

Status and Perspectives of Nuclear Lattice Effective Field Theory

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I review the status and perspectives of Nuclear Lattice Effective Field Theory. Using exascale computing, this method has been pushed into the region of the proton-rich tin isotopes. A particular focus is the determination of the three-nucleon forces, that can be tested in nuclear structure and reaction calculations. I also discuss a novel algorithm that allows for improved calculations of the nuclear charge radii.