## Machine learning approaches in Lattice QCD - an interdisciplinary exchange



Contribution ID: 3 Type: not specified

## Machine learning RG-improved SU(3) gauge actions

Tuesday 10 June 2025 11:30 (50 minutes)

I describe how RG-improved SU(3) gauge actions can be parametrized through machine learning gauge covariant convolutional neural networks. I discuss how the approach benefits from the straightforward accessibility of gauge field derivatives and the capability to generate targeted learning.

**Presenter:** WENGER, Urs (University of Bern)