

Contribution ID: 486

Type: Talk

Determining entanglement measures in SU(N) lattice gauge theory for N>4: difficulties and solutions

Monday, 29 July 2024 15:35 (20 minutes)

Despite recent progress, the accurate determination of entanglement measures in SU(N) lattice gauge theory remains a challenging task; in particular as the number of colors, N, is increased. Considering entanglement entropy (EE) for slab-shaped entangling regions in (3+1)-dimensional pure SU(N) gauge theory, we discuss the difficulties that arise for N>4 and present our approaches to overcome them.

Primary authors: Dr JOKELA, Niko (University of Helsinki); Dr RINDLISBACHER, Tobias (University of Bern); RUMMUKAINEN, Kari (University of Helsinki); SALAMI, Ahmed (University of Helsinki)

Presenter: Dr RINDLISBACHER, Tobias (University of Bern)

Session Classification: Quantum computing and quantum information

Track Classification: Quantum Computing and Quantum Information