



Magnetic Field-induced Phase Transition

Guest Editor:

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Message from the Guest Editor

Some scientists have been interested in the generation of artificial strong magnetic fields and their application to research into condensed matter physics. This is because a variety of fascinating phenomena such as the quantum Hall effect and various kinds of quantum phase transitions have been discovered in strong magnetic fields. The potential properties of matter that are hidden in normal conditions can appear in strong magnetic fields as a result of “Magnetic Field-Induced Phase Transitions”.

We invite researchers who employ strong magnetic fields to control material phases to submit papers. The potential topics include:

- Quantum spin systems
- Frustrated magnets
- Transition metal oxides
- Multiferroic materials
- Rare-earth intermetallic compounds
- Molecular solids
- Development of measurement techniques to probe field-induced phase transitions





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Message from the Editor-in-Chief

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