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Relativistic three-particle bound states in a box

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Numerical lattice QCD calculations are necessarily restricted to a finite volume and this can significantly modify observables, especially those involving multi-hadron states. Over the past few years, great progress has been made in deriving and generalizing quantization conditions that relate finite-volume energies to infinite-volume two- and three-particle scattering amplitudes. Using a relativistic version of this formalism, I will present numerical results relating the properties of three-particle bound states in finite and infinite volume.

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