

WELCOME TO HEIDELBERG



Summit on the Future of Neutrinoless Double-beta Decay

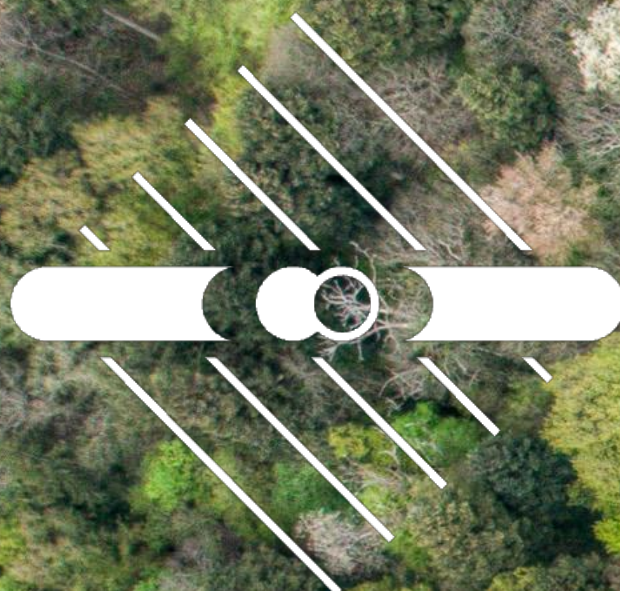


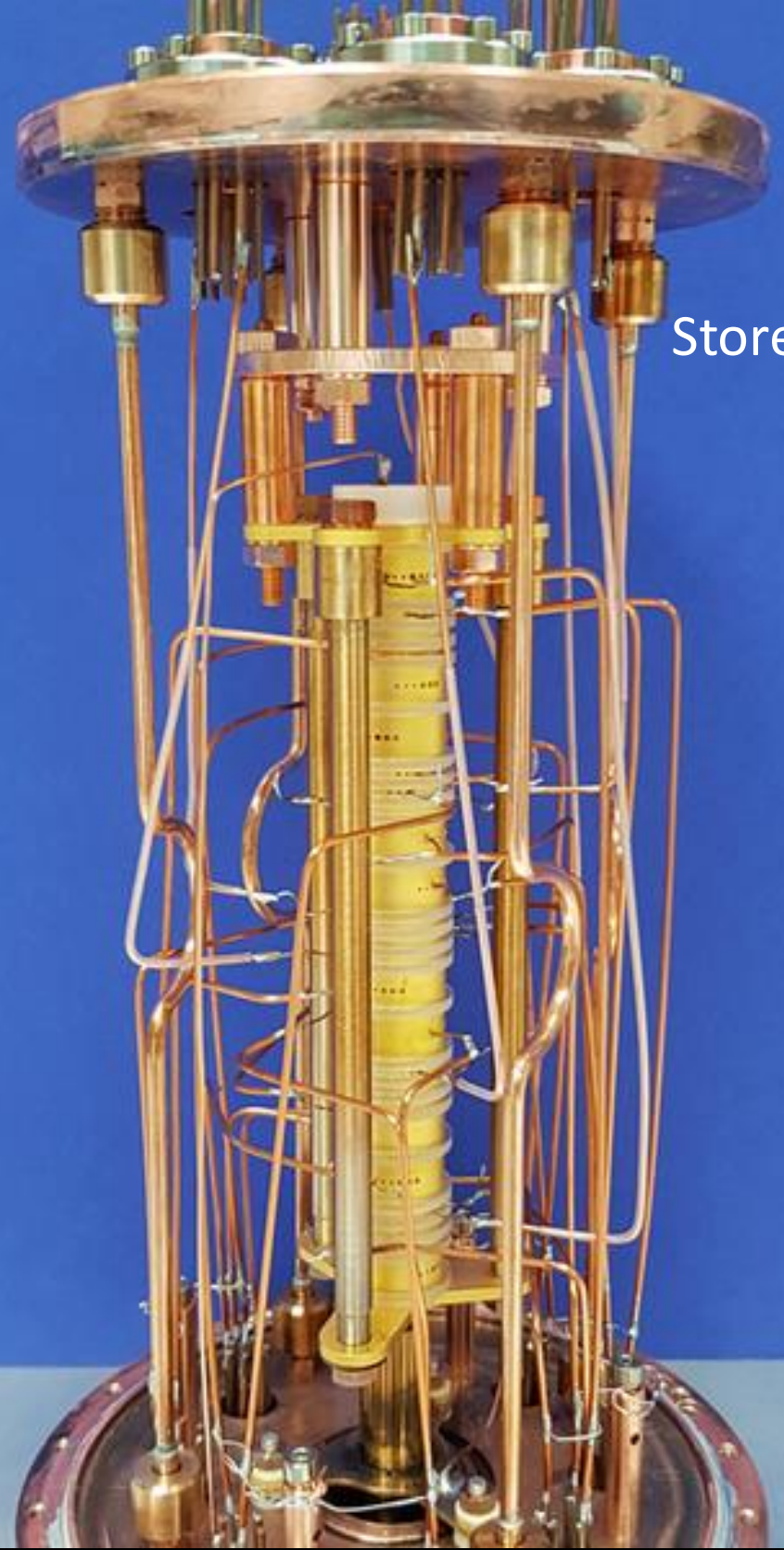
- First meeting initiated by Teresa Montaruli, former APPEC General Assembly Chair and Tim Hallmann former DOE NP director
- Thanks to Paul Mantica (DOE) for initiating the 3rd round
- Unique format:
Foster exchange among agencies and between agencies and scientist!

