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Three-particle scattering from QCD

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Driven by the need to have a QCD-based determination of the hadron spectrum, nuclear structure, and electroweak decays, the lattice QCD community has been making impressive progress towards studying two- and three-hadron scattering amplitudes. Being defined in a finite-Euclidean spacetime, the notion of scattering is absent within lattice QCD, and conceptually such studies are naively impossible. In this talk, I review formal obstacles that have been overcome, as well as the very first three-particle scattering amplitudes that have been constrained via lattice QCD.

session

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