Contribution ID: **27**   Type: **not specified**

Machine learning for computing in quantum field theory

Friday 17 December 2021 16:00 (30 minutes)

Machine learning has the potential of becoming, among other things, a major computational tools in physics, making possible what was not. In this talk I focus on one specific example of using this new tool on concrete computational problems. I will summarise my recent paper (2110.02673) with de Haan, Rainone, and Bondesan, where we use a continuous flow model to help ameliorate the numerical difficulties in sampling in lattice field theories, which for instance hampers high-precision computations in LQCD.

Primary author: CHENG, Miranda (University of Amsterdam)

Presenter: CHENG, Miranda (University of Amsterdam)