



Contribution ID: 4

Type: **not specified**

## Resonant Di-Higgs Production at Gravitational Wave Benchmarks: A Collider Study using Machine Learning

*Saturday 13 October 2018 10:25 (20 minutes)*

I will talk about our recent work on a new study of the resonant di-Higgs production using machine-learning techniques for collider analysis and focusing on benchmarks which can generate detectable gravitational wave signals from electroweak phase transition at space-based interferometer gravitational wave detectors.(paper link <https://arxiv.org/abs/1808.08974>)

**Author:** GUO, Huaike (Institute of Theoretical Physics, Chinese Academy of Sciences)

**Presenter:** GUO, Huaike (Institute of Theoretical Physics, Chinese Academy of Sciences)

**Session Classification:** Higgs Physics I