

# Enhancing detectability of tri-lepton signatures of Tau-Sneutrino NLSP using machine learning

*Friday, January 5, 2018 8:45 PM (5 minutes)*

I would like to present my master thesis project, where I study the phenomenology of a supersymmetric model with sneutrino as the NLSP. I look at the tri-lepton signature, two hadronic taus and one lepton (electron or muon), which in my model comes mostly from slepton-sneutrino production. The aim is to improve detectability of this signal using machine learning instead of traditional cut-and-count methods.

## Summary

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