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Progress in three-particle scattering from lattice QCD

I will review recent advances in studying three-particle interactions directly from lattice QCD. By employing mathematical relations that connect discrete finite-volume energies and matrix elements to physical scattering and decay amplitudes, it is now possible to calculate observables that go beyond the single-hadron or elastic two-hadron regime. In addition to outlining the formalism, I will highlight recent applications and discuss future prospects and open challenges.

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Session Classification: Conference Talks