

Finite volume matrix elements of two-body states

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In this talk, I will discuss a class of observables that are experimentally inaccessible but can be accessed via lattice QCD, and how these will shed light into the nature of low-lying QCD resonances and bound states. In particular, I consider the finite-volume two-body matrix elements with one current insertion, and review the recently proposed formalism for relating these to infinite-volume amplitudes. I will place emphasis on a new set of finite volume functions that emerge.

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