

# 10 years



## Mainz Institute for Theoretical Physics

### SCIENTIFIC PROGRAMS

#### Higher Structures, Gravity and Fields

Alex S. Arvanitakis **Vrije Universiteit Brussel**, Martin Cederwall **Chalmers U. Tech**, Larisa Jonke **Rudjer Bošković Institute**, Henning Samtleben **Ecole Normale Supérieure de Lyon**

**January 9 – 27**

#### Collective Neutrino Oscillations: From Quantum Information Science to Heavy Element Synthesis

Eve Armstrong **NY Inst. of Technology & American Museum of Natural History**, A. Baha Balantekin **Univ. of Wisconsin, Madison**, Rebecca Surman **Univ. of Notre Dame**, M. Cristina Volpe **CNRS, Astroparticle & Cosmology Lab.**

**May 15 – 26**

#### New Proposals for Baryogenesis

Gilly Elor **JGU Mainz**, Seyda Ipek **Carleton University**, Bibhushan Shakya **DESY**

**June 5 – 16**

#### Thermalisation in Conformal Field Theories

Elli Pomoni **DESY**, Valentina Giangreco **Univ. of Iceland**, Andrei Parnachev **Trinity College Dublin**, Anastasios C. Petkou **Aristotle Univ. of Thessaloniki**

**July 10 – August 4**

#### EFT Foundations and Tools 2023

Javier Fuentes Martín **Granada Univ.**, Anders Eller Thomsen **Bern Univ.**, Adrián Carmona Bermúdez **Granada Univ.**, Jason Aebischer **Zürich Univ.**, Claudia Cornellà **JGU Mainz**

**August 28 – September 8**

### MITP SUMMER SCHOOLS

#### Machine Learning in Particle Theory

Tilman Plehn **Heidelberg Univ.**, Anja Butter **Heidelberg Univ. / LPHNE Paris**

**July 3 – 21**

