



UNIVERSITÄT
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Fakultät für Physik und
Geowissenschaften

Prof. Dr. Christoph Jacobi
Prof. Dr. J. Deiglmayr
Prof. Dr. J. Vollmer

Antrittsvorlesung Faculty Colloquium

Tuesday, 18 January 2022 at 17:00

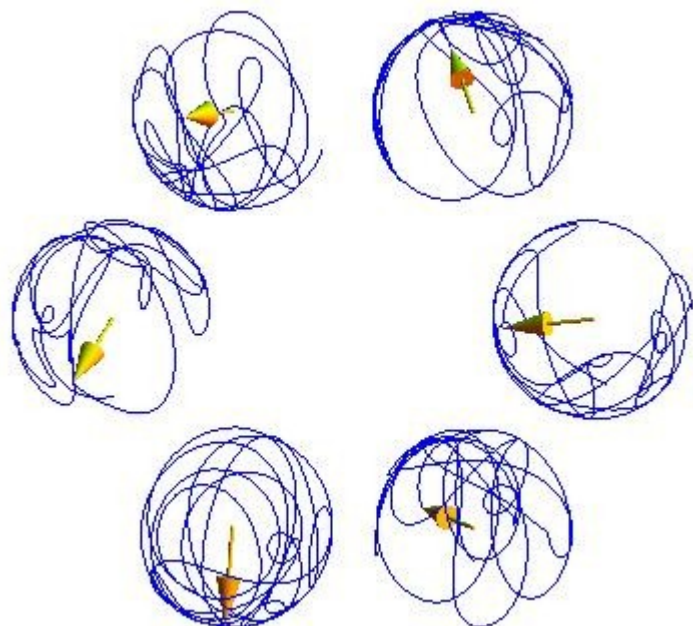
Prof. Dr. Boris Fine

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Dynamic thermalisation and chaos in many-spin systems

Intensive efforts in recent decades to understand the dynamic thermalisation and chaos in many-particle systems have clarified a number of outstanding issues in the foundations of statistical physics and, at the same time, created new frontiers for experimental and theoretical research. Spin and spin-like systems played a prominent role in these studies both for testing new concepts and for converting the newly generated knowledge into practical applications.

Here I review our systematic investigations of the role and the manifestations of chaos in quantum and classical spin systems, as well as the implications of these studies for developing the methods of computing the spin responses of solid-state systems in the context of nuclear magnetic resonance.



Online Colloquium broadcasted by BigBlueButton at

<https://lecture.uni-leipzig.de/b/vol-qad-yhg-c2k>

