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Nuclear Forces in Chiral EFT

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Abstract: In recent years, there has been substantial progress in the derivation of nuclear forces from Chiral Effective Field Theory (EFT). Accurate two-nucleon forces has been constructed at next-to-next-to-next-to-leading order (N³LO) and applied to nuclear few and many body systems. I will make a short introduction to Chiral EFT and show how nuclear forces emerge in this framework showing some results. I will end with some remarks about multi-nucleon forces and problems still open.

Más información: <http://www.ft.uam.es/seminarios.html>