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From QCD to Nuclear Physics

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Lattice QCD offers the promise of quantitatively connecting low-energy nuclear physics with the fundamental theory of strong interactions. Significant progress in achieving this goal has been made in the last few years, with, for example, the first definitive calculations of light nuclei recently appearing. There remain significant challenges which must be overcome to connect these calculations to experimental results, including the ability to perform calculations with physical pion masses. I will review lattice QCD calculations of multi-hadron systems, providing a status report as well as future prospects.

Primary author: WALKER-LOUD, Andre (The College of William and Mary)

Presenter: WALKER-LOUD, Andre (The College of William and Mary)

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