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Current Status of Nuclear Forces from Chiral EFT

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Nuclear forces derived in chiral EFT are nowadays extensively used to study low-energy reactions and to describe various properties of nuclei and nuclear matter. I review the current status of the theory and describe our recent efforts towards developing this theoretical approach into a precision tool. Topics addressed include the two- and three-nucleon forces, applications to light systems and uncertainty quantification.

E-mail

evgeny.epelbaum@rub.de

Primary author: Prof. EPELBAUM, Evgeny (Ruhr-University Bochum)

Presenter: Prof. EPELBAUM, Evgeny (Ruhr-University Bochum)

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