

# Onward and Upward: Prospects for applying *ab initio* methods to the structure of medium-heavy nuclei

*Wednesday, 18 July 2018 11:40 (30 minutes)*

The past decade or so has seen great progress in applying effective field theory ideas and non-perturbative many-body methods towards the quantitative prediction of the structure of light nuclei. I will give a brief overview of this program and discuss work in progress to extend this success up the nuclear chart beyond  $A=100$ , with a focus on binding energies, beta decay, and the limits of stability.

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