Tools for High Energy Physics and Cosmology



Contribution ID: 35 Type: not specified

Generative Networks for LHC events

LHC physics crucially relies on our ability to simulate events efficiently from first principles. Modern machine learning, specifically generative networks, will help us tackle simulation challenges for the coming LHC runs. Such networks can be employed within established simulation tools or as part of a new framework. Since neural networks can be inverted, they also open new avenues in LHC analyses.

Primary author: BUTTER, Anja

Presenter: BUTTER, Anja

Session Classification: Collider

Track Classification: Higgs and colliders