

Special Issue

Progress in Quantum Magnets and Quantum Spin Liquids

Message from the Guest Editors

Quantum magnets play a central role in the pursuit of novel quantum states of matter. A particularly fascinating class of quantum magnets is quantum spin liquids (QSLs), which harbor long-range entangled ground states and fractionalized excitations. While an unambiguous identification of this long-sought-after state still remains elusive, we have in the last few decades witnessed telltale signatures of QSLs thanks to the discovery of new candidate materials as well as advances in experimental methods and numerical algorithms. The goal of this Special Issue is to cover the recent developments, key challenges and future aspects in theory, material synthesis, experimental characterization and their mutual intersection in the field of QSLs. Accepted contributions will include original scientific and review articles of a theoretical and experimental nature.

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