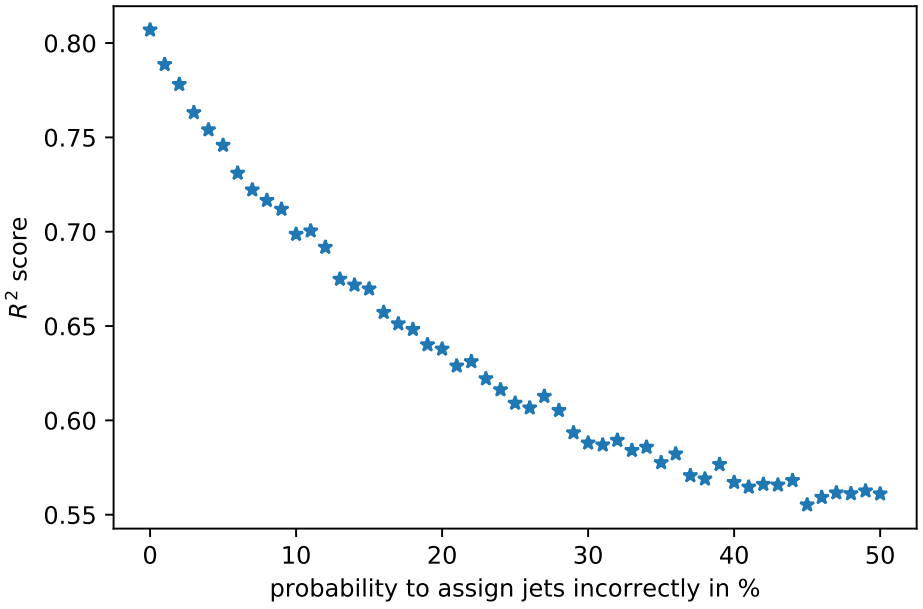
nanoAOD

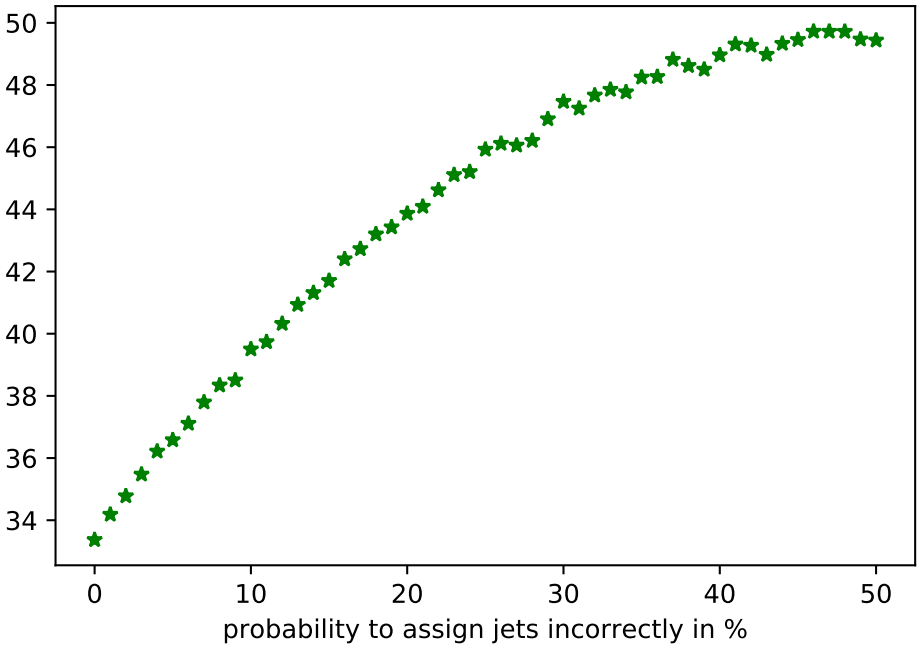
- Using nanoAOD now
- Require exactly one -5 and one 5 in Jet_partonFlavour
- Sort jets by partonFlavour
- Performance as before/actually a bit better
- But a lot of information from the simulation used

