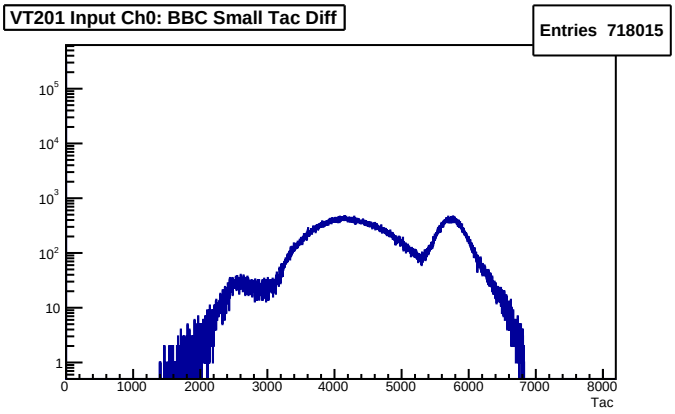
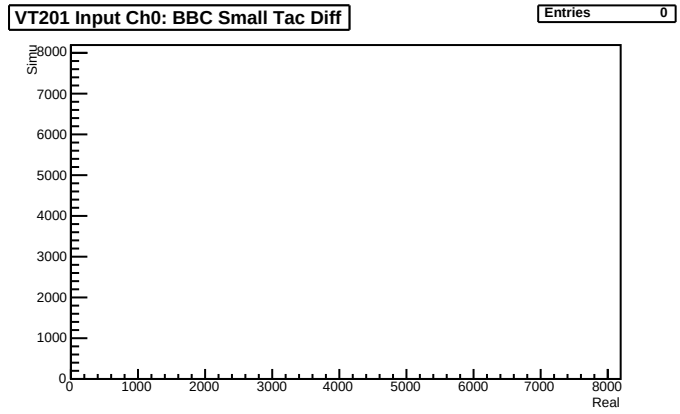
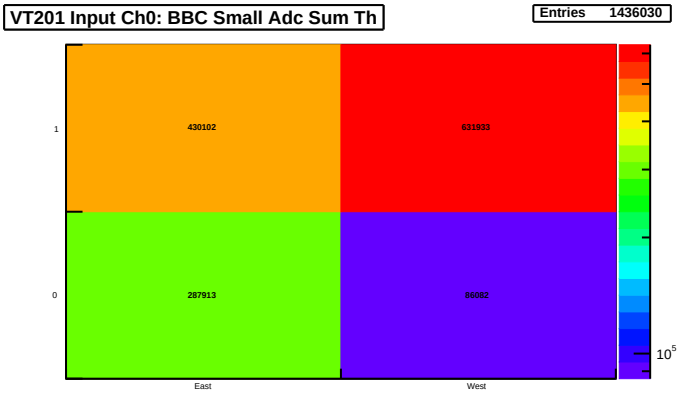
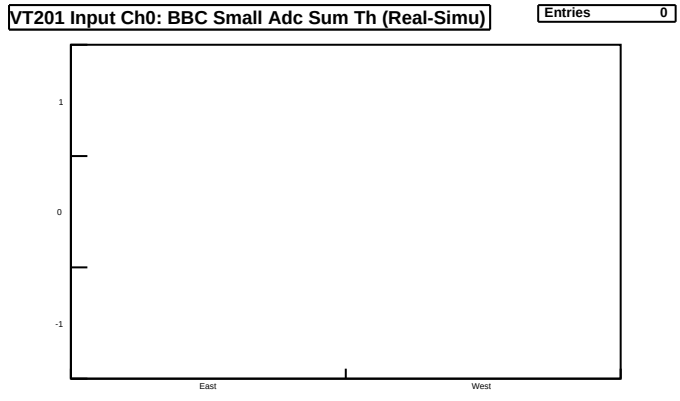
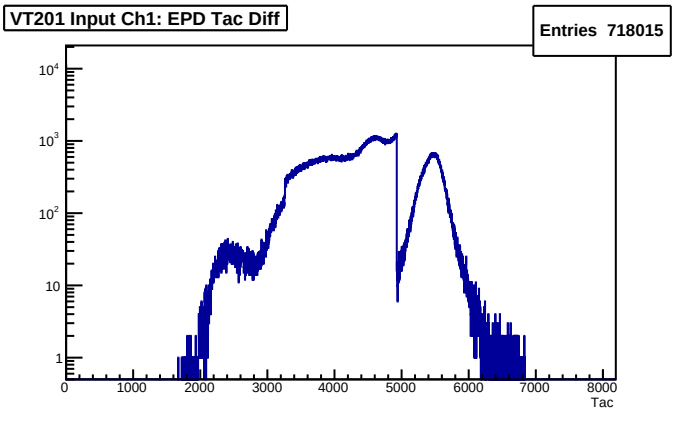
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

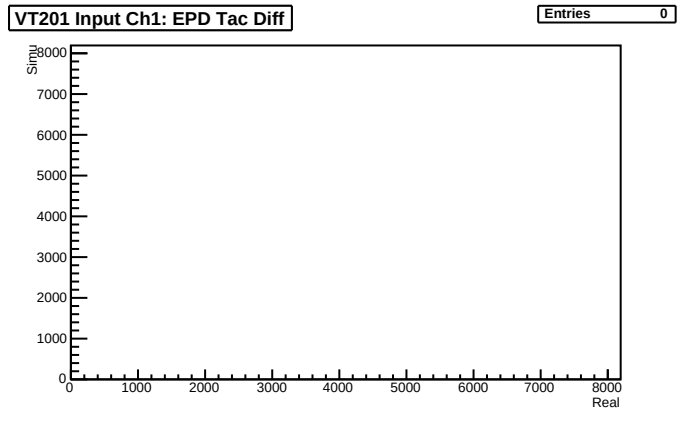

VT201 Input Ch0: BBC Small Tac Diff
Entries 718015
Tac

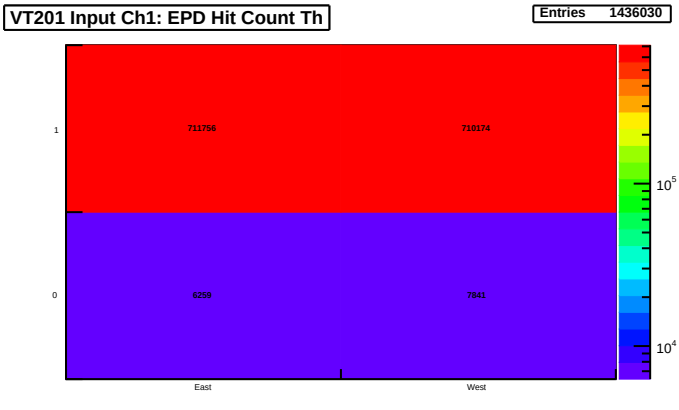

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

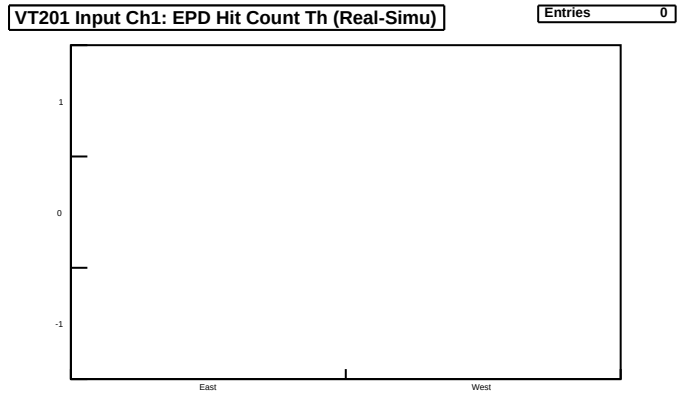

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1436030
430102
631933
287913
86082
East
West

