

Progress and prospects of lattice supersymmetry

Tuesday, 24 July 2018 09:00 (30 minutes)

Supersymmetry plays prominent roles in modern theoretical physics, as a tool to improve our understanding of quantum field theory, as an ingredient in many new physics models, and as a means to study quantum gravity via holographic duality. Lattice investigations of supersymmetric field theories have a long history but often struggle due to the interplay of supersymmetry with the discretization of spacetime. I will review several areas in which these difficulties have been overcome, allowing for significant progress in recent years, and discuss important challenges that still remain.

Primary author: SCHAICH, David (University of Bern)

Presenter: SCHAICH, David (University of Bern)

Session Classification: Plenary

Track Classification: Physics Beyond the Standard Model