Welcome!



MAX-PLANCK-INSTITUT FÜR KERNPHYSIK

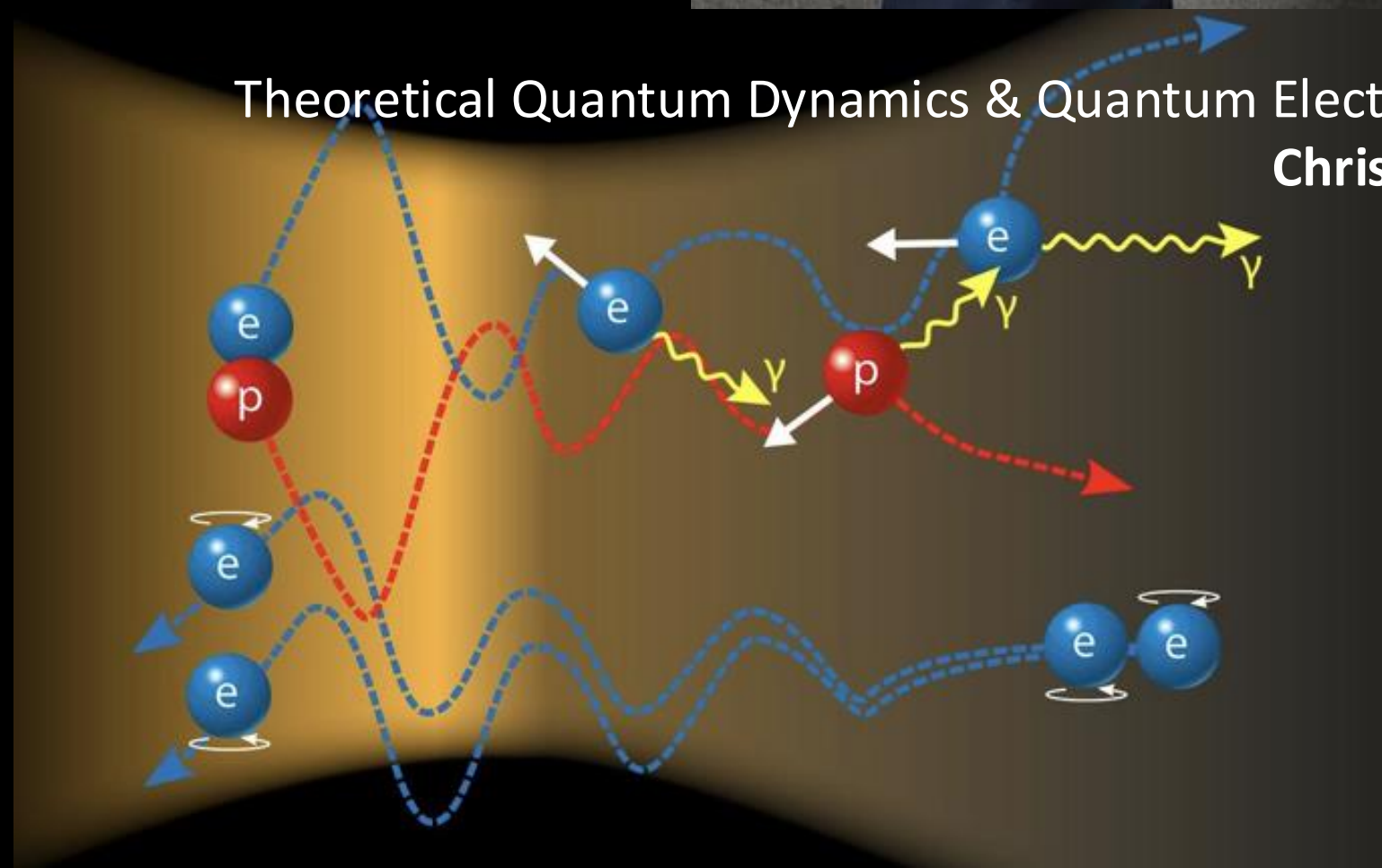
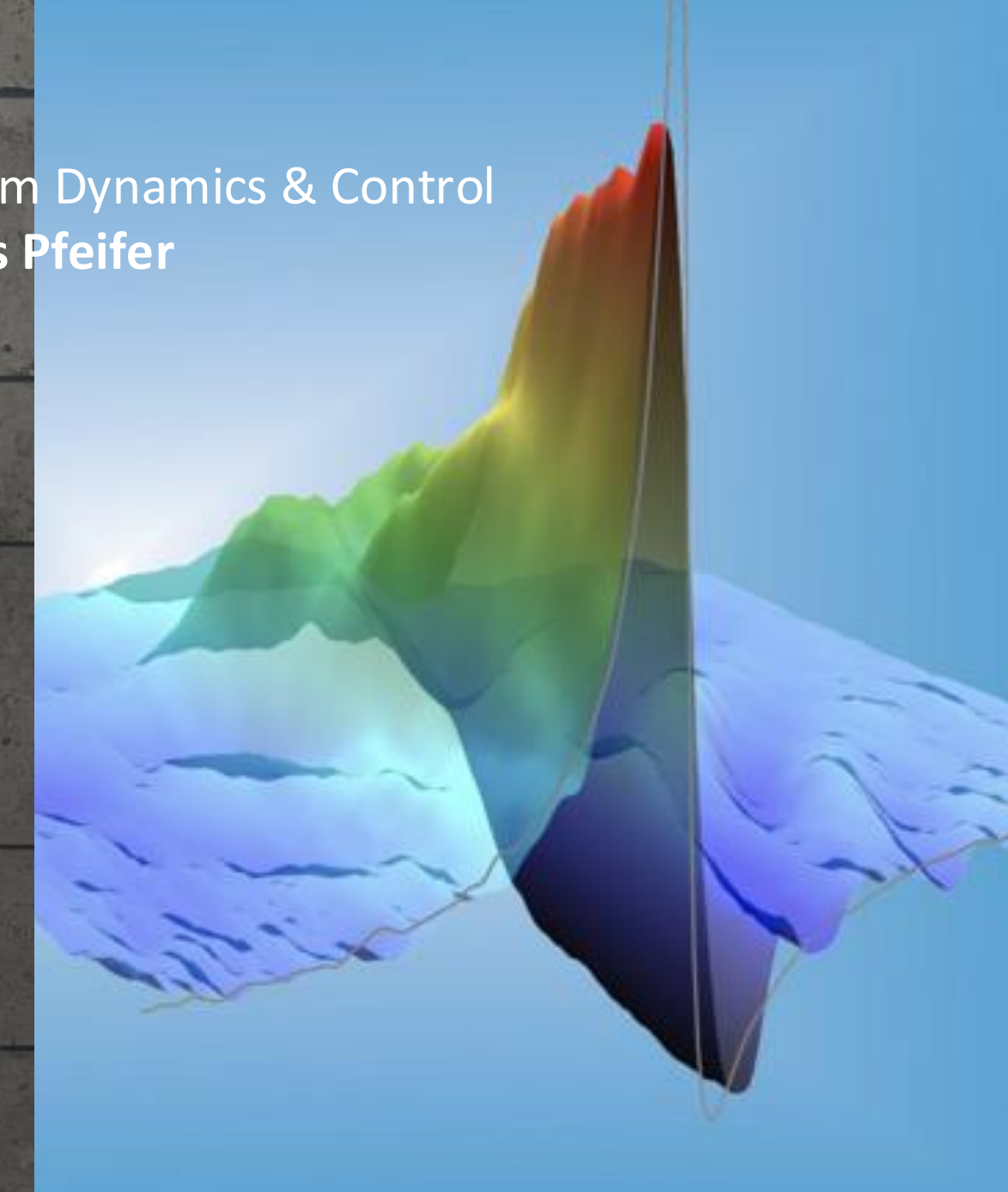




