Contribution ID: 272 Type: Parallel

## **Machine Learning for New Physics Searches**

Saturday, 2 June 2018 17:50 (20 minutes)

After an introduction to machine learning from the perspective of a theoretical physicist, I will describe a new method to perform a model independent search for new phenomena, with an emphasis on the LHC. I will discuss a systematic way to address the look-elsewhere effect and other issues that led similar attempts to fail in the past.

## E-mail

dagnolo@slac.stanford.edu

**Primary author:** Dr D'AGNOLO, Raffaele Tito (SLAC)

**Presenter:** Dr D'AGNOLO, Raffaele Tito (SLAC)

Session Classification: Physics at High Energies

Track Classification: PHE