

Machine Learning Techniques for Labeling Resonance vs Spectator Top Quarks

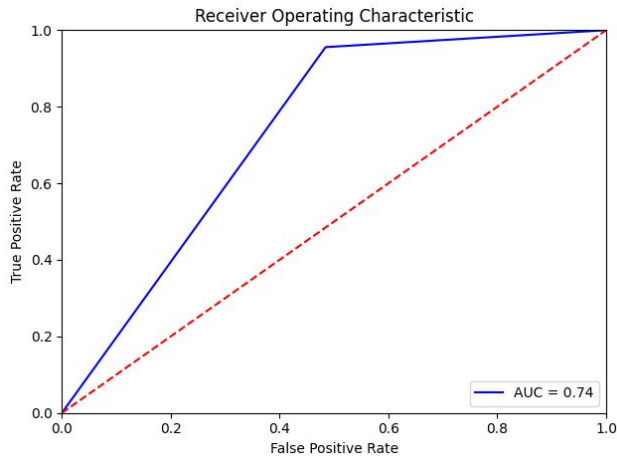


Three Techniques So far

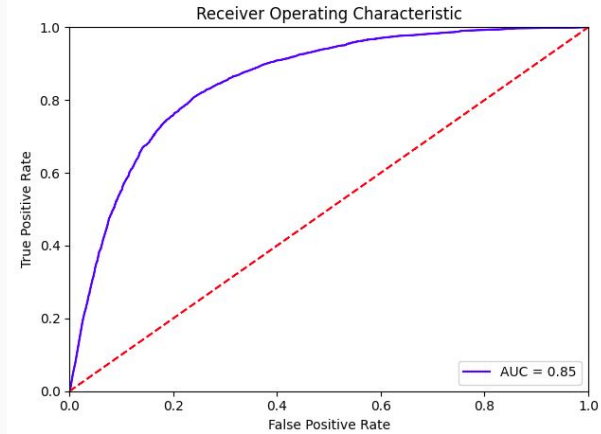
- Cuts decided by humans
- Nearest Neighbors
- Boosted Decision Trees

Techniques with Base Parameters

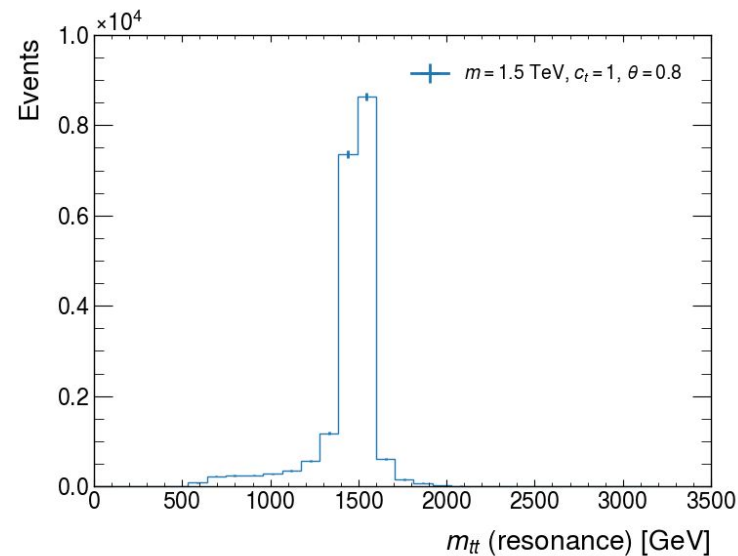
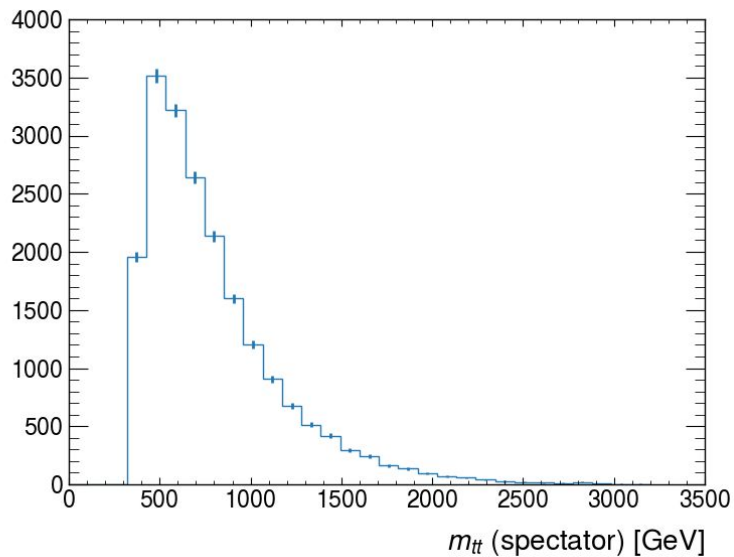
Simple Cuts



KNN and BDT

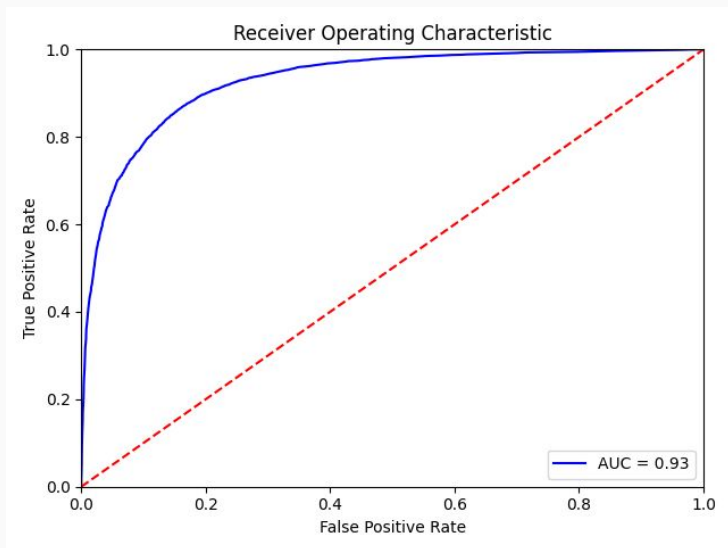


Invariant Mass Plots



KNN and BDT with Invariant Mass

KNN



BDT

