UNIVERSITÄT BONN

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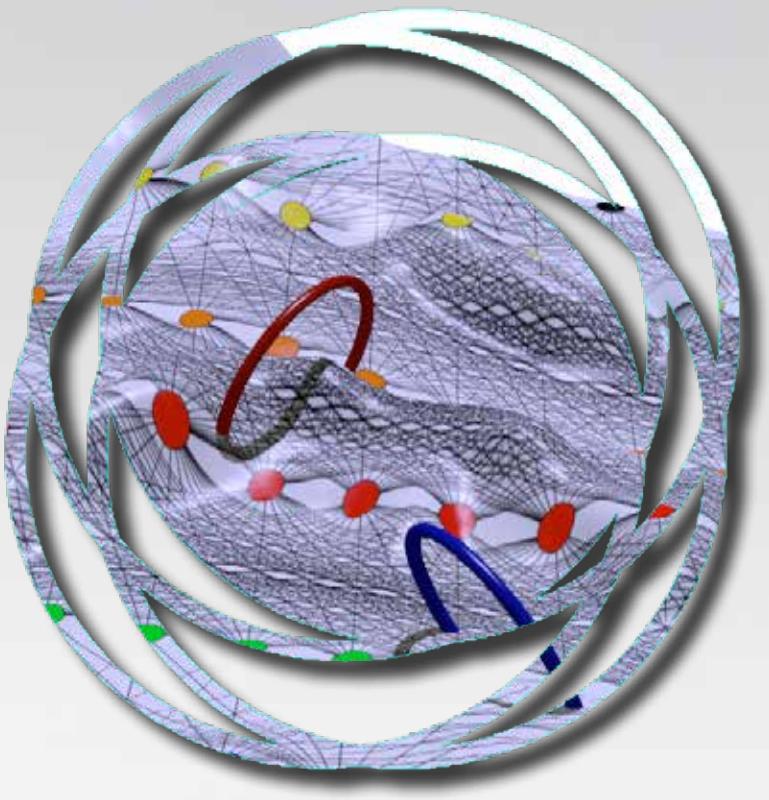
Bethe Forum

Machine Learning: Where to Apply in Theoretical Physics - Preliminary Lecture

Jim Halverson
Northeastern University, Boston



Recent Results at the Intersection of Machine Learning and Theoretical Physics

Abstract: In this talk I will provide a birds-eye-view of some results in machine learning and theoretical physics from the last year, including their motivation and techniques. Topics discussed will include machine learning for Calabi-Yau metrics, knot theory, lattice-QCD, and a correspondence between QFT and neural networks.

June 8, 2021 - 3 pm
Online meeting

Bethe Center for Theoretical Physics
Physikalisches Institut
Universität Bonn
Nußallee 12
53115 Bonn
Phone: (+49) 228 / 73 3770
e-mail: theory@physik.uni-bonn.de
http://bctp.uni-bonn.de

Additional information and application form:

www.bctp.uni-bonn.de/bethe-forum/2021/ml_lecture