

Jäger: Simulating Physics Beyond the Standard Model

Monday, 10 June 2024 15:30 (30 minutes)

We explore the implications of extending the Standard Model by examining the Quantum Chromodynamics (QCD) Corrigan and Ramond large- N_c limit with a single Dirac quark in the two-index antisymmetric representation. This theoretical approach enables a correspondence with the bosonic sector of Super Yang-Mills theory. Through lattice simulations, we aim to uncover new information regarding the spectrum and dynamic properties of Super Yang-Mills theory. These simulations provide valuable insights into the potential structures and interactions present in theories beyond the Standard Model.

Session Classification: Talks