Stored & Cooled Ions
Klaus Blaum



Quantum Dynamics & Control
Thomas Pfeifer

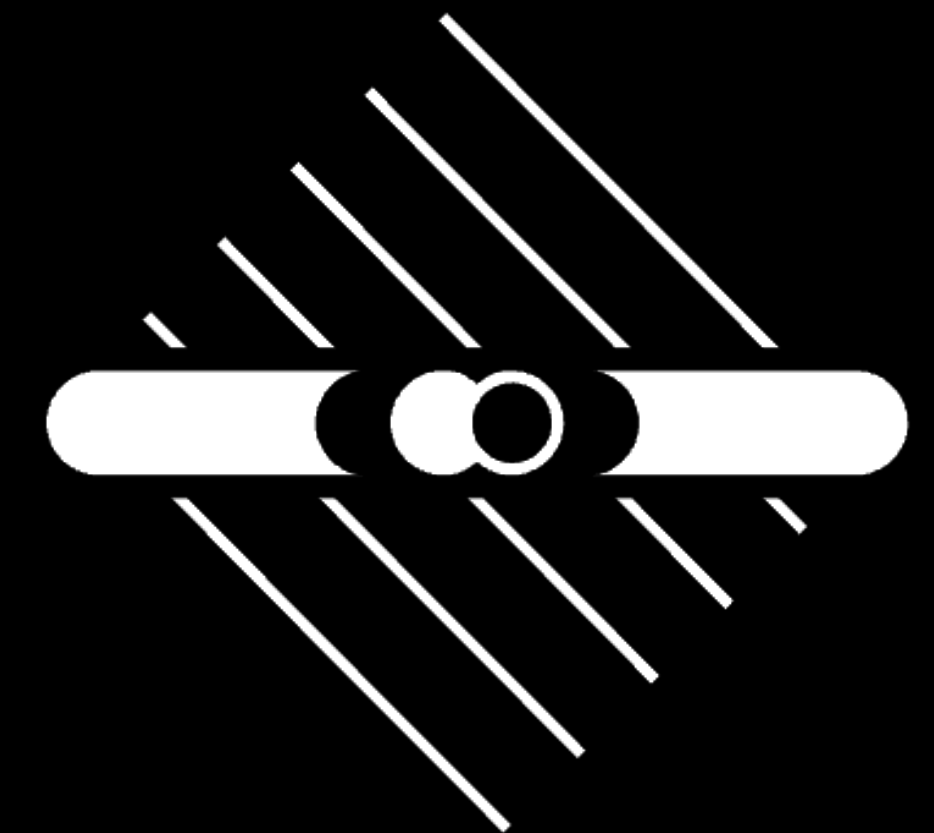


