

# Bad Honnef Physics School

Supported by the Wilhelm and Else Heraeus-Foundation

## Physics of Viruses

September 10 - 15, 2023, Physikzentrum Bad Honnef, Germany

Organised by

Sarah Köster (Göttingen) and Ulrich Schwarz (Heidelberg)

Viruses have always fascinated physicists due to their apparent simplicity: a small genome protected by a shell of proteins and sometimes by an additional layer of lipids, highly optimized in regard to assembly, mechanical stability and information storage.

Physical approaches like X-ray diffraction and electron microscopy were not only key in the first studies of virus structure, but still are essential today to understand new viruses like the SARS-CoV-2 appearing in late 2019. In this summer school, we will provide a comprehensive view on biological viruses from the viewpoint of physics, bridging all the scales from biomolecular structure through infection of single cells to virus spread in populations. Speakers from all relevant fields will offer introductions into their subdisciplines and insight into own current research.

**Fees:**

Covering full board and lodging at the Physikzentrum Bad Honnef  
200 € (for DPG members 100 €).

Application & more information: [www.pbh.de](http://www.pbh.de)



Deutsche Physikalische Gesellschaft



WILHELM UND ELSE  
HERAEUS-STIFTUNG

