

Comparing plots for two instances of machine learning- weighted vs unweighted.
Signal-Spin0p
Background-Spin0m

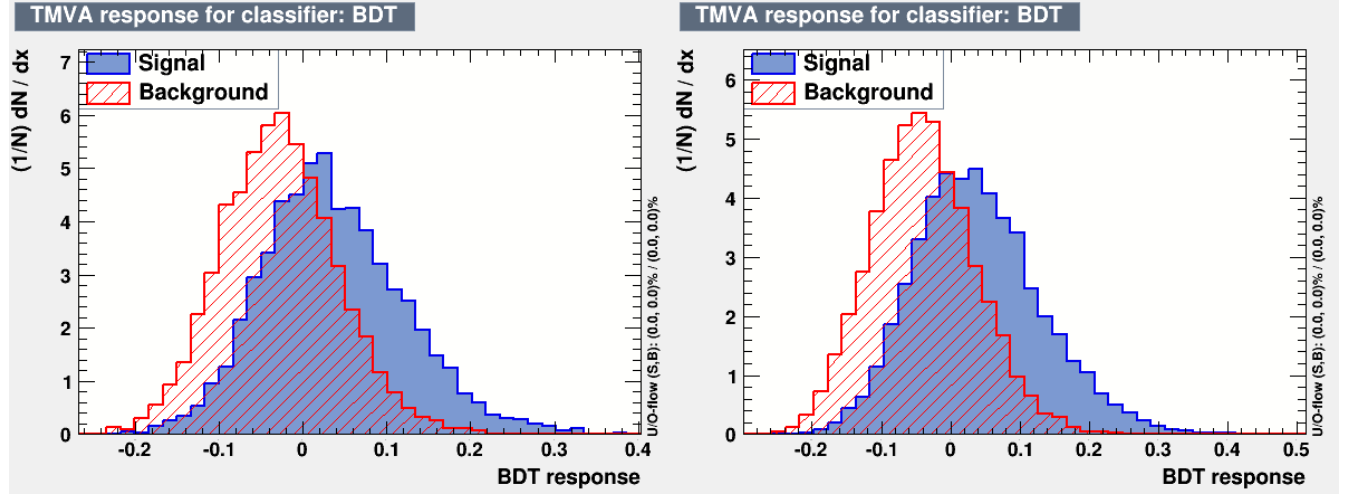


Figure 1: Plot for BDT (test sample) from unweighted TMVA analysis

Figure 2: Plot for BDT(test sample) from weighted TMVA analysis

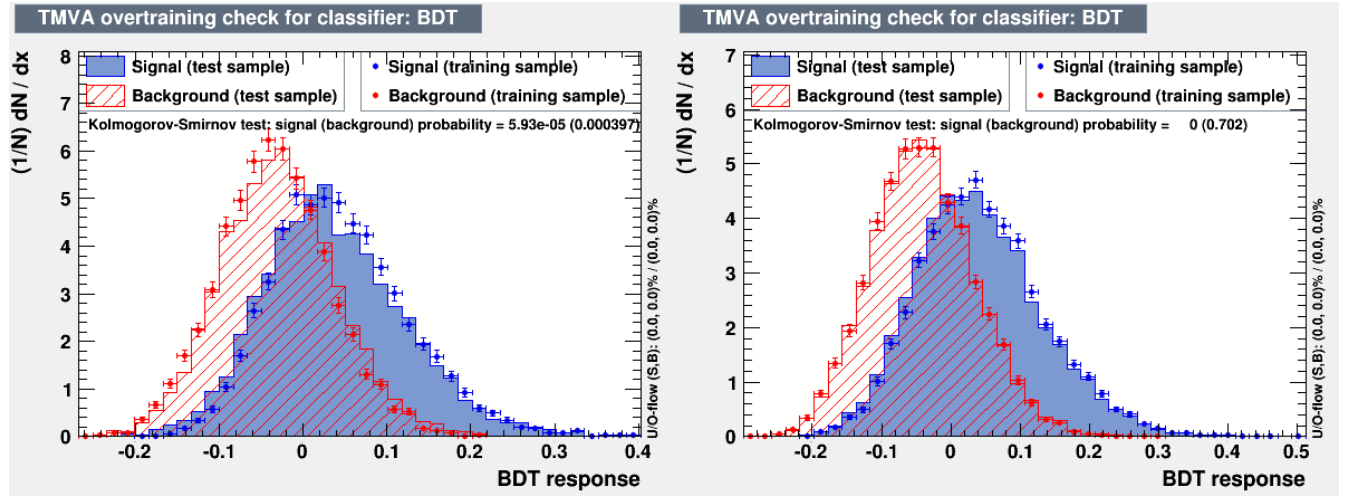


Figure 3: Plot for BDT(test and training) from unweighted TMVA analysis

Figure 4: Plot for BDT(test and training) from weighted TMVA analysis

Plots for Background rejection(Spin0m) vs Signal efficiency(Spin0p)

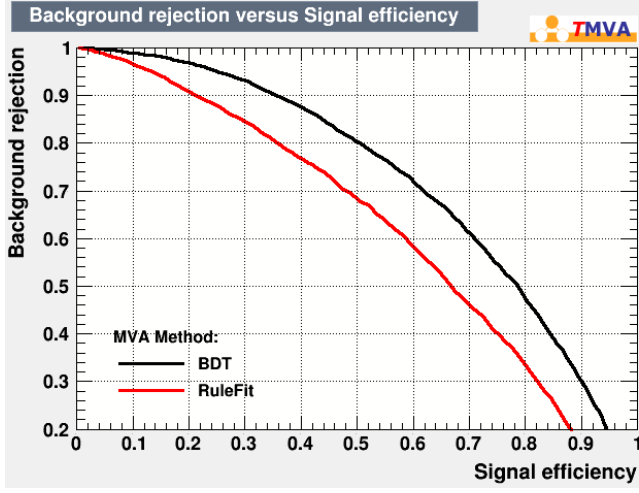


Figure 5: Background rejection vs signal efficiency curve for unweighted

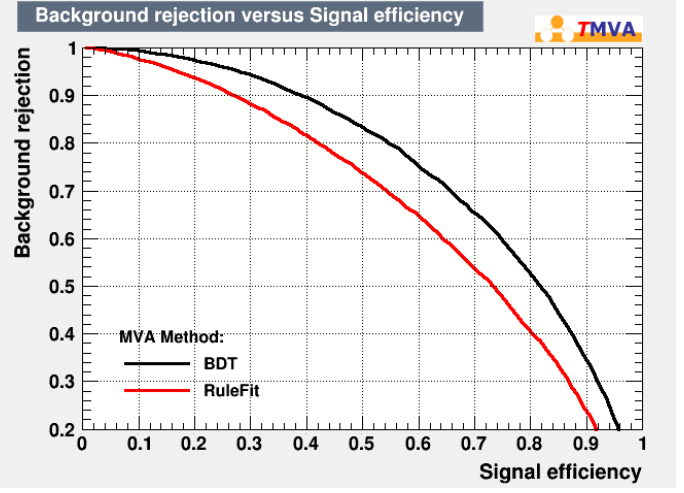


Figure 6: Background rejection vs signal efficiency curve for weighted