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Lattice QCD studies of baryon interactions from HAL QCD method and Luscher's finite volume method

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Both HAL QCD and Luscher's finite volume methods are used to calculate the hadron interactions from lattice QCD. However, there are some systematic deviations between these methods.

In this talk, we investigate baryon interactions from both HAL QCD and Luscher's finite volume methods using the same lattice setups. From systematic comparison of these two techniques, we discuss the origin of the deviations between them and possibilities of the improvements of both methods.

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