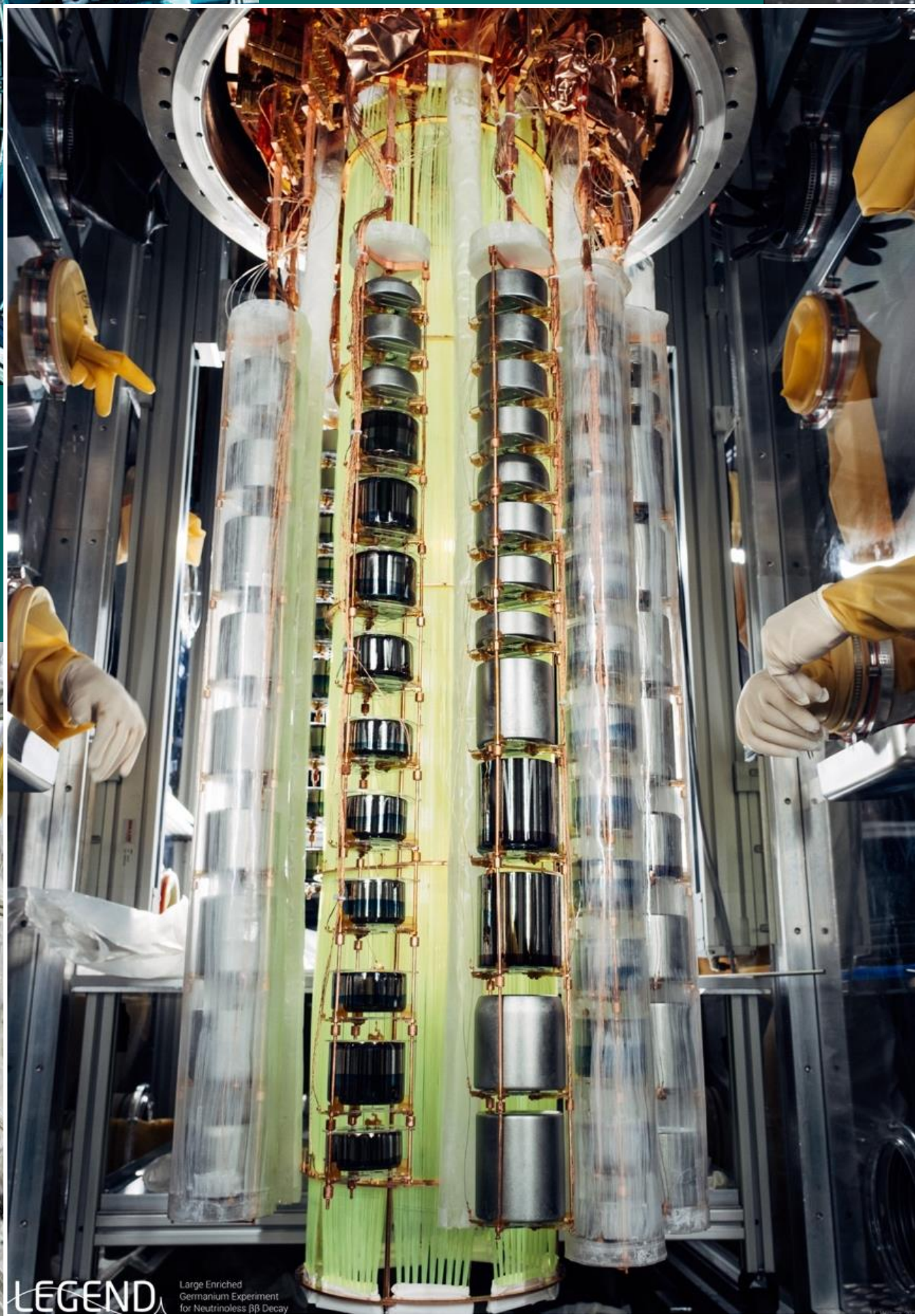
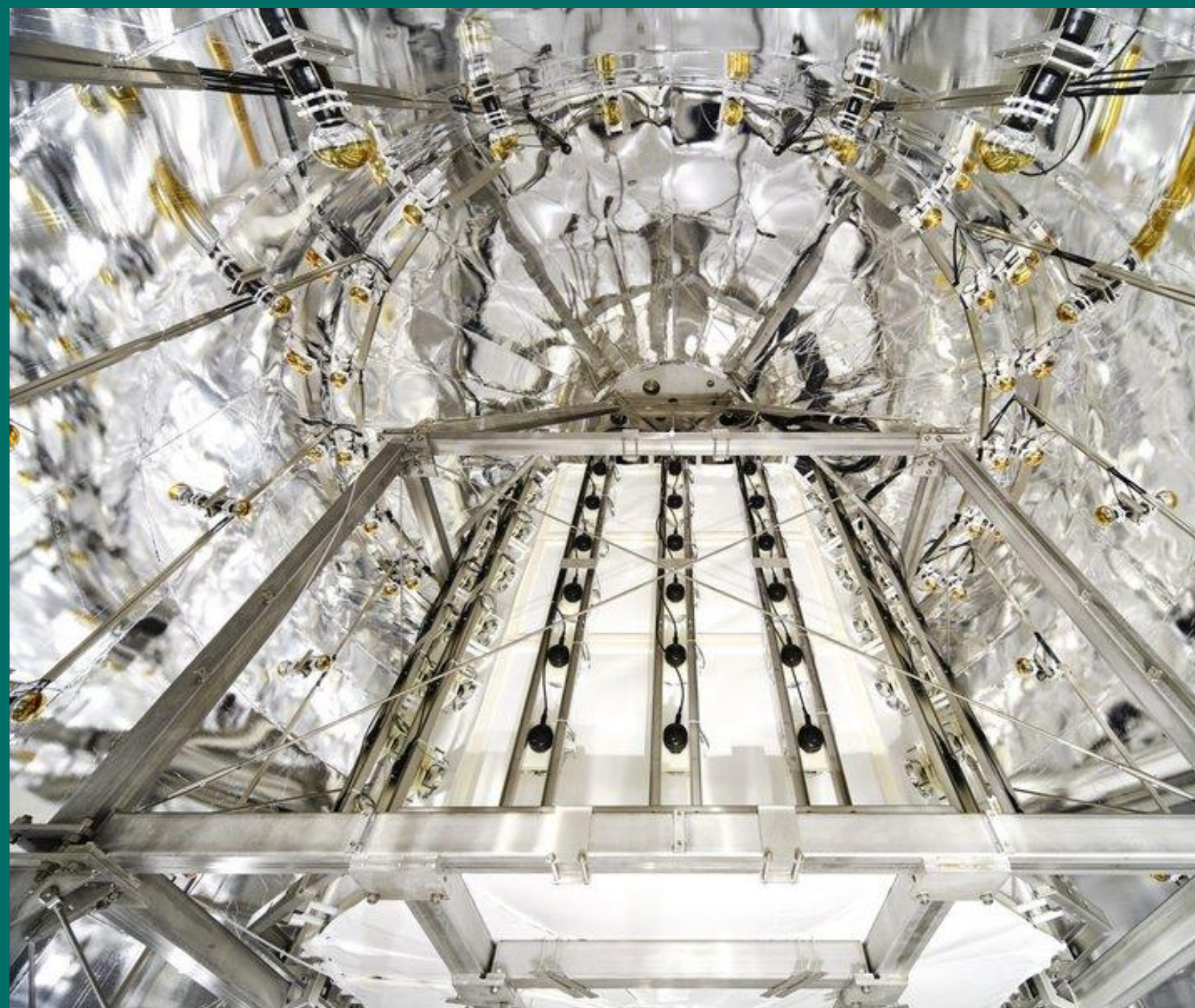
Theoretical Quantum Dynamics & Quantum Electrodynamics
Christoph Keitel