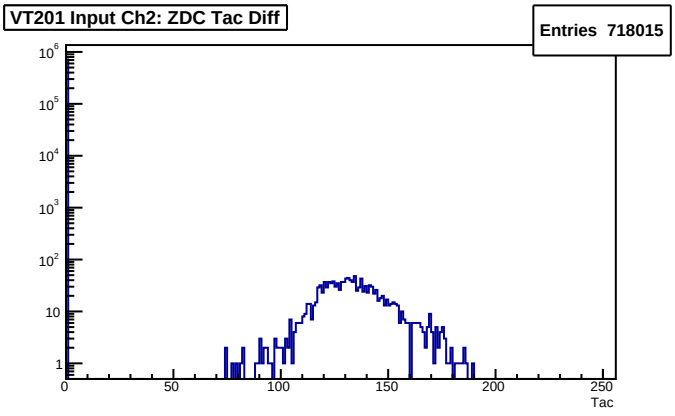

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

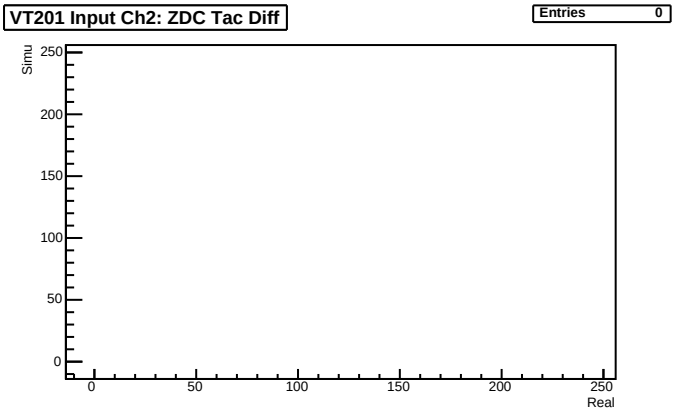

VT201 Input Ch1: EPD Tac Diff
Entries 718015
Tac

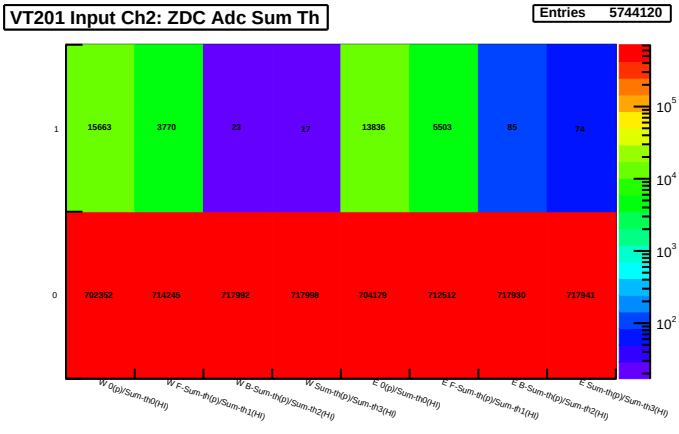

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

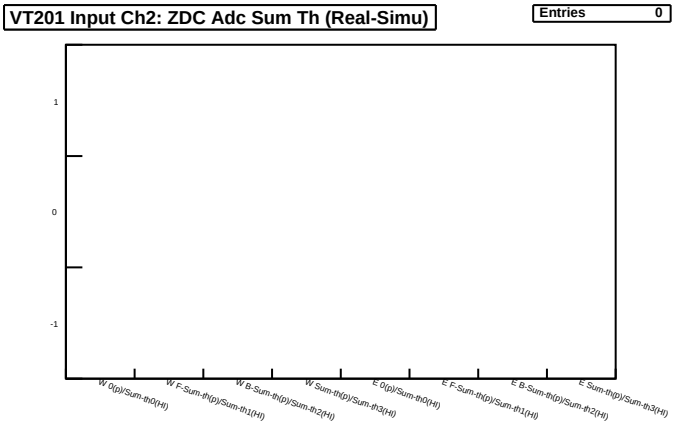

VT201 Input Ch1: EPD Hit Count Th
Entries 1436030
711756
710174
6259
7841
East
West

