

The **Faculty of Physics** at Bielefeld University is seeking excellent applicants for a

## **Full Professorship (W3) in Experimental Physics**

with a special emphasis on new and modern aspects of **solid-state physics** and a main focus on the fabrication and characterization of novel materials and systems. Device functionality and technological application of materials could be of further potential interest. The scientific focus may include, but is not limited to quantum materials, complex solid-state hybrids, 2D materials and layered heterostructures, topological materials, correlated and magnetic materials, solid-state based quantum technology, and emergent phenomena in solid state systems. We are looking for an internationally renowned scientist with good communication skills and a strong commitment to teaching and mentoring.

We offer a competitive package including sufficient laboratory and office space, a wide range of material fabrication, processing and characterization equipment, permanently-employed personnel, and sufficient funds for the acquisition of new equipment and the recruitment of research personnel.

Current research topics of the Faculty of Physics are nano- and interface physics, biophysics, ultrafast science, astrophysics and cosmology, theoretical condensed matter physics, theoretical high energy physics, mathematical physics, and physics education. The Faculty seeks to further strengthen its material science-related research, with the announced position serving as a possible nucleation center for future collaborative research initiatives. Research synergies with existing research programs at the faculty are explicitly encouraged.

Successful candidates should have an outstanding doctorate and research and teaching record, at the level of a Habilitation according to the German academic system, and demonstrated success in acquisition of competitive third-party funding.

The expected teaching contribution comprises courses in experimental physics at the undergraduate and graduate levels. The successful candidate should be fluent in English, and is expected to be able to teach and interact in German the latest 5 years after his/her appointment. Full participation in academic self-governance is expected.

According to § 36 of the Higher Education Act of North Rhine-Westphalia (HG-NRW), the requirements for employment are a completed university degree in a relevant subject, the special aptitude for academic work, which is demonstrated by the quality of the doctorate, pedagogical aptitude, which is demonstrated by a corresponding previous education or is exceptionally determined in the appointment procedure, as well as additional academic achievements, which are exclusively and comprehensively evaluated in the appointment procedure.

Applications from suitable severely disabled persons and persons with equivalent disabilities are expressly encouraged.

The faculty considers the equality of women and men to be an important task, which the future holder of the position will help to implement. Bielefeld University has received several awards for its successes in the field of equality and is certified as a family-friendly University. It welcomes applications from women. This is particularly true in the academic field. Applications are handled according to the provisions of the state equal opportunity statutes. Family leave periods are appropriately considered in the selection decision.

Bielefeld University supports dual-career constellations to establish a common centre of life and work.

Applications with the usual documents (curriculum vitae, publication record with electronic versions of the five most important publications, research and teaching concepts - maximum two A4 pages each, list of taught courses, copies of academic certificates) please submit online via the appointment portal of Bielefeld University by **October 31, 2023**.

Submission webpage: <https://berufungen.uni-bielefeld.de>

Further questions regarding this position please refer to

Bielefeld University  
Dean of the Faculty of Physics  
PO Box 10 01 31  
33501 Bielefeld  
Germany  
[dekan@physik.uni-bielefeld.de](mailto:dekan@physik.uni-bielefeld.de)

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