

Precise three-nucleon interactions from chiral effective field theory: Where do we stand?

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Remarkable progress has been achieved in recent decades towards quantitative understanding of nuclear forces and currents in the framework of chiral effective field theory. While accurate and precise two-nucleon potentials from chiral EFT are already available, the three nucleon forces are less well understood and constitute an important frontier in nuclear physics. I will review the current status and selected applications of three-nucleon forces in the framework of chiral effective field theory and discuss prospects for the near future.

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