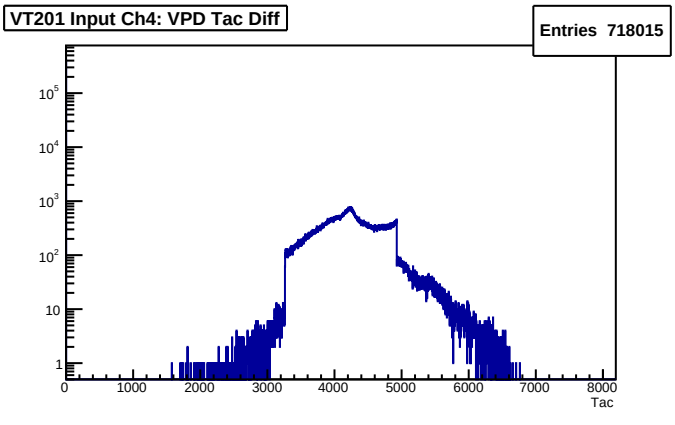

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

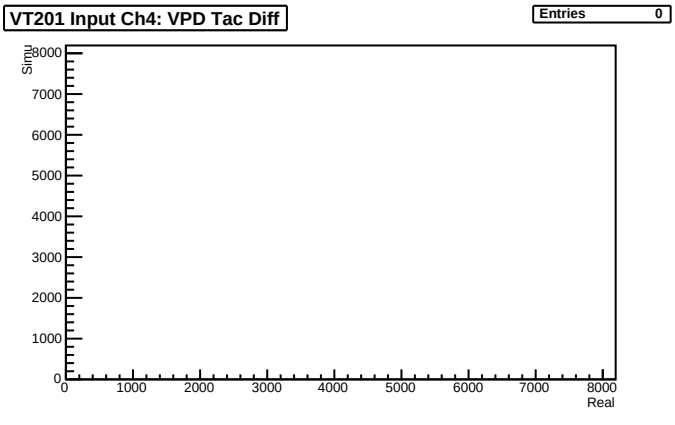

VT201 Input Ch2: ZDC Tac Diff
Entries 718015
Tac

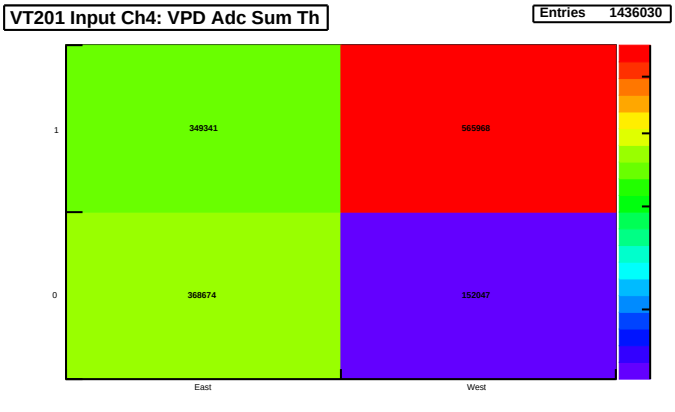

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

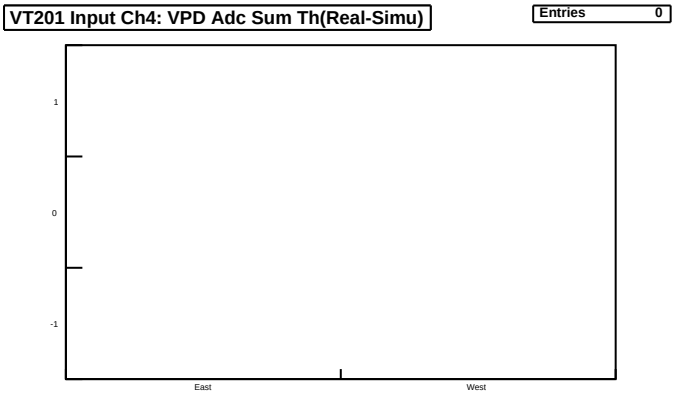

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5744120
15663
3770
23
17
13836
5503
85
74
702352
714245
717992
717998
704179
712512
717930
717941
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

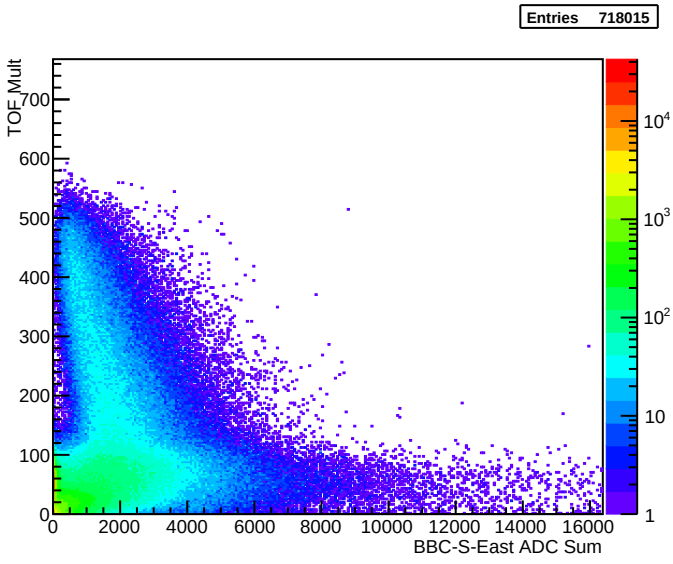

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

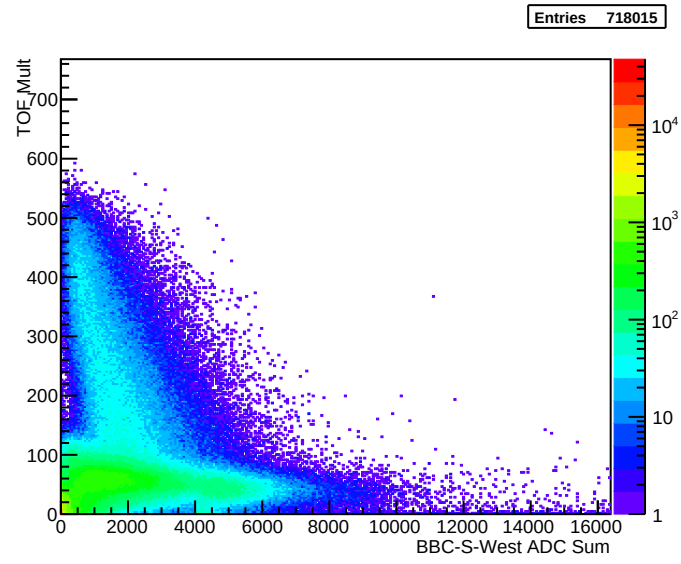

VT201 Input Ch4: VPD Tac Diff
Entries 718015
Tac

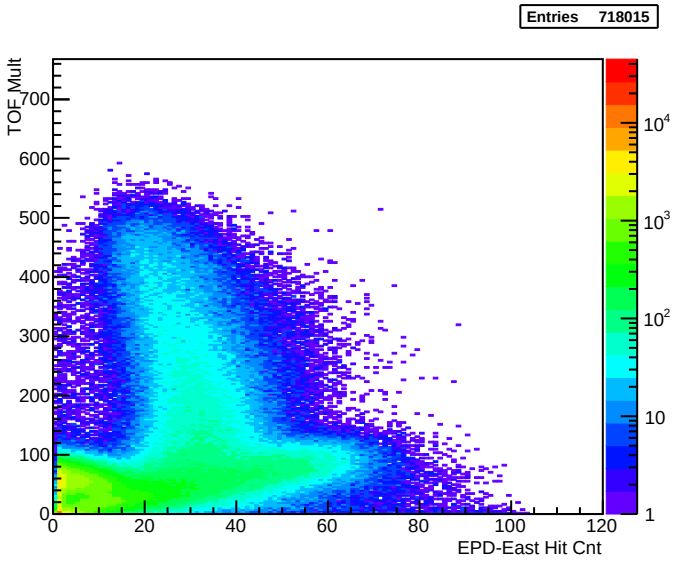

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

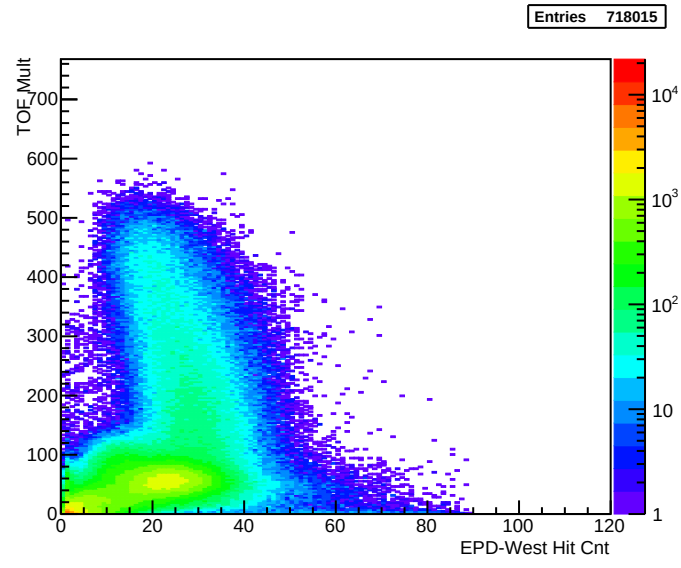

VT201 Input Ch4: VPD Adc Sum Th
Entries 1436030
349341
565968
368674
152047
East
West

