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Coupled-channel scattering on Lattice QCD

I will give a short introduction to particles scattering on a torus, which is the main ingredient of extracting scattering amplitude from Lattice QCD calculation. In particular, the focus will be on coupled-channel scattering, some strategies of extracting scattering amplitudes from lattice simulations of a coupled-channel system will be discussed, these strategies are demonstrated using a toy model of resonant two-channel scattering.