



WILHELM AND ELSE HERAEUS SYMPOSIUM FOR BREAKTHROUGHS IN PHYSICAL SCIENCES

8 NOV 2024

PROGRAMME

9.00 – 9.15 am

OPENING SYMPOSIUM

Stefan Jorda, Wilhelm and Else Heraeus Foundation

Thomas Elsässer, Max Born Institute

Oliver Benson, Humboldt University Berlin

9.15 – 10.50 am

WINNER PITCHES

Saw Wai Hla, Ohio University/Argonne National Laboratory,
128 Years X-Ray History

Simon Storz, ETH Zurich, *Quantum Communication*

Thorsten Schumm, Vienna University of Technology,
Nuclear Laser Excitation

Ewold Verhagen, AMOLF, *Programmable Metamaterials*

Liang Jie Wong, Nanyang Technological University, *Quantum X-Ray Tech*

Richard Town, Lawrence Livermore National Laboratory, *Fusion Gain*

Martin Zwierlein, Massachusetts Institute of Technology, *Complex Quantum
Matter*

Xiaogang Liu, National University of Singapore, *X-Ray Imaging*

Nils Johan Engelsen, Chalmers Institute of Technology, *Quantum Drum Vibrations*

10.50 – 11.00 am

coffee break

11.00 – 11.20 am

NEXT GENERATION RESEARCHER PITCHES

Mathis Fricke, Technical University of Darmstadt

Rutvik Lathia, Max Planck Institute for Polymer Research

Alice Orme, Max Planck Institute for Biogeochemistry

Thorsten Feichtner, University of Würzburg

Taner Esat, Forschungszentrum Jülich

11.20 - 11.50 am

LEADING WOMEN IN PHYSICS: FRONTIERS OF RESEARCH

Valeria Pettorino, European Space Agency, *Dark Energy Secrets*

Monika Aidelsburger, Max-Planck Institute of Quantum Optics/
Ludwig Maximilian University of Munich, *Quantum Simulation*

11.50 – 12.00 pm

coffee break



12.00 – 1.00 pm

SPEAKER CORNERS

1. Quantum X-Ray
2. Quantum Physics
3. Nuclear Physics and Energy

1.00 – 1.30 pm

DISCUSSION

1.30 – 1.40 pm

WRAP UP