



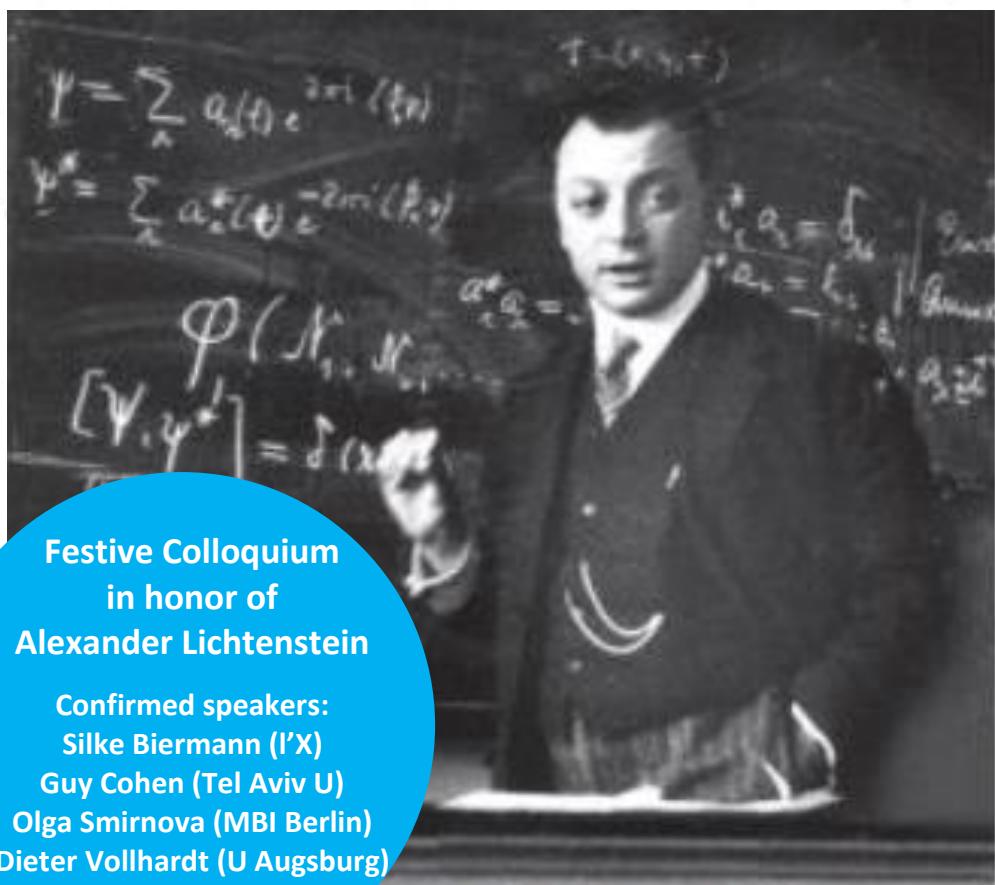
WOLFGANG
PAULI
CENTRE

Interdisciplinary centre
for theoretical physics

Theoretical Physics Symposium 2025

14 – 16 May 2025

DESY Hamburg, Germany
Auditorium CSSB (bldg. 15)



Festive Colloquium
in honor of
Alexander Lichtenstein

Confirmed speakers:
Silke Biermann (I'X)
Guy Cohen (Tel Aviv U)
Olga Smirnova (MBI Berlin)
Dieter Vollhardt (U Augsburg)

16 May 2025

The aim of this year's symposium is to expose the preeminent **'Unsolved Problems in the Theory of Quantum Systems'** and to discuss emergent novel ideas for their solution. By bringing together leading experts from a wide range of research areas in quantum theory, such as particle and astroparticle physics, condensed matter physics, and cold atoms, we want to foster a stimulating and truly cross-disciplinary dialogue.

Confirmed Speakers

Asimina Arvanitaki (Perimeter Inst.)
Alejandra Castro (U of Cambridge)
Clàudia Climent (U de Barcelona)
Eugene Demler (ETH Zurich)
Antoine Georges (CdF, Paris & Flatiron Inst.)
Stefanie Gräfe (FSU Jena)
Chris H. Greene (Purdue U)
Mikhail Katsnelson (Radboud U Nijmegen)
Henning Kirchberg (Chalmers U)
Zohar Komargodski (SCGP, Stony Brook)
Markus Luty (U of California, Davis)
Andrew Millis (Columbia U & Flatiron Inst.)
Shaul Mukamel (U of California, Irvine)
Hiroshi Ooguri (Caltech & Kavli IPMU, Tokyo)
Julio Parra-Martinez (IHES, Bures-sur-Yvette)
Markus Reiher (ETH Zürich)
Slava Rychkov (IHES, Bures-sur-Yvette)
Morgane Vacher (Nantes U)
Andreas Weiler (Tech. U Munich)

Organizing Committee

Christophe Grojean, Nina Rohringer, Robin Santra,
Volker Schomerus, Jörg Teschner, Michael Thorwart,
Tim Wehling

The Symposium is supported by the Clusters of Excellence Quantum Universe
and CUI: Advanced Imaging of Matter

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More information

<https://indico.desy.de/event/47240/>
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