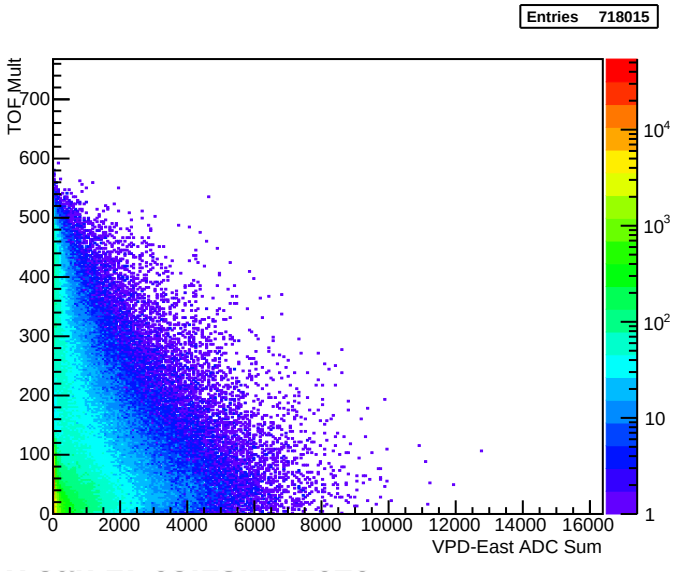

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

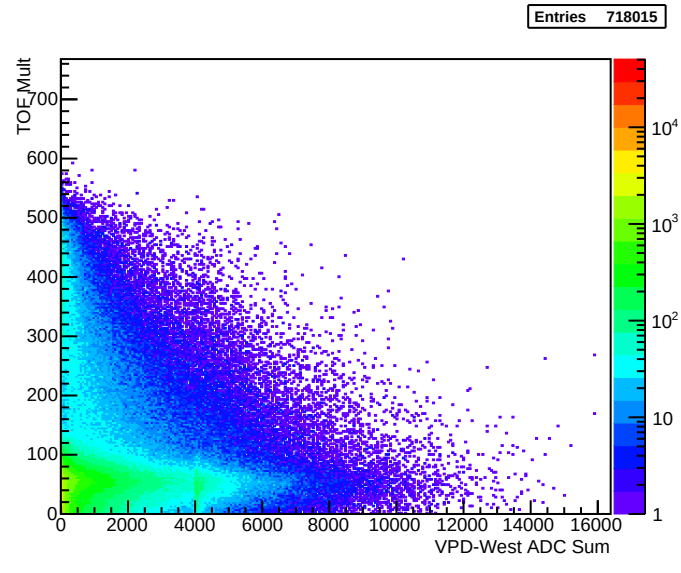

Entries 718015
TOF_Mult
BBC-S-East ADC Sum

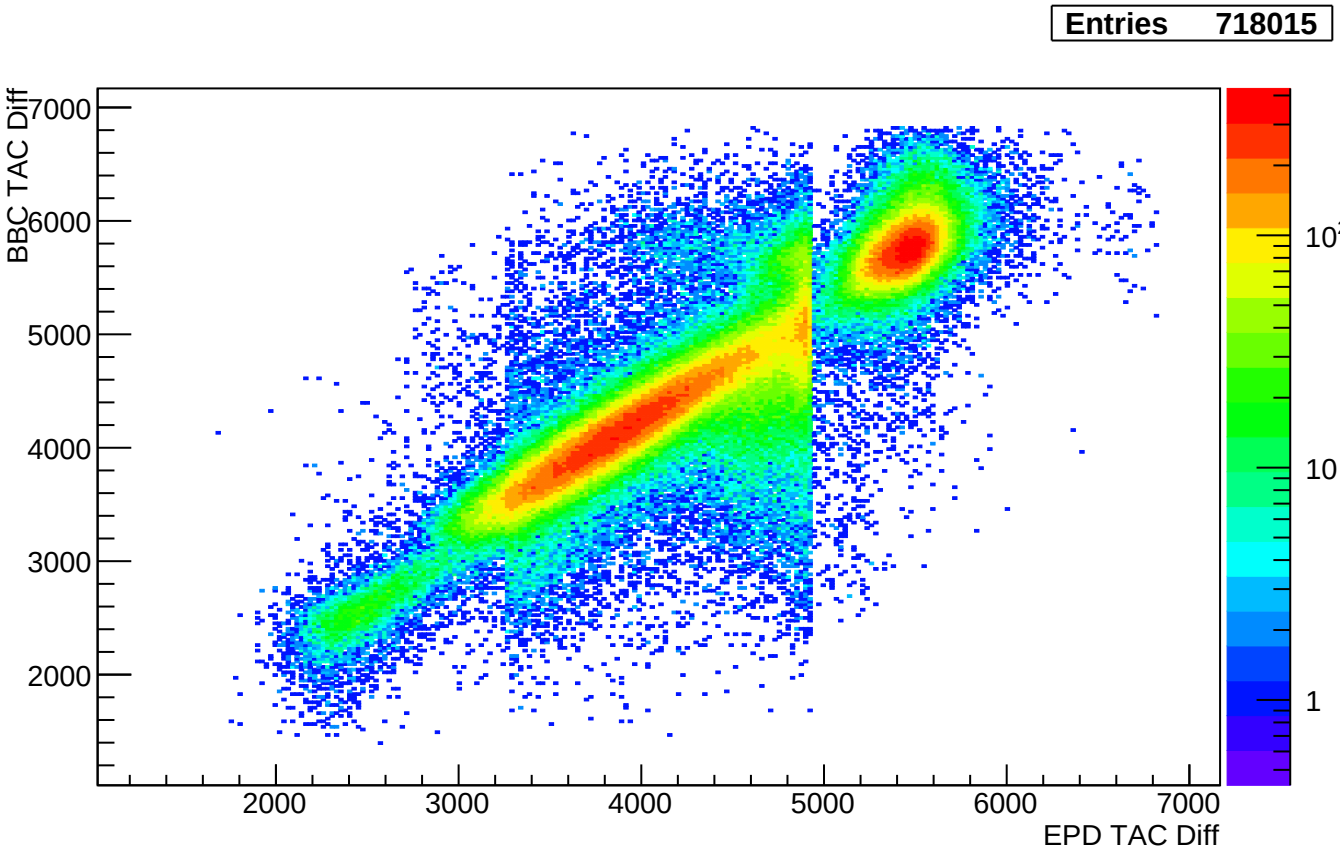

Entries 718015
TOF_Mult
BBC-S-West ADC Sum

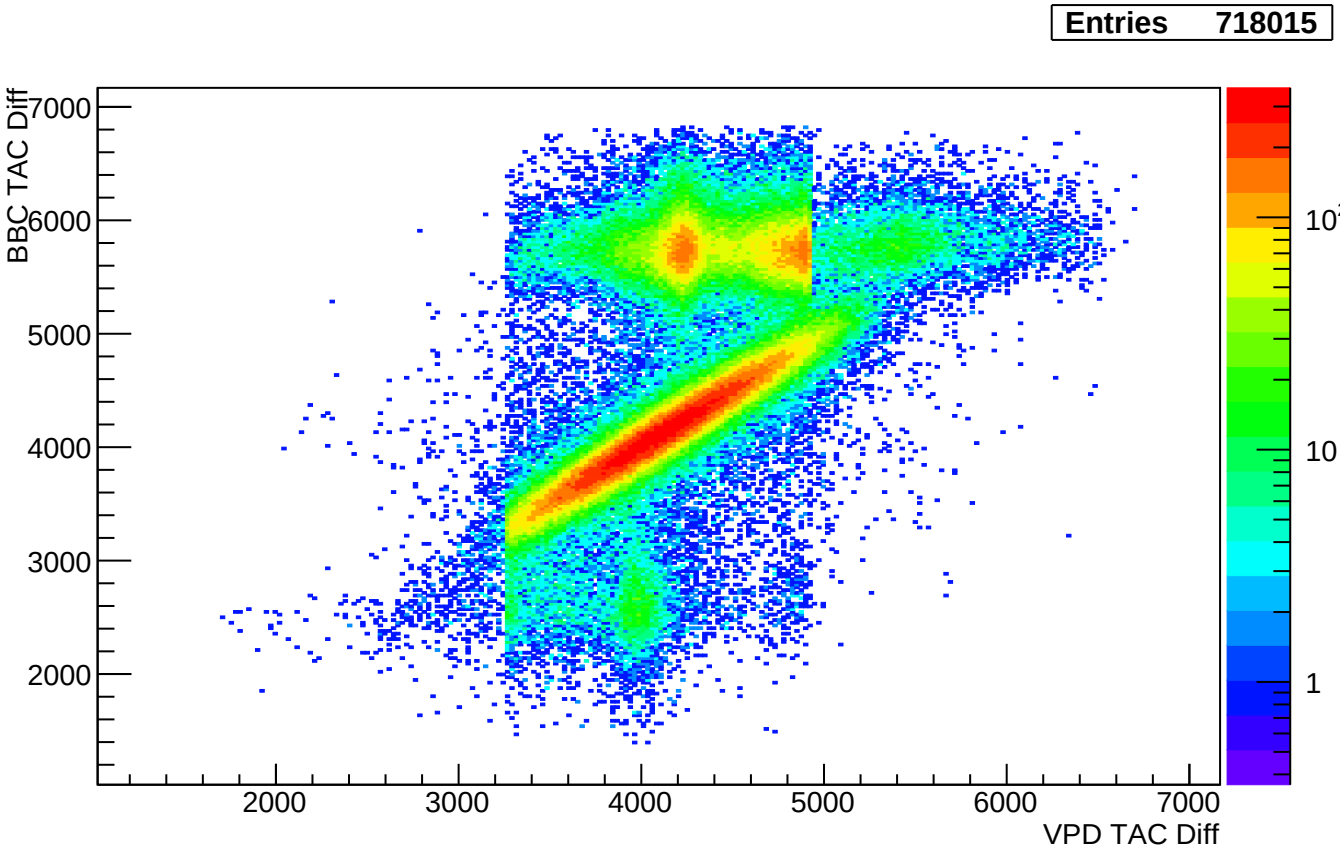

Entries 718015
TOF_Mult
EPD-East Hit Cnt

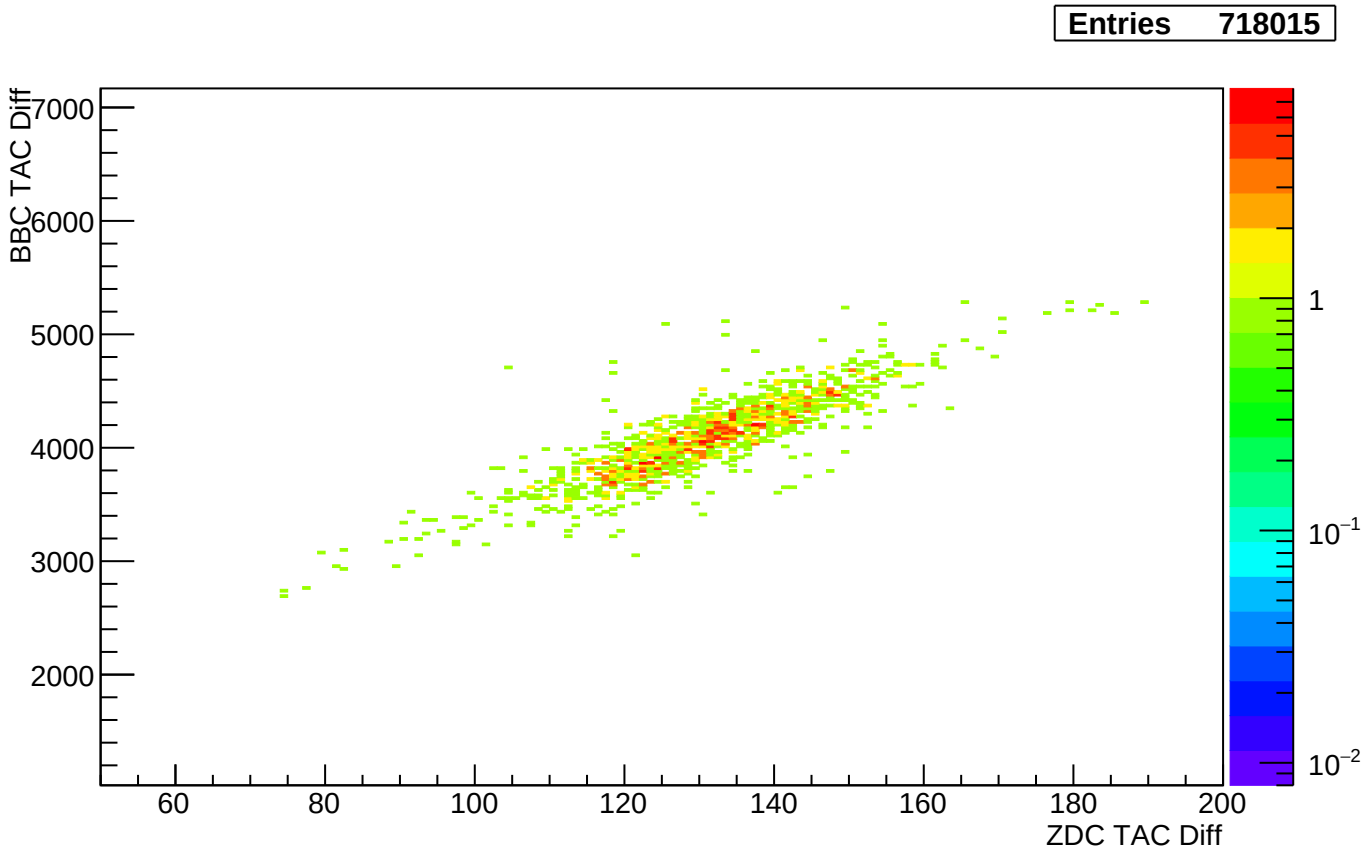

Entries 718015
TOF_Mult
EPD-West Hit Cnt

