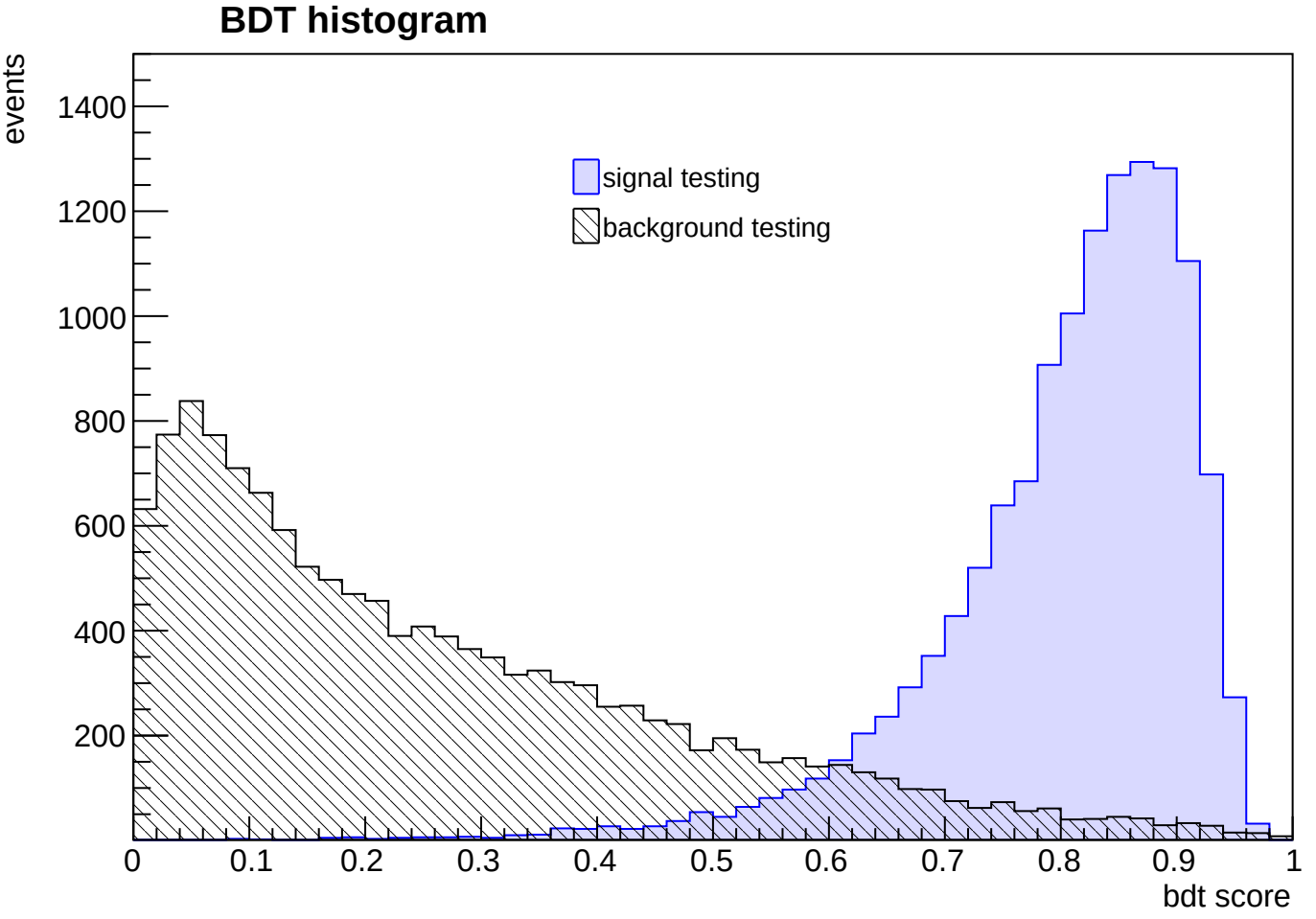
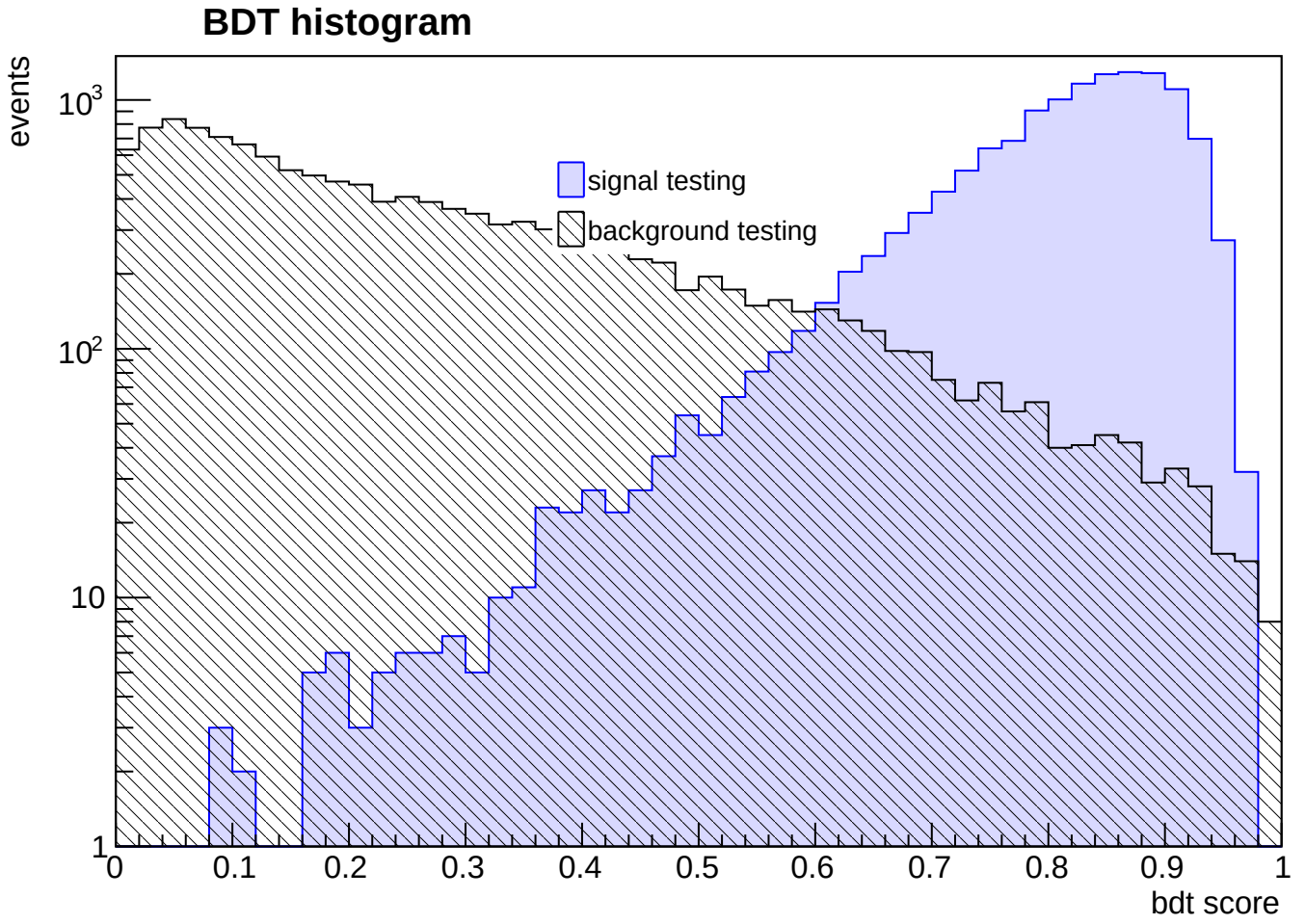
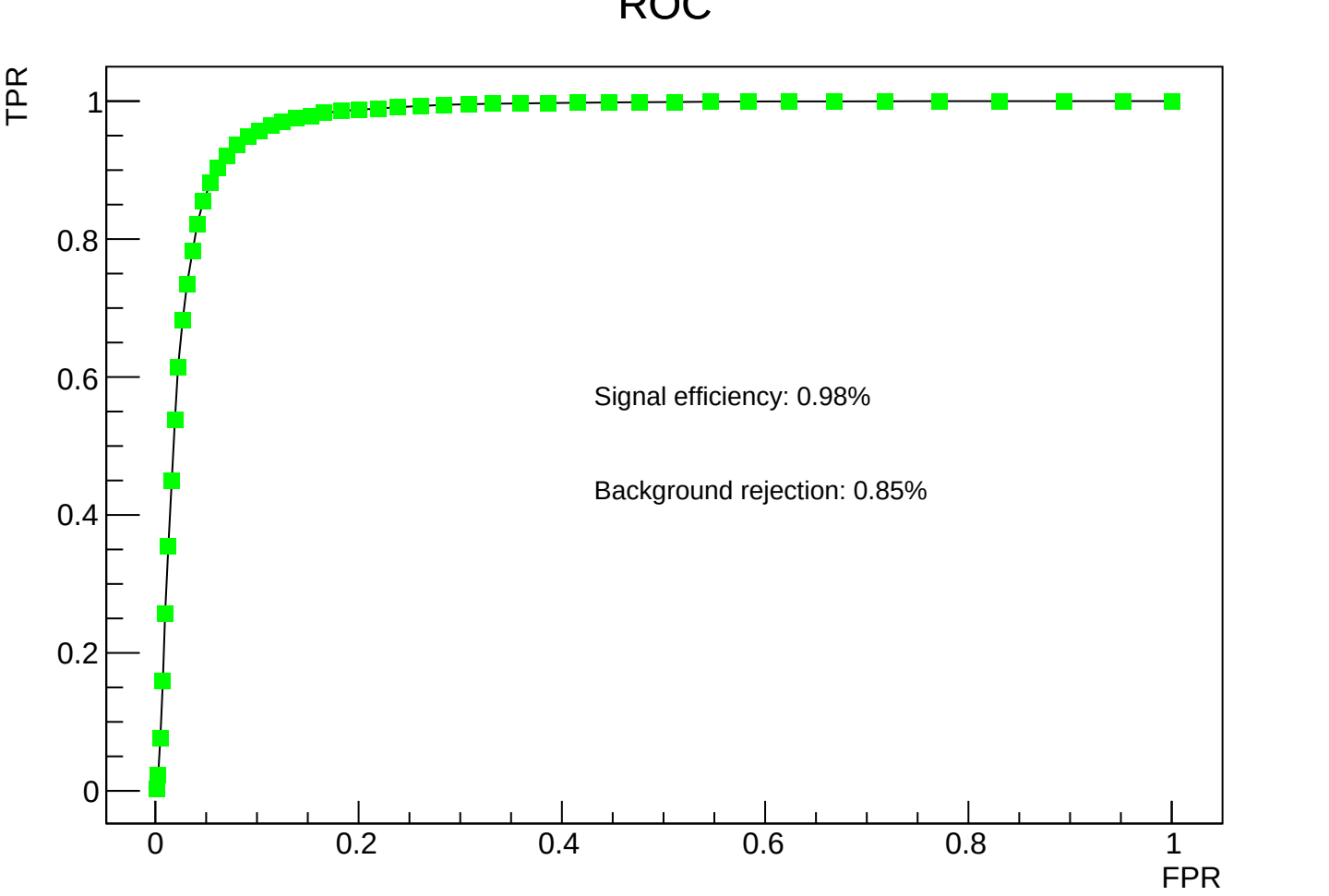
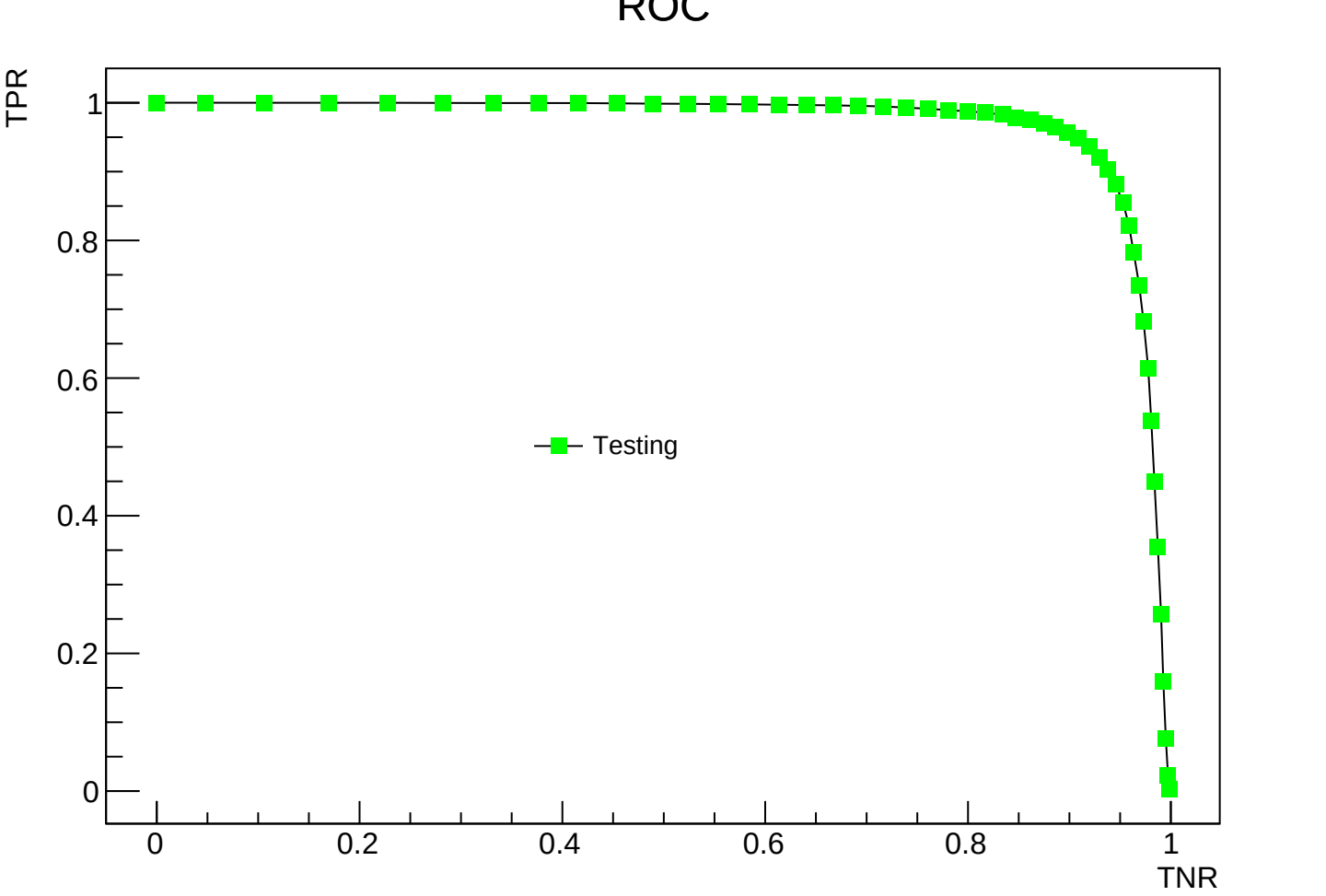

BDT histogram
events
1400
1200
1000
800
600
400
200
signal testing
background testing
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
bdt score


BDT histogram
events
10^3
10^2
10
1
signal testing
background testing
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
bdt score


ROC
TPR
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
FPR
Signal efficiency: 0.98%
Background rejection: 0.85%


ROC
TPR
1
0.8
0.6
0.4
0.2
0
Testing
0
0.2
0.4
0.6
0.8
1
TNR