CIPANP 2018 - Thirteenth Conference on the Intersections of Particle and Nuclear Physics

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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.

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