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Resonances in coupled channel scattering from lattice QCD

Most of the hadrons in nature are not stable under the strong interaction and appear as resonances in the scattering of lighter hadrons. Therefore, the study of resonances (often in coupled-channel scattering) lets us understand the workings of QCD in its low-energy non-perturbative region. This is a challenging field and there have been many advancements in this area using lattice QCD over the last few years. I will discuss how from explicit lattice calculation we can extract properties of these resonances - such as mass, width, decay constant and form factors and will show some recent results.

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