

# Fourth international **Summer School** on methods of **Effective Field Theory** and **Lattice Field Theory**

## Lecturers & Topics

- Nora Brambilla (TUM) Born-Oppenheimer EFT for XYZ states
- Raúl Briceño (UCB) Hadron spectroscopy and scattering
- Jambul Gegelia (RUB/TSU) Chiral perturbation theory
- Jacopo Ghiglieri (Subatech) Finite temperature field theory
- Anna Hasenfratz (CU Boulder) Introduction to LFT
- Xiandong Ji (UMCP) Partons and EFTs
- Francesco Knechtli (U Wuppertal) Heavy quarks and hadrons
- Andreas Kronfeld (FNAL) Factorial growth of perturbation theory and EFT
- Henry Lamm (FNAL) Quantum computing
- Antonio Pich (UV) Introduction to EFT
- Christian Schmidt (U Bielefeld) Finite temperature and density
- Vladyslav Shtabovenko (U Siegen) Algorithms for Perturbation Theory
- Stefan Sint (TCD) Gradient flow in continuum and LFT
- Nazario Tantalo (Tor Vergata) Spectral reconstruction
- Alejandro Vaquero (UNIZAR) Flavor physics
- André Walker-Loud (LBNL) Neutrino-Nucleus interactions

## Tutorials & participant posters/talks

- Viljami Leino (JGU)
- Abhishek Mohapatra (TUM)
- Tom Magorsch (TUM)
- Julian Mayer-Stedte (TUM)
- Panayiotis Panayiotou (TUM)
- Magnus Schaaf (TUM)
- Sipaz Sharma (TUM)
- Johannes H. Weber (TUDa)

The school includes tutorials with problems provided by the lecturers. A balanced set of tutors from each field provides guidance. There will be ample opportunity to present your work as a poster, talk or combination thereof, too, and, of course, in discussions.

## Time, Venue, Registration

- **September 14 - 27, 2025**
- **Centro de Ciencias de Benasque Pedro Pascual, Spain**, <https://benasque.org/>
- **Registration deadline April 30, 2025** at <https://benasque.org/2025eft/>
- **Please contact us with your questions at [info@benasque.org](mailto:info@benasque.org)**

## Organizing committee

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A. Kronfeld (FNAL), V. Leino (JGU), P. Petreczky (BNL), J. H. Weber (TUDa)**