

Stuttgarter Physikalisches Kolloquium

Fachbereich Physik, Universität Stuttgart
Max-Planck-Institut für Festkörperforschung
Max-Planck-Institut für Intelligente Systeme

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16:15 Uhr

Hörsaal V 57.01

Universität Stuttgart, Pfaffenwaldring 57, 70569 Stuttgart-Vaihingen

Gastgeber: Prof. Dr. Hans-Peter Büchler, Universität Stuttgart, Telefon: 0711 - 685-64975

Applications of particle physics concepts within condensed matter physics

Johanna Erdmenger
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Abstract

Recently significant progress has been achieved in applying concepts such as gauge/gravity duality, quantum field theory anomalies and relativistic hydrodynamics in the context of condensed matter physics. In the colloquium I will review these concepts and describe applications in the context of Weyl semimetals and superconductors, Kondo systems and strongly correlated electron systems.