

The nuclear interaction: post-modern developments

We take stock of what we have learned in the 25 years since a watershed ECT* workshop, when the now-popular effective field theory methods were first scrutinized by the nuclear-interaction community. Have potentials inspired by Chiral EFT fully replaced more phenomenological approaches? What are their phenomenological limitations? How can they be improved? Have they achieved the goal of providing a model-independent and systematic description of nuclei with controlled uncertainties? Do we understand the dynamical implications of QCD?

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