

# Weekly Report

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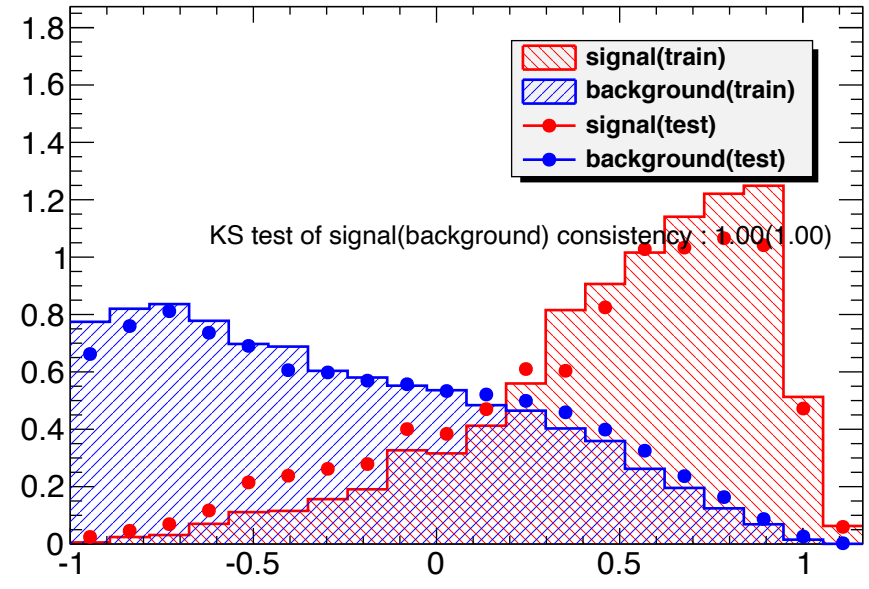
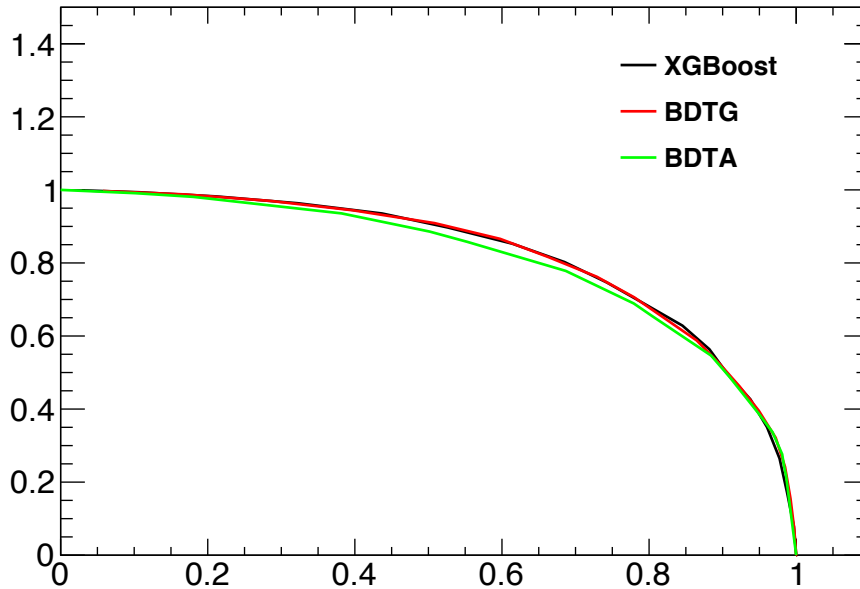
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# ML study

## Import

- signal 8482
- Bkg 281729
- test size vs train 1:1
- Variables :pt\_leadinglepton, MET, m\_ll, mindR\_l2j, mindR\_l1j, m\_l2j, m\_l1jj, m\_all, Mt\_nojets
- Methods:XGBoost, BDTG, BDTA

# ROC and overtraining check



- Not significance can obtained from XGBoost
- Similar conclusion can observed from TMVA(RXGB and BDTG)