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Hadron scattering and resonances

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In this talk, I present recent progress towards the determination of resonant systems via lattice QCD. The truncation of the volume – necessary for lattice QCD calculations – significantly alters the analytic structure of the theory. For scattering processes involving two-hadron states, this can be circumvented by utilizing formalism to map finite-volume quantities obtained onto the desired infinite-volume observables. I illustrate the power of these techniques by highlighting some important examples in the light sector of QCD.

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