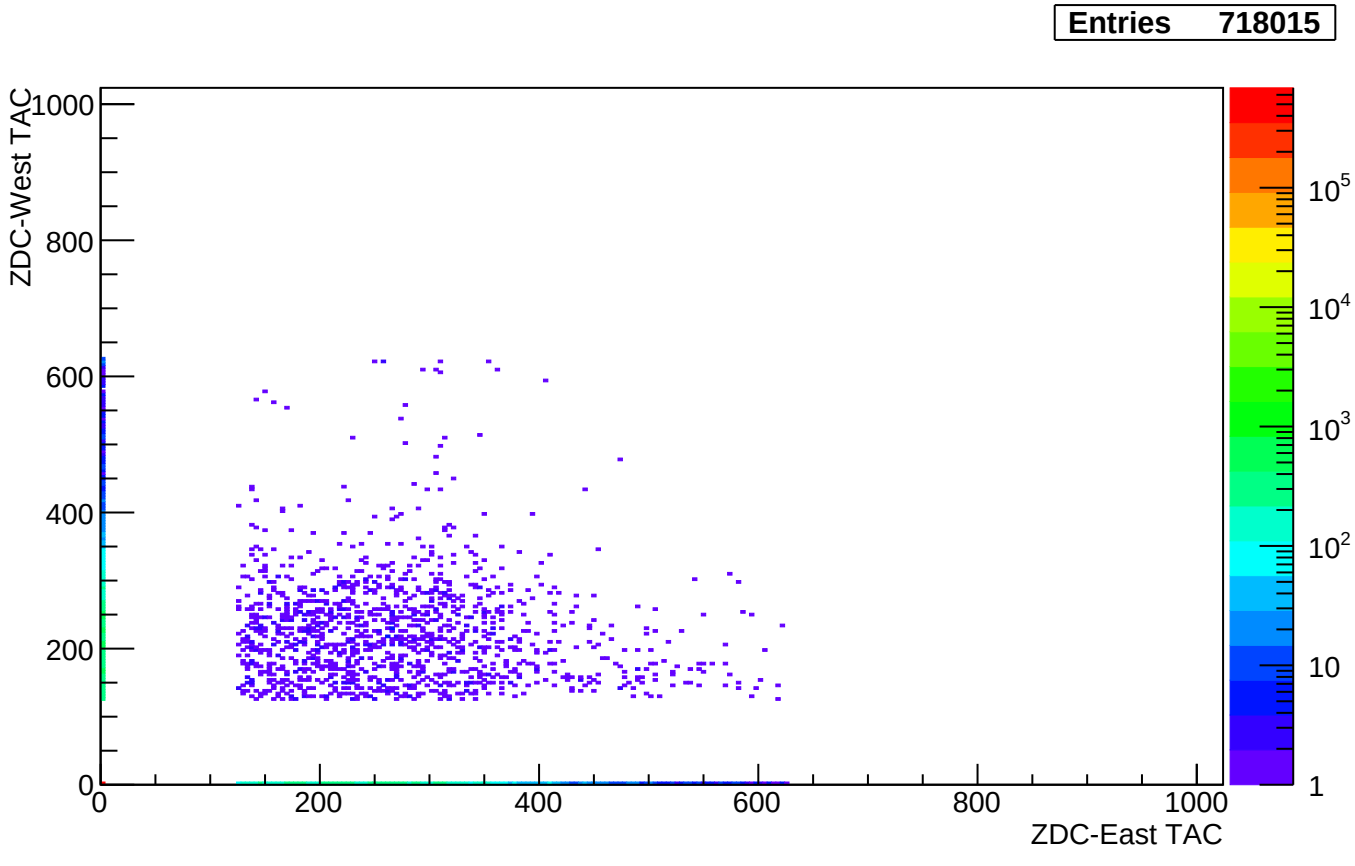

Entries 718015
TOF_Mult
VPD-East ADC Sum

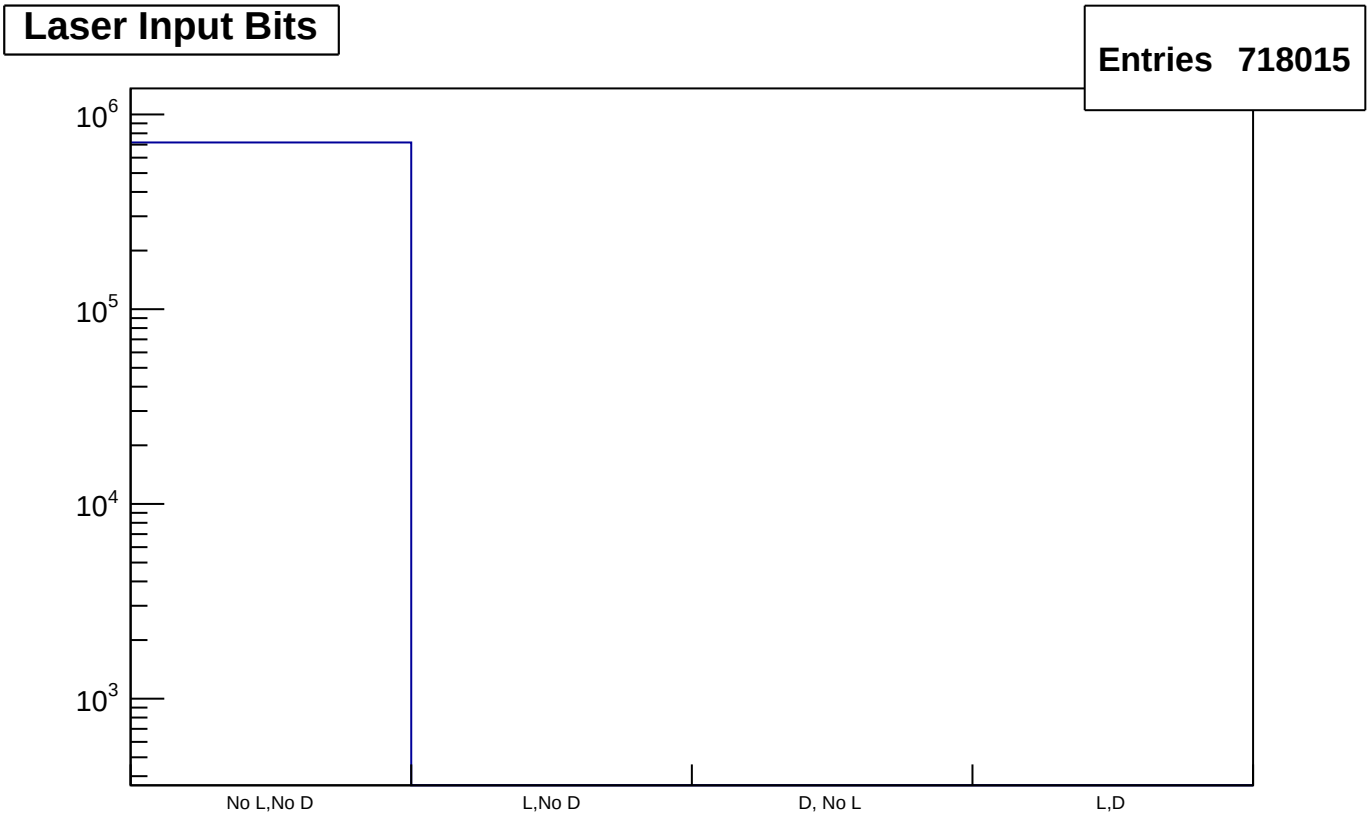

Entries 718015
TOF_Mult
VPD-West ADC Sum

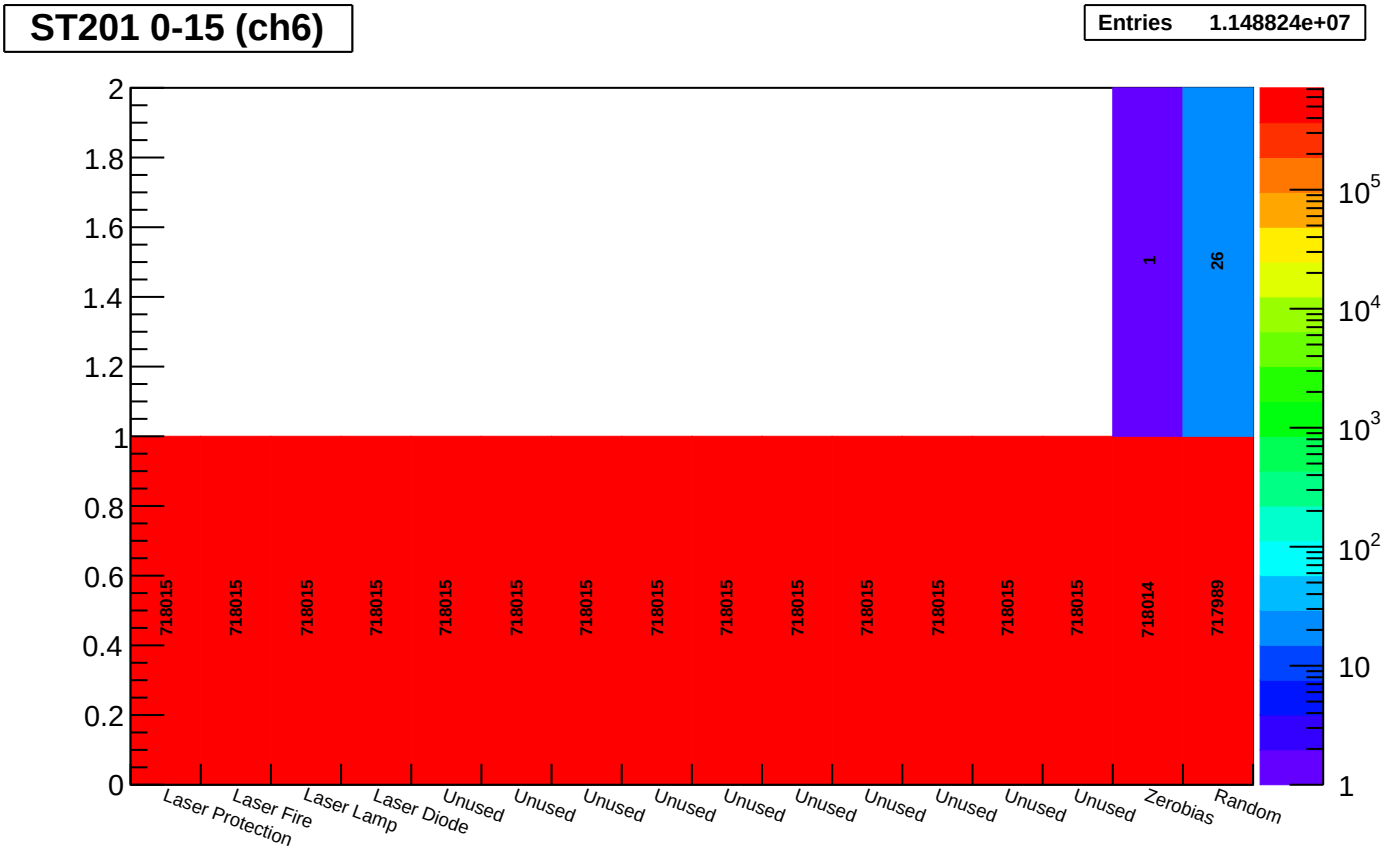

Entries 718015
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

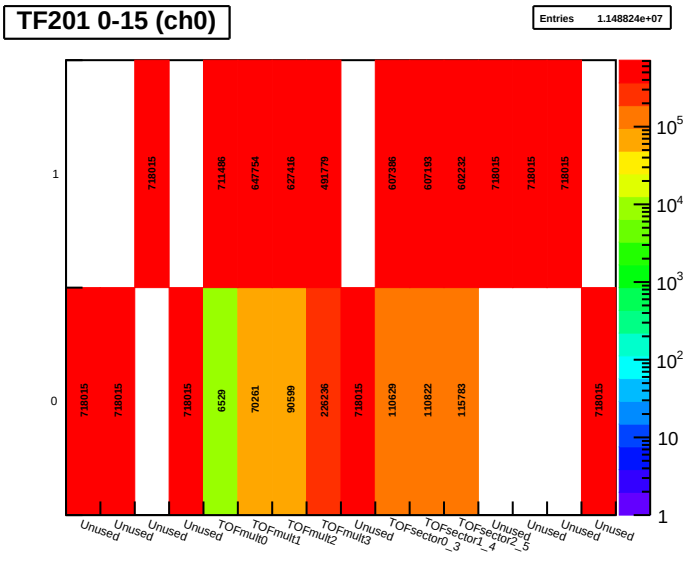

Entries 718015
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

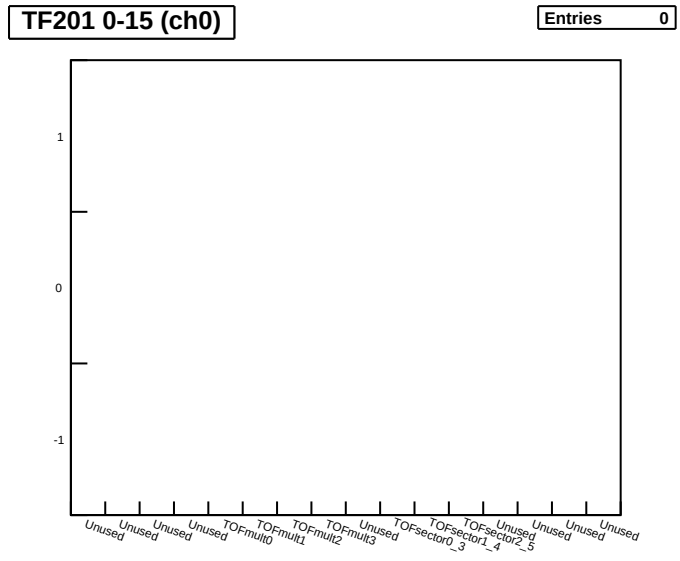

Entries 718015