Mixing jets

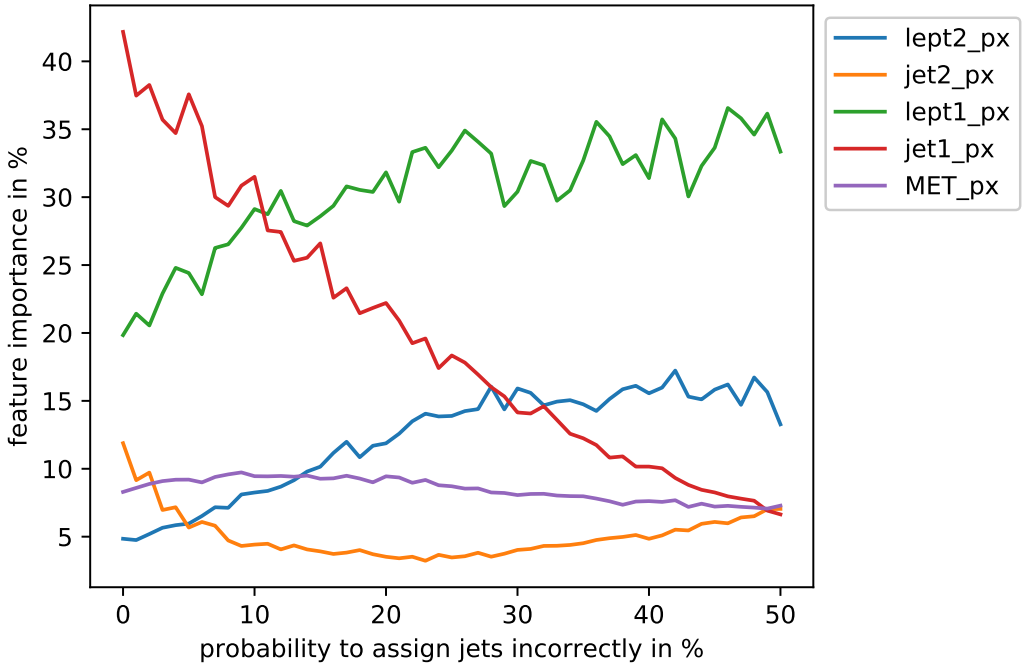
- After sorting jets, exchange them with some probability $0 <= p <= 0.5$
- Evaluate performance in dependence of p
- (opitimize hyper parameters for each p)

