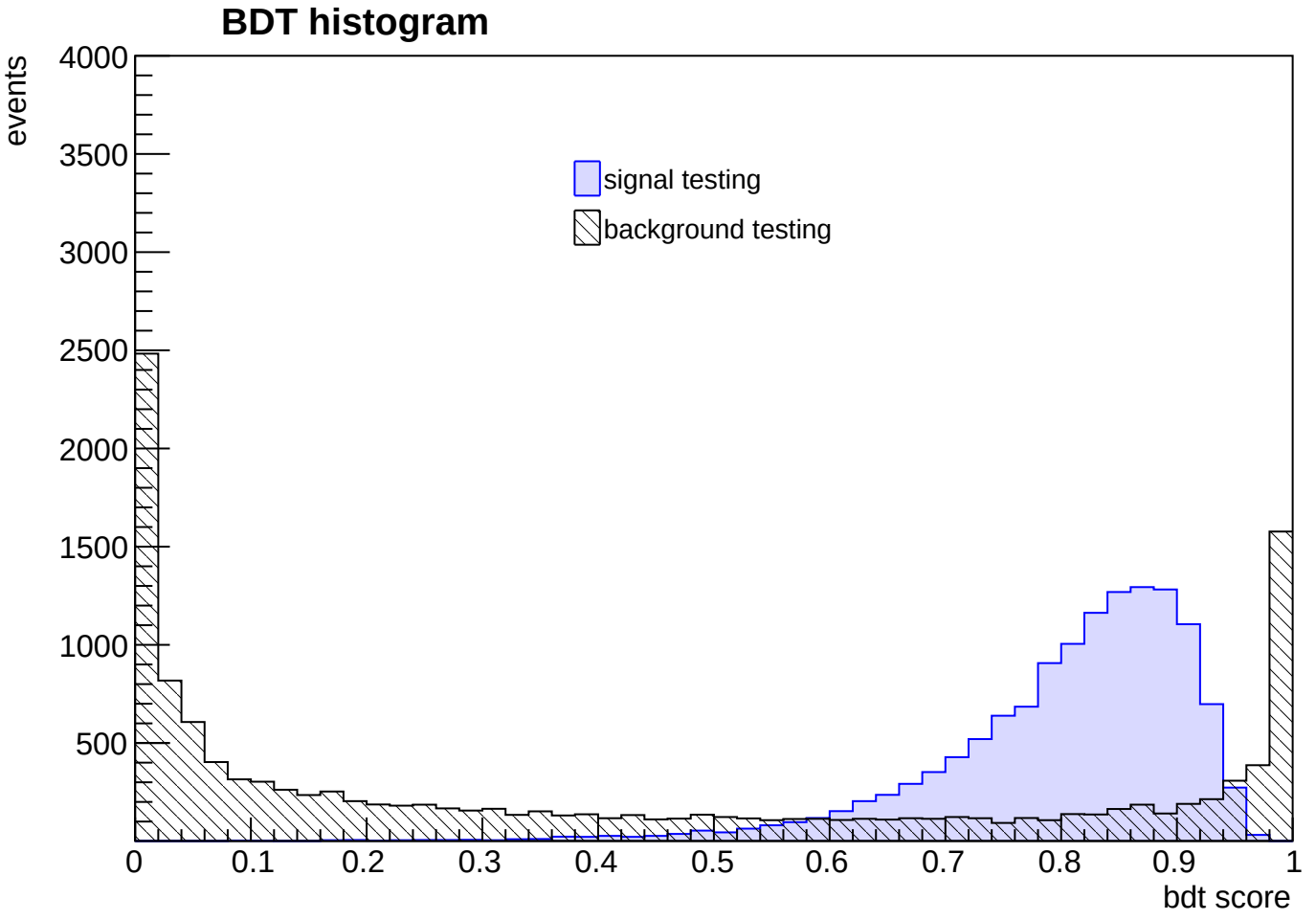
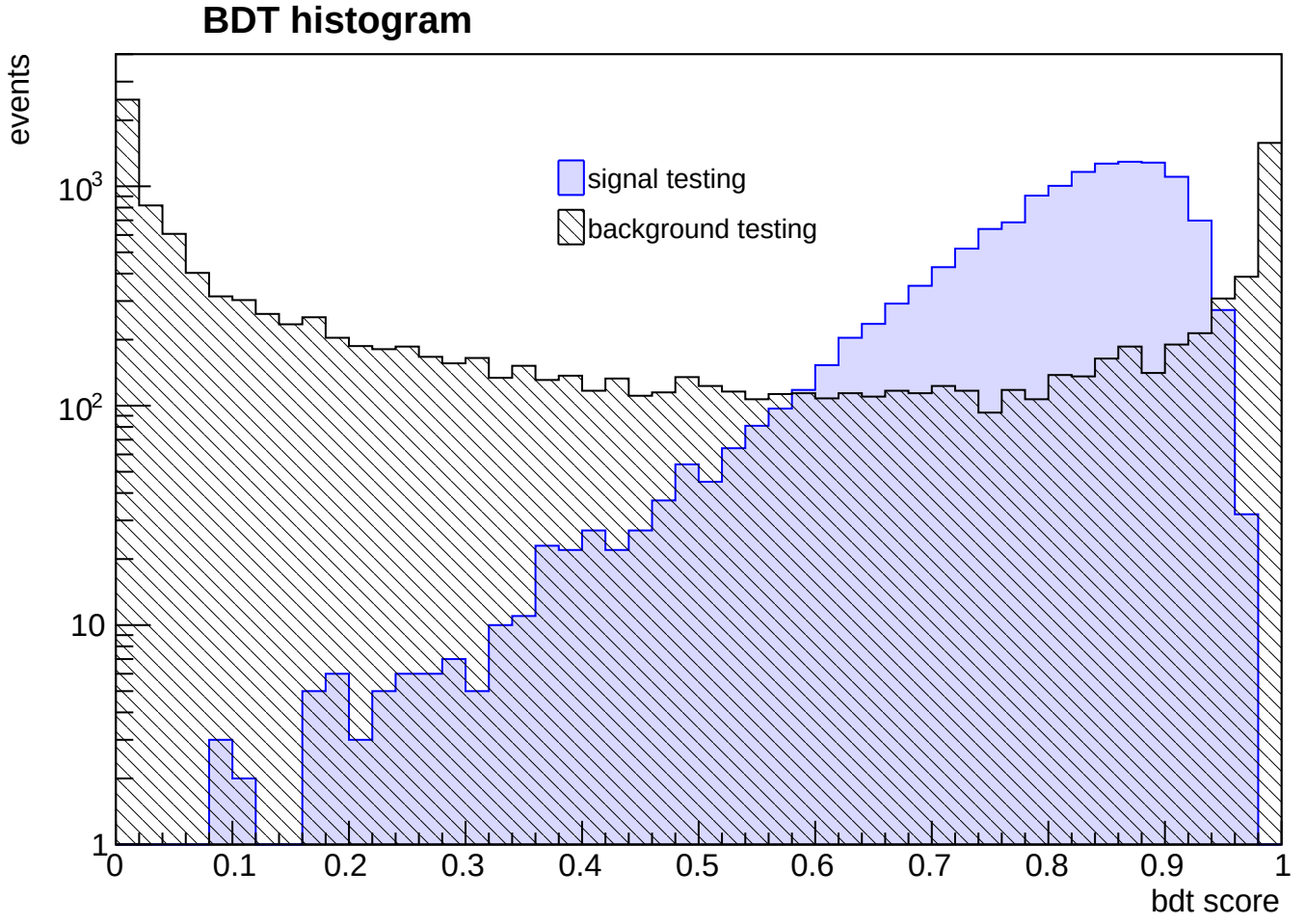
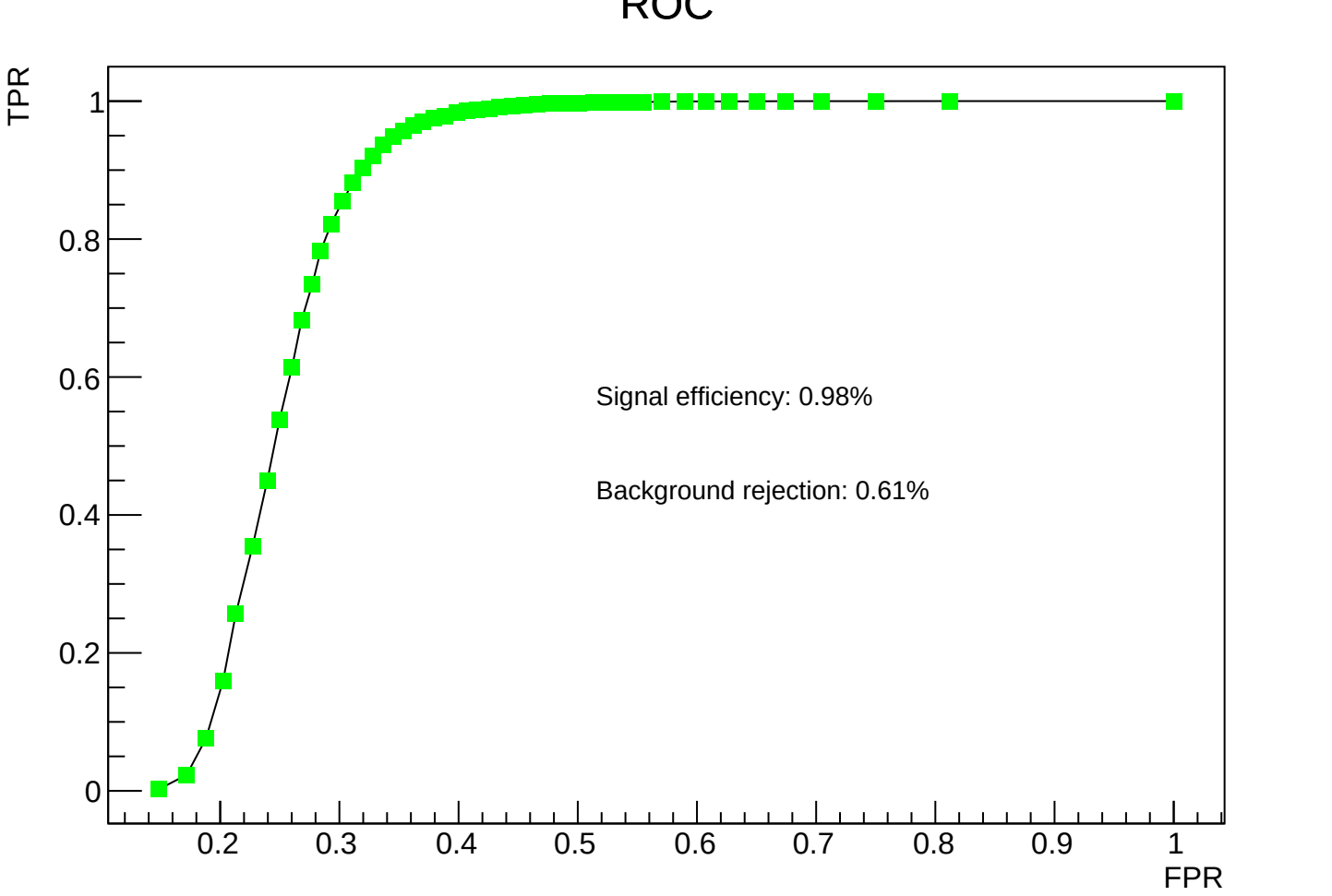
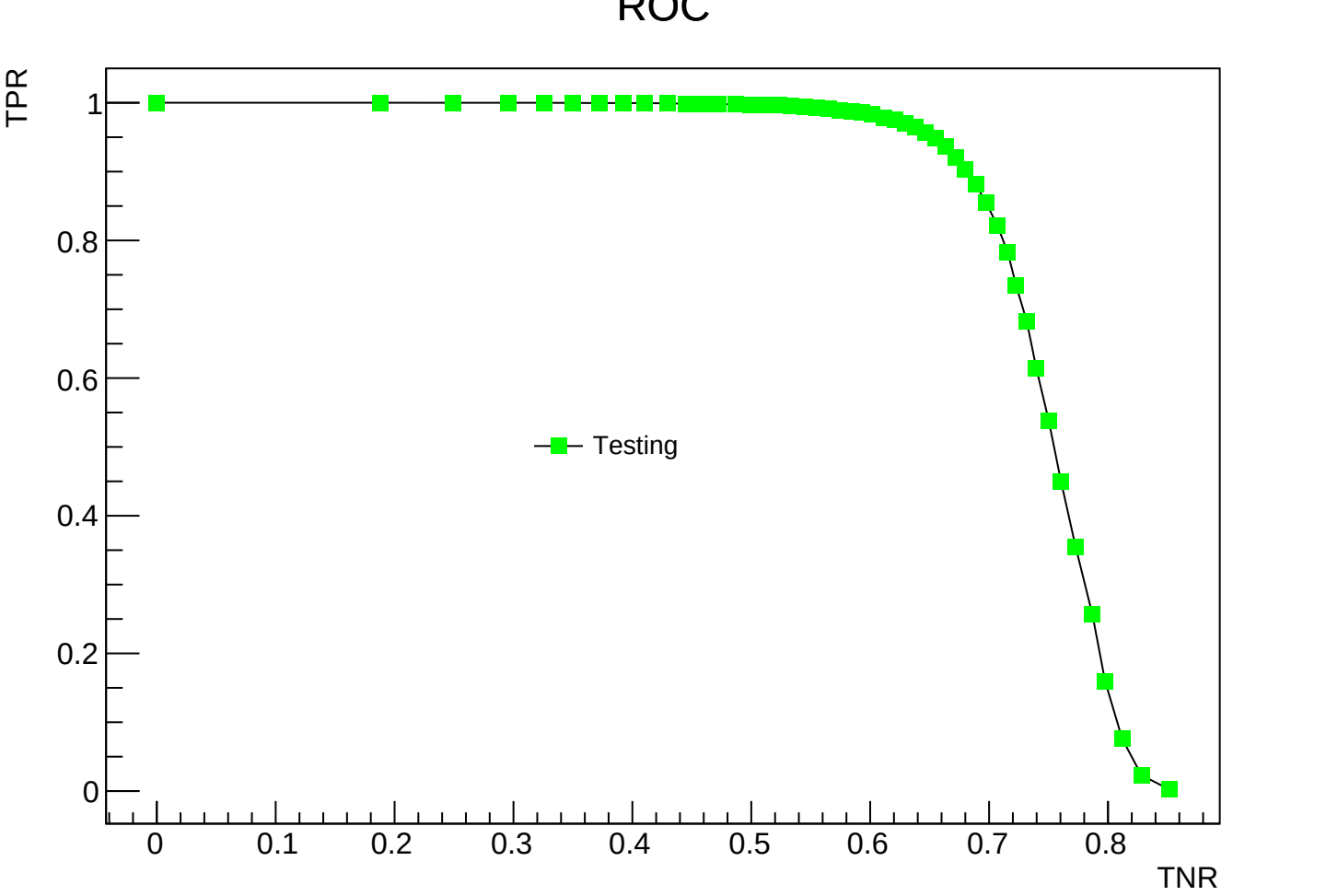

BDT histogram
events
4000
3500
3000
2500
2000
1500
1000
500
signal testing
background testing
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
bdt score


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
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
FPR
Signal efficiency: 0.98%
Background rejection: 0.61%


ROC
TPR
1
0.8
0.6
0.4
0.2
0
Testing
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
TNR