The Department of Physics and Astronomy in the Faculty of Mathematics and Natural Sciences of the University of Bonn invites applications for a

**Professorship (W2 Tenure Track W3) for Experimental Physics**

**Solid State Physics**

at the Physikalisches Institut to be filled as soon as possible.

The research area of the professorship should be solid state physics and focus on the investigation of novel quantum materials with controllable or switchable properties. Possible fields of research include layered two-dimensional materials, topological materials, or materials with correlated electronic or magnetic properties. Functionality leading to novel sensors or optical or electronic devices is desirable. The field of research should be linked to and extend existing research activities and infrastructure in Bonn. These include possible participation in the Collaborative Research Centre/Transregio 185 “OSCAR - Open System Control of Atomic and Photonic Matter” of the German Research Foundation, the Cluster of Excellence proposal “ML4Q”, and other future focused research projects.

The candidate is expected to contribute significantly to the new “Research and Technology Centre Detector Physics” (FTD) at Bonn University, which offers a state-of-the-art infrastructure e.g. for microstructuring and the characterisation of materials.

Teaching at the usual level for such a professorship is required.

The conditions of employment are according to § 36 Hochschulgesetz NRW.

The University of Bonn is committed to diversity and equal opportunity. It is certified as a family-friendly university and has a dual career program. It aims to increase the proportion of women in areas where women are under-represented and to promote their careers in particular. It therefore urges women with relevant qualifications to apply. Applications will be handled in accordance with the Landesgleichstellungsgesetz (State Equality Act). Applications from suitable individuals with a certified serious disability and those of equal status are particularly welcome.

Applicants are invited to send the usual documents electronically (curriculum vitae, summary of research interests, list of publications, copies of all university certificates) by June 1st, 2018 to the Chairperson of the Department of Physics and Astronomy: fachgruppe@physik-astro.uni-bonn.de.