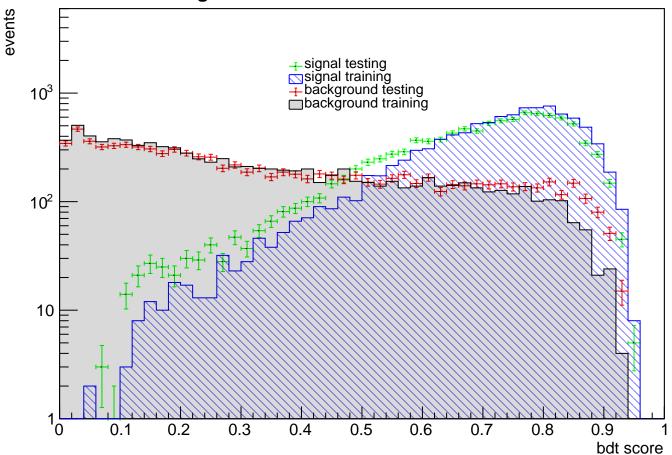
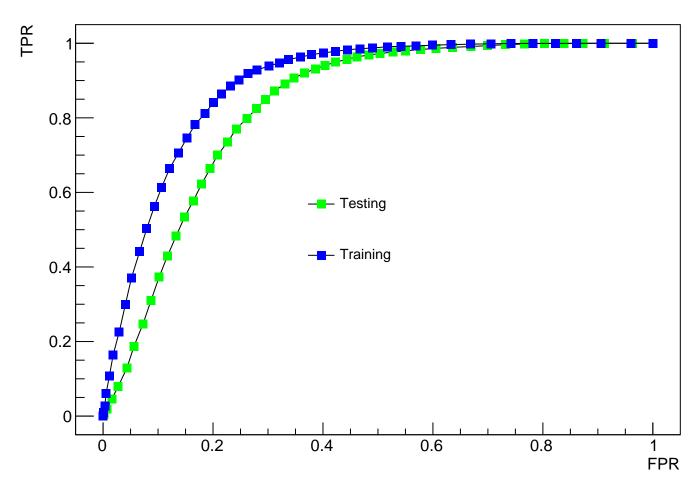
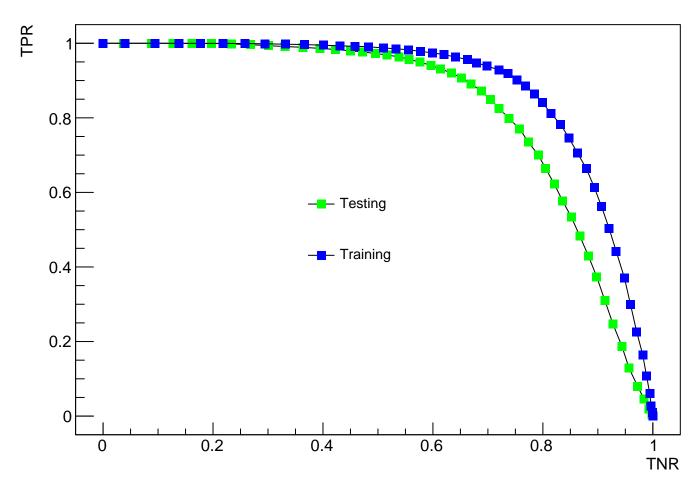
BDT histogram 6000 events → signal testing
□ signal training
→ background testing
□ background training 5000 4000 3000 2000 1000 0.1 0.2 0.3 0.4 0.5 0.6 0.7 8.0 0.9 bdt score **BDT** histogram



ROC



ROC



Training/Testing ratios Ratio 1.8 1.6 1.4 1.2 8.0 0.6 • signal 0.4 background 0.2 0, 0.2 0.3 0.1 0.4 0.5 0.6 0.7 8.0 0.9

bdt score