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## Finite-volume scattering formalism for all three-pion isospin channels

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I summarize recent work (arXiv:2003.10974) providing a generalization of finite-volume scattering formalism for non-identical pions in isosymmetric QCD. The result allows one to use discrete finite-volume energies, determined using lattice QCD, to constrain scattering amplitudes for all possible values of two- and three-pion isospin. As an example, I present a toy implementation for  $I(\pi\pi\pi) = 0$ , focusing on the quantum numbers of the  $\omega$  and h1 resonances.

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