



INSTITUTE FOR **QUANTUM MATTER**

A collaboration between
JOHNS HOPKINS UNIVERSITY
and PRINCETON UNIVERSITY

Funded by the U.S. Department of Energy



The Johns Hopkins Institute for Quantum Matter announces two postdoctoral positions in condensed-matter theory. The successful candidates will work on problems in quantum magnetism, superconductivity, and related areas with the goal of advancing our understanding of materials with strong electron correlations. Early access to experimental results and opportunities to shape the experimental agenda will distinguish theoretical work at the IQM. A Ph. D. in Physics, familiarity with the tools of modern theoretical physics and experience in the field of strongly correlated materials are required.

We seek candidates with strong interpersonal and communication skills. Applications, including a CV and a list of publications should be sent to iqm@jhu.edu with the subject line "**IQM theory postdoc.**" The applicant should arrange for three letters of recommendation to be sent by email to the same address.

The Institute for Quantum Matter started its operations in September of 2008. Funded by the Office of Basic Energy Sciences of the US Department of Energy, the IQM seeks to expose and understand materials dominated by quantum coherence and quantum correlations. The institute combines chemical synthesis, advanced spectroscopy, and theoretical analysis for new fundamental understanding of interacting quantum particles and to discover materials with a potential for applications in the energy and information technology sectors. The IQM is a collaboration between the Johns Hopkins University and Princeton University. The principal investigators are C. Broholm (Director), N. P. Armitage, R. J. Cava (Princeton), O. Tchernyshyov, and Z. Tesanovic. For further information about the Institute go to <http://iqm.jhu.edu>.

The Johns Hopkins and Princeton Universities strongly encourage applications from underrepresented groups. Review of applications will commence immediately and continue until the positions are filled.