

PHYSIKALISCHES KOLLOQUIUM

Wintersemester 2025/2026

Das Kolloquium findet (soweit nicht anders angegeben) **jeweils montags um 14:15 Uhr im Röntgen-Hörsaal** des Physikalischen Instituts, Hubland Campus Süd, Universität Würzburg **und online via Zoom** statt.

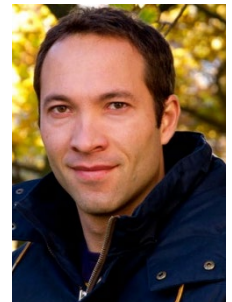
Zugangsdaten siehe <https://www.physik.uni-wuerzburg.de/aktuelles/veranstaltungen-aus-der-physik/physikalisches-kolloquium/>

03.11.2025

Prof. Dr. Brian Andersen

Universität Kopenhagen, Niels Bohr Institut

New emergent phases of unconventional superconductivity



Abstract

Unconventional superconductivity refers to superconductivity not mediated by phonons. The emergence of unconventional superconductivity often takes place in strongly-correlated materials, systems with unusual bandstructure properties, or materials featuring strong spin-orbit coupling. In this talk I will provide a general introduction to unconventional superconductors and showcase several new recently-discovered examples of systems believed to host exotic forms of superconductivity. I end the talk with two timely examples of work we have performed on the heavy-fermion compound UTe₂ and V-based kagome superconductors.

Für die Dozentinnen bzw. Dozenten der Fakultät

Prof. Dr. Palfy-Buß, Prof. Dr. Klembt, Dr. Hammer, Hr. Baumbach, Fr. Schleicher