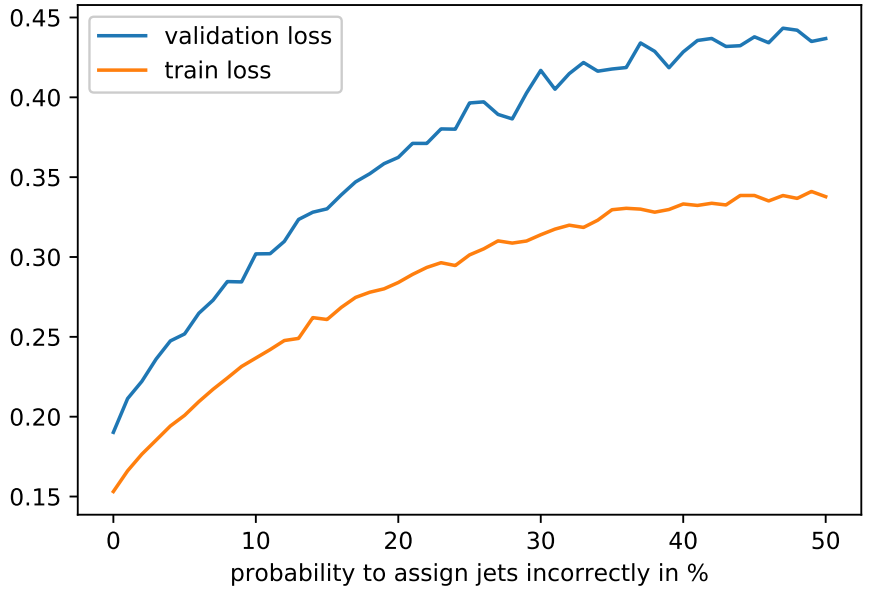
Performance in dependence of p: px



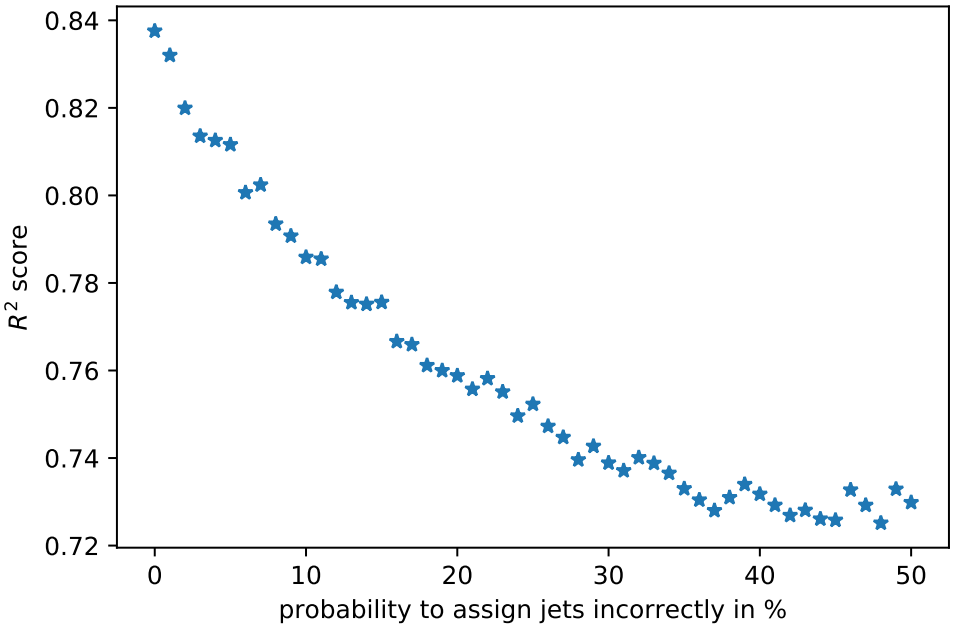


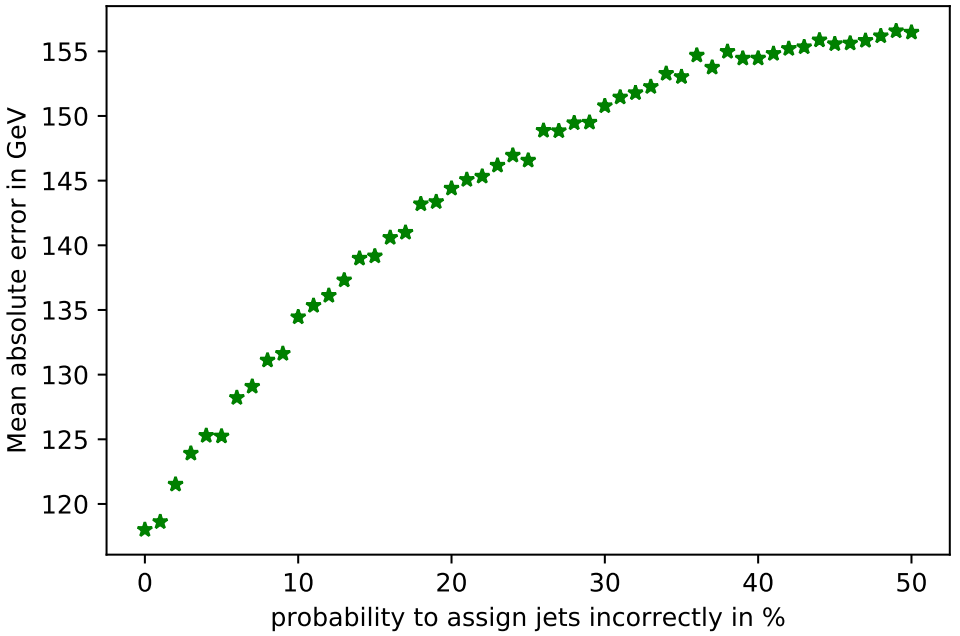
Featureimportance and training: px



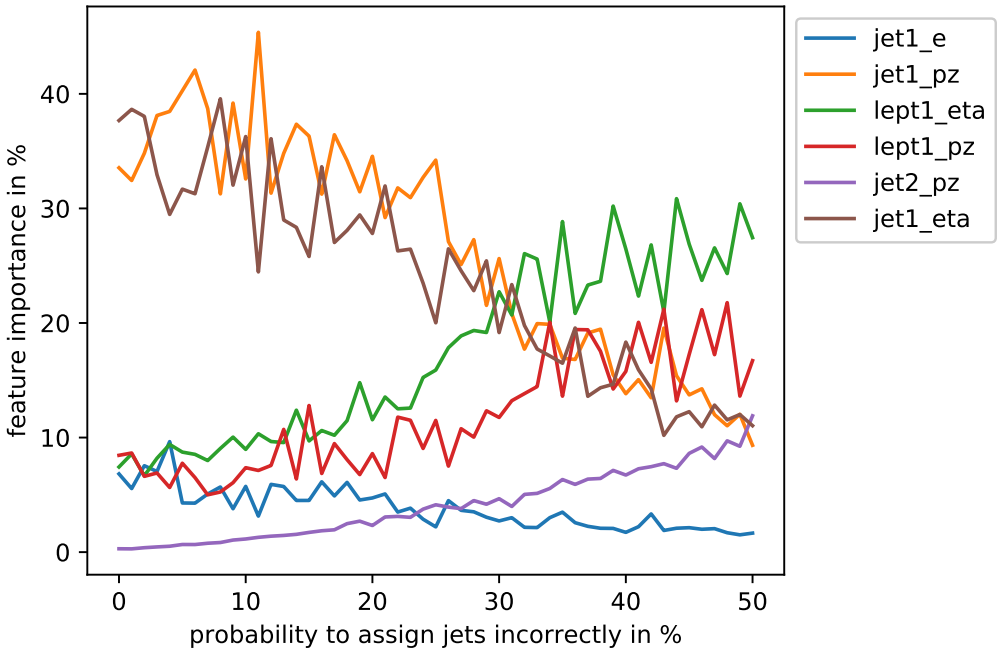


