



Beitrag ID: 86

Typ: **Invited talk**

Characterizing the effect of different superconducting bands in anisotropic superconductors

Dienstag, 7. Oktober 2025 13:30 (30 Minuten)

In many cases it is difficult to distinguish between anisotropic and multi-band superconductivity. Using the transition metal dichalcogenide superconductors as a starting point, we experimentally confirm the Thiemann-Kogan model for uniaxial anisotropic superconductors through measurements of the vortex lattice in transition metal dichalcogenide superconductors. We then use this information to identify different contributions to the superconductivity via their different effective coherence lengths. From these results, it is possible to place constraints on the level of interband coupling.

Autor: BLACKBURN, Elizabeth (Lund University)

Vortragende(r): BLACKBURN, Elizabeth (Lund University)

Sitzung Einordnung: Unconventional superconductivity

Track Klassifizierung: Unconventional superconductivity