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

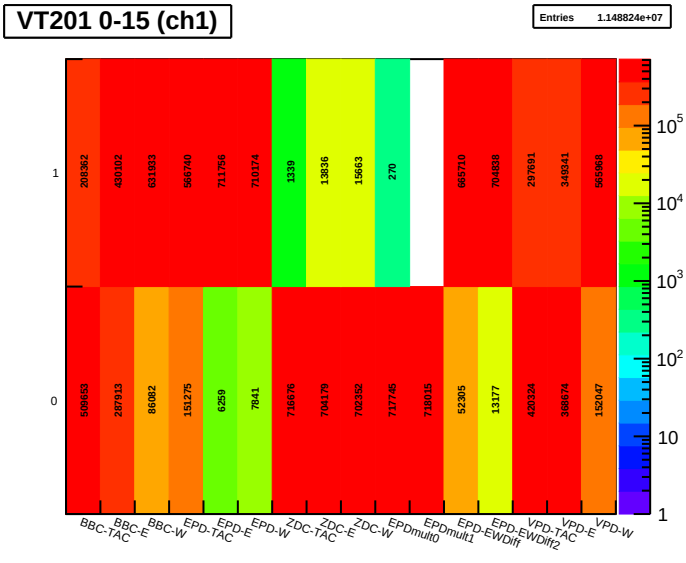

Entries 718015
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

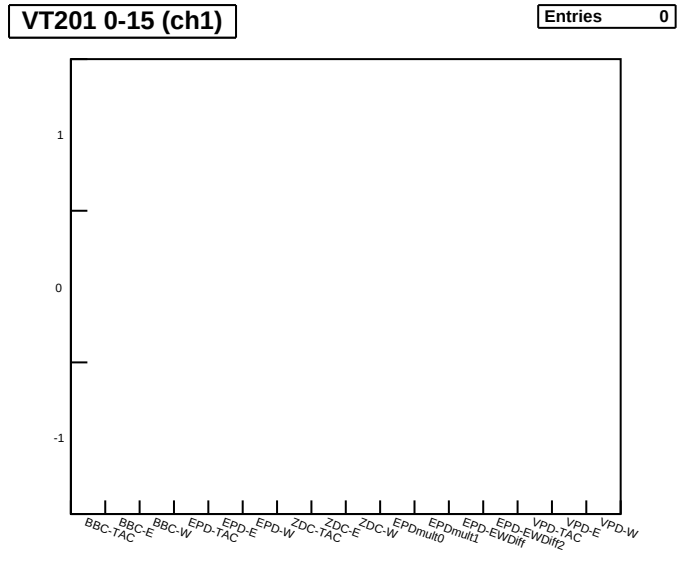

Laser Input Bits
Entries 718015
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

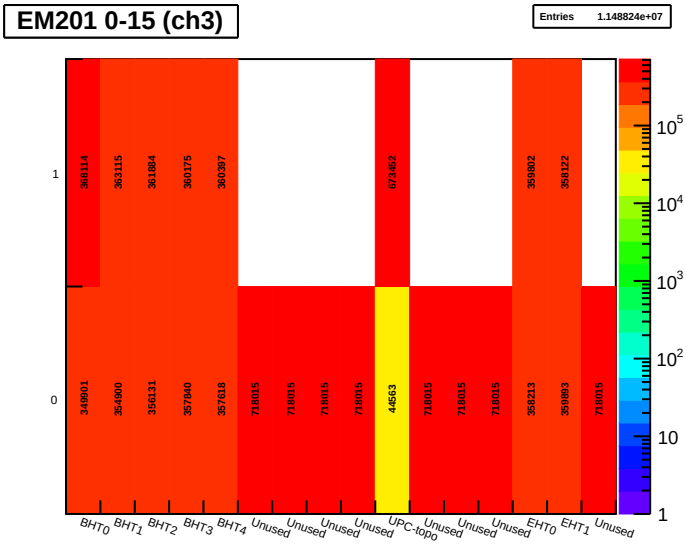

ST201 0-15 (ch6)
Entries 1.148824e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
718015
718015
718015
718015
718015
718015
718015
718015