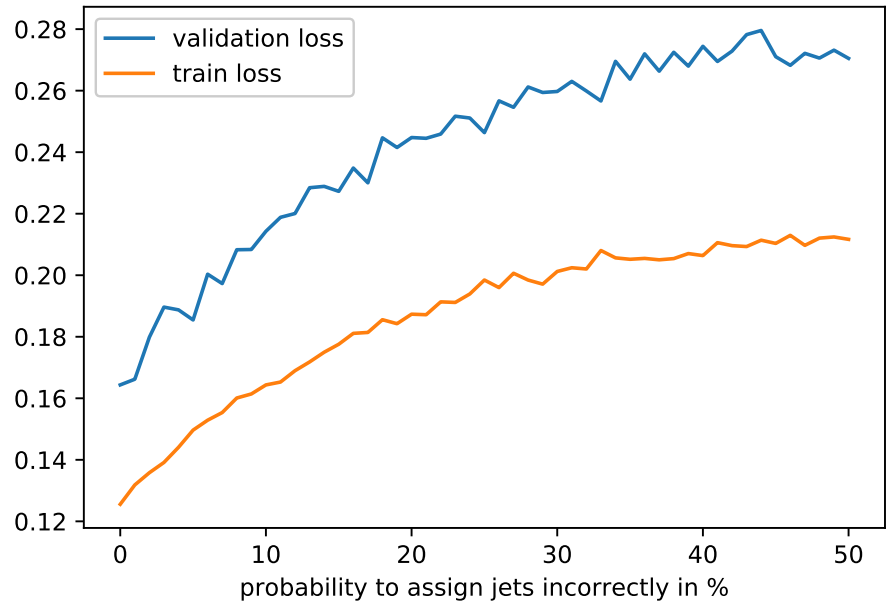
Performance in dependence of p: pz





Featureimportance and training: pz





Including eta or not?

- Including eta makes no significant difference except when looking at the maximal error