

The Ruhr-Universität Bochum (RUB) is one of Germany's leading research universities. The University draws its strengths from both the diversity and the proximity of scientific and engineering disciplines on a single, coherent campus. This highly dynamic setting enables students and researchers to work across traditional boundaries of academic subjects and faculties.

The Ruhr-Universität Bochum – Faculty for Physics and Astronomy – invites applications for the position of a

**PROFESSOR (W2) FOR EXPERIMENTAL PHYSICS,  
WITH FOCUS ON NON-EQUILIBRIUM PLASMA PHYSICS**

to start as soon as possible.

Plasma research at the Ruhr-University Bochum covers a broad spectrum, ranging from low-temperature plasmas and fundamental theoretical plasma research to plasmas in astrophysical contexts. Existing and projected research collaborations in the plasma field within the faculty include the SFB-TR 87 "Pulsed high power plasmas for the synthesis of nanostructured functional layers" as well as the recently applied for SFB 1316 "Transient atmospheric plasmas – from plasmas to liquids to solids" and SFB-TR 256 "Cosmic Interacting Matters - From Source to Signal".

The faculty is in search of an excellent researcher to strengthen the activities of the Bochum plasma physics group in research and education in the above-mentioned areas. A possible research focus may lie on the experimental investigation of plasmas at interfaces and related phenomena as well as the diagnostics of these systems including magnetized and non-magnetized boundary layers. The topic of non-equilibrium plasmas also encompasses phenomena in an astrophysical context and in particle acceleration. An active participation in the Research Department "Plasmas with Complex Interactions" and in other research consortia of the faculty is expected.

The teaching duties encompass experimental physics in the framework of mandatory and compulsory courses for all official study courses offered by the faculty. An involvement in the study course "medical physics" would be appreciated.

Positive evaluation as a junior professor or equivalent academic achievement (e.g. habilitation) and evidence of special aptitude are just as much required as the willingness to participate in the self-governing bodies of the RUB and to generally get involved in university processes according to RUB's mission statement.

We further expect

- high commitment in teaching, enthusiasm and didactic skills for the education of physics students and the supervision of bachelor and master thesis projects
- readiness to participate in interdisciplinary academic work
- willingness and ability to attract external funding.

The Ruhr-Universität Bochum is an equal opportunities employer.

Complete applications including full CV, publication list, teaching records and record of research grants as well as statement of teaching philosophy and research plan should be sent until **25 October 2017** to the **Dean of the Department of Physics and Astronomy at the Ruhr-University Bochum, 44780 Bochum, Germany** or [dekanat@physik.rub.de](mailto:dekanat@physik.rub.de).

Further information is available at [www.physik.rub.de](http://www.physik.rub.de).