

## **Big Data and Machine Learning in String Phenomenology: An Overview**

*Thursday, 24 May 2018 09:00 (1 hour)*

Recently, machine learning techniques have entered the field of string phenomenology, for example, in order to identify promising string models in the vast landscape of string theory vacua. We review different approaches and techniques, like 'Autoencoders', 'Reinforcement Learning' and 'Generative Adversarial Networks' and apply them to several physical questions.

**Presenter:** Mr VAUDREVANGE, Patrick (TU München)

**Session Classification:** Review Talk