Jim Hinton

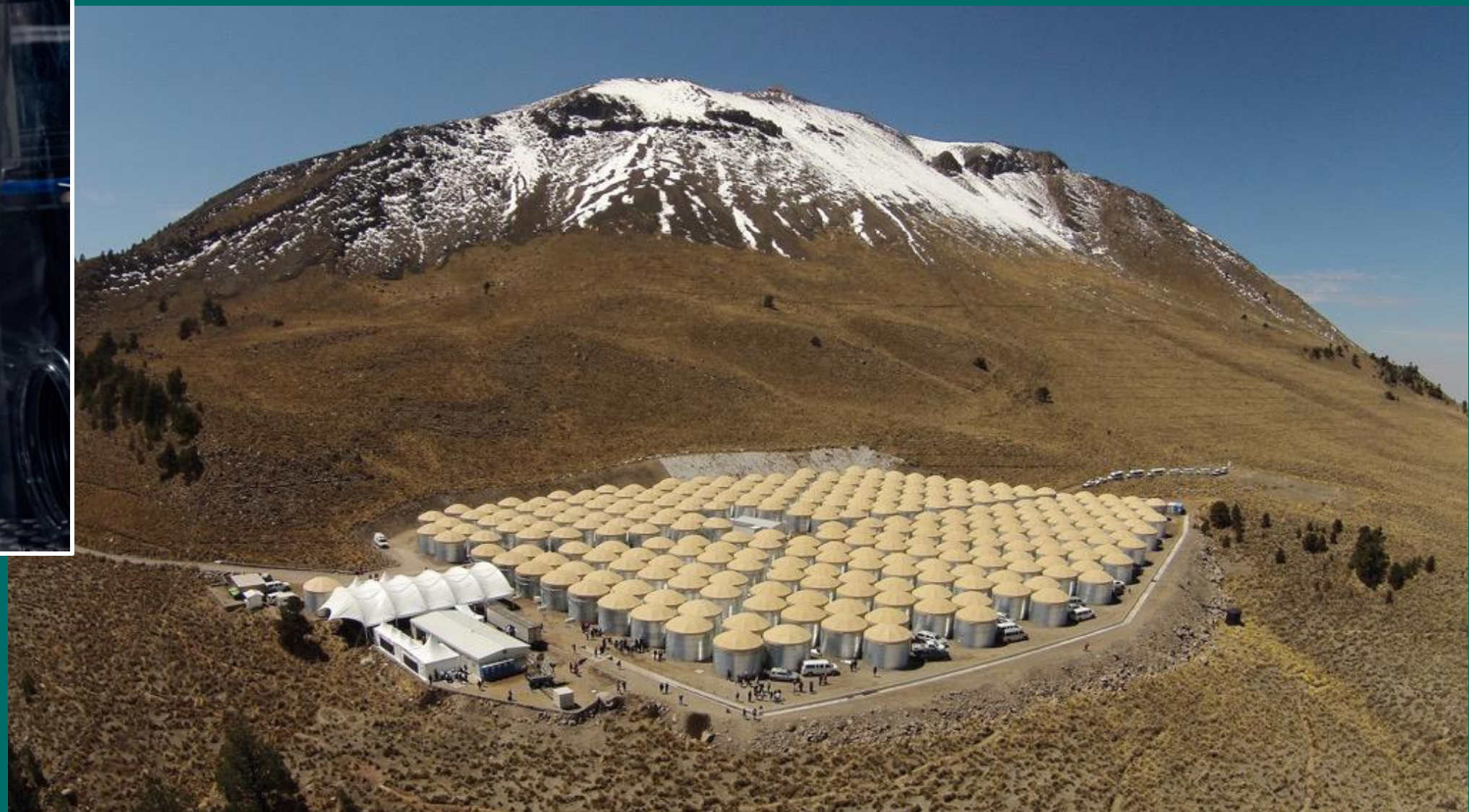
Susanne Mertens

Astroparticle Physics





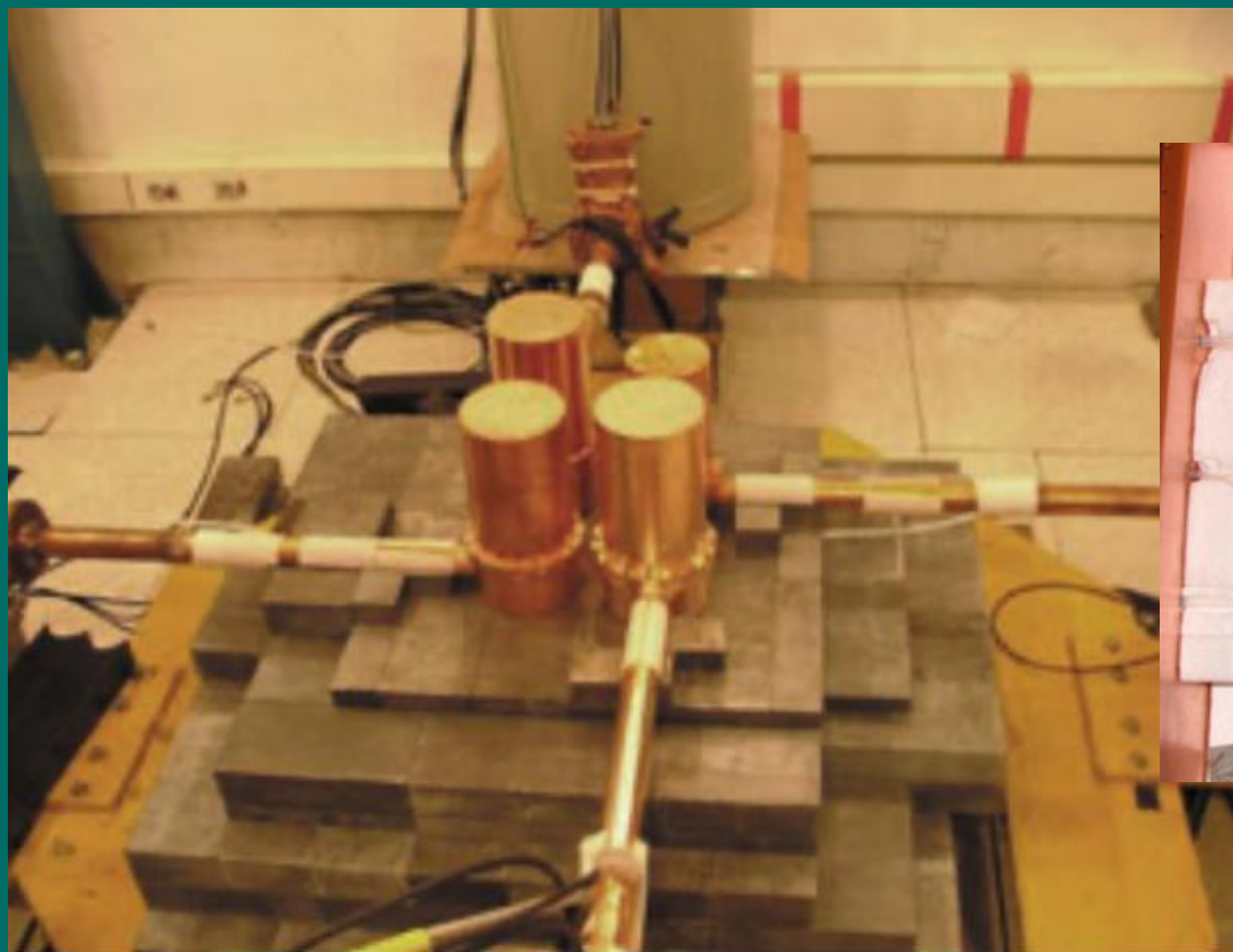
LEGEND Large Enriched Germanium Experiment for Neutrinoless $\beta\beta$ Decay



Astroparticle Physics @MPIK

Neutrino-less double beta decay at MPIK

Heidelberg-Moscow Experiment (1995-2003)



GENIUS Test (late 90s)

