At the **Faculty of Physics**, the **Institute of Solid-State and Materials Physics** (IFM) for the **Cluster of Excellence *ct.qmat*** invites applications for the

Chair (W3) of Nanoscale Quantum Materials

to be filled on **October 1st 2021**.

We are looking for a scientist able to comprehensively represent the field of "Experimental Condensed Matter Physics" in research and teaching. Your research should focus on the field of nanoscale quantum materials. The chair is embedded into the Cluster of Excellence *ct.qmat*, in which phenomena, materials, and applications of topological physics are studied. If you can actively contribute to strengthening this modern research area with a long-term perspective, e.g. via design, preparation, and investigation of quantum materials in form of thin films, hybrid or hetero-structures, lateral nanostructures, or 2D materials, you fulfil a central criterion for being appointed. In addition to active research within *ct.qmat*, your participation in other collaborative research activities is explicitly desired. There is the possibility for close cooperation with the International Max Planck Research School for Chemistry and Physics of Quantum Materials (IMPRS-CPQM). We expect you to fulfil teaching duties within the Faculty of Physics with commitment. Your duties furthermore include participation in selfadministration.

To be eligible for the position, you need to have a doctorate in physics or a related discipline as well as a habilitation or habilitation-equivalent achievements in research and teaching. We furthermore expect you to be familiar with acquiring third-party funding and to be experienced in project and group management. We place special emphasis on top-class publications, strong international contacts, as well as independently acquired and successfully conducted research projects. You should be able to give courses in both German and English. Immediate proficiency in German is not a prerequisite, but we expect you to acquire sufficient language skills within a reasonable period of time to conduct teaching and administrative tasks in German. Applicants must fulfil the employment qualification requirements of § 58 of the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony (SächsHSFG).

For further questions, please contact the head of the appointment committee, Prof. Dr. Jochen Geck, phone +49 351 463-37589, email jochen.geck@tu-dresden.de.

TU Dresden seeks to employ more female professors. Hence we particularly encourage women to apply. Applications from candidates with disabilities or those requiring additional support are very welcome. The University is a certified family-friendly university and offers a Dual Career Service. If you have any questions about these topics, please contact the Equal Opportunities Officer of the Faculty of Physics, Prof. Dr. Ellen Hieckmann, phone +49 351 463-36051, or the Representative of Employees with Disabilities, Mr. Roberto Lemmrich, phone +49 351 463-33175.

Please submit your application (including a comprehensive CV, a description of your research interests emphasising achievements and future goals, a list of publications and of third-party-funded projects acquired, a compilation of courses taught incl. the results of evaluations, preferably of the last three years, and a certified copy of the certificate of your highest academic degree) as hard copy to **TU Dresden, Dekan der Fakultät Physik, Herrn Prof. Dr. Michael Kobel,**

Helmholtzstr. 10, 01069 Dresden, Germany until **17.12.2020** (stamped arrival date of the university central mail service applies) and as a single PDF file via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de to **dekanat.physik@tu-dresden.de**.

About *ct.qmat*

The Cluster of Excellence „Complexity and Topology in Quantum Matter" is a joint project of Technische Universität Dresden and Julius-Maximilians-Universität Würzburg, funded through the Excellence Strategy of the German Government since January 2019. *ct.qmat* unites 200 scientists of both universities and five non-university research institutes from the areas of physics, chemistry, and materials science. *ct.qmat*'s basic research aims to understand, design, and control solid-state-based topological systems. www.ctqmat.de

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Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis