

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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Session Classification: R-Process Theory