718015
718015
718015
718015
718015
718014
717989
1
26
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

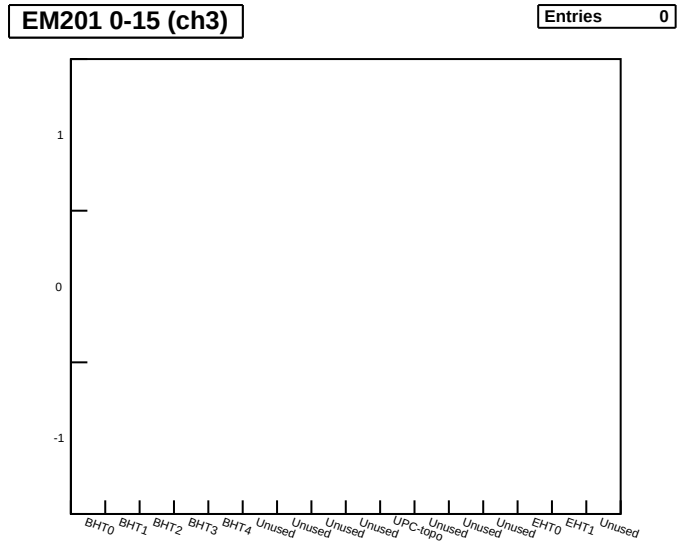

TF201 0-15 (ch0)
Entries 1.148824e+07
1
0
718015 711486 647754 627416 491179 607386 607193 602232 718015 718015 718015
718015 718015 718015 6529 70261 90599 226236 718015 110629 110822 115783 718015
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 1.148824e+07
1
0
208352 430102 631933 566740 711756 710174 1339 13836 15663 270 665710 704838 297691 348941 565968
509653 287913 86082 151275 6259 7841 715676 704179 702352 717745 718015 52305 13177 420324 388674 152047
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 1.148824e+07
1
0
368114 363115 361884 360175 360397 673452 359802 358122
349801 354900 356131 357840 357618 718015 718015 718015 718015 44563 718015 718015 718015 358213 359893 718015
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