

# Stuttgarter Physikalisches Kolloquium

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

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Dienstag, 5. Februar 2019

16:00 Uhr c.t.

Hörsaal V 57.01

Universität Stuttgart, Pfaffenwaldring 57, 70569 Stuttgart-Vaihingen

Gastgeber: Prof. Rudolf Hilfer, Universität Stuttgart, Telefon: 0711 - 685-67607

## Demystifying Quantum Mechanics - the "ETH Approach"

**Jürg Fröhlich**  
ETH Zürich

### Abstract

I attempt to describe a novel approach, the "ETH approach", towards understanding how, according to standard quantum mechanics, events, a concept emphasized by the late Rudolf Haag, and "classical facts" may appear in open physical systems.

My goal is to present a rational account of basic quantum mechanics and to clarify its "ontology".