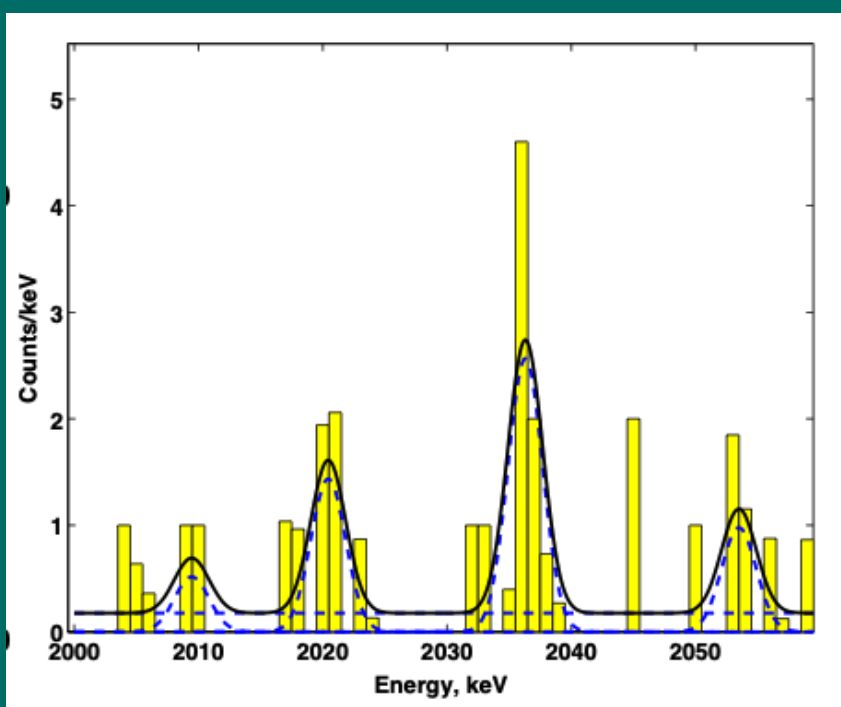


All @ LNGS

GERDA (2011-2020)

S. Mertens

LEGEND (2023-)



V. Klapdor-Kleingrothaus, G. Heusser

W. Hofmann, S. Schönert

K.T. Knöpfle, B. Schwingenheuer

M. Lindner

1995

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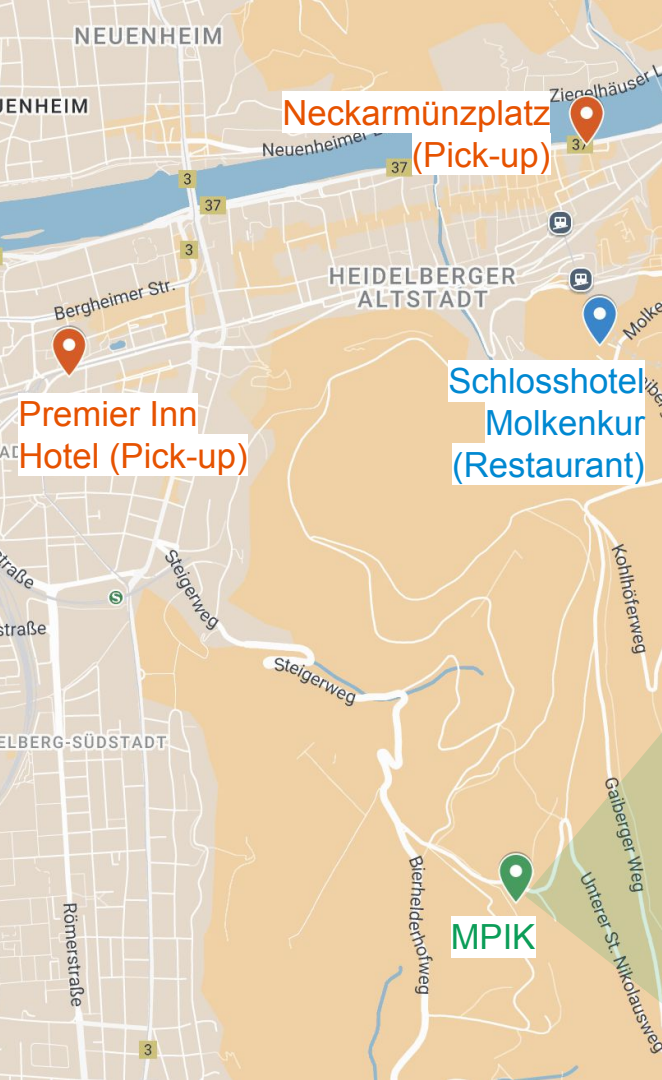
2005

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2015

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2025



Today:

- 13:00 Group picture 📷
- 13:10 Lunch 🍴
- 17:00 **MPIK visit**
- 18:30 Bus transfer to restaurant
- 21:30 Bus transfer to
- 22:00 pick-up points

Tomorrow:

- 8:30 Pick-up
- 13:00 Lunch 🍴
- 14:00 **Excursion to KATRIN experiment**
- 18:00 Return to pick-up points (or shuttle transfer to Karlsruhe main station)
- 14:30 Bus transfer to Heidelberg main station and shuttle stations

Details on <https://indico.ph.tum.de/event/7802/>

or at registration desk 📝

