

1st BiCoQ Conference: from gravity to particles



Monday, 15 June 2026 - Friday, 19 June 2026

Dipartimento di Fisica G. Occhialini, Università Degli Studi di Milano-Bicocca

Scientific Programme

The conference will cover recent advances in the study of gravity and matter across scales, from cosmological tests of dark matter to direct detection experiments and multi-frequency probes of gravity.

The scientific programme comprises invited plenary presentations (45'+15'), contributions presented in topical parallel sessions (15'+5') and posters.
Plenary talks

Morning sessions will be devoted to invited plenary talks by leading experts. These presentations are conceived to offer clear and accessible overviews of the main topics of the conference, fostering a shared perspective and encouraging interaction among all participants, independently of their specific background.

Keynote speakers (confirmed so far):

- N. Fornengo (Universita' di Torino, Italy)
- S. Vegetti (Max Planck Institute for Astrophysics, Germany)
- S. Simon (Fermi National Accelerator Laboratory, USA)
- A. Newman (Carnegie Science, USA)
- U. Sperhake (University of Cambridge, UK)
- N. Aggarwal (UC Davis, USA)
- N. Luetzgendorf (ESA-ESTEC, Noordwijk, NL)
- S. Fairhurst (University of Cardiff, UK)

Parallel sessions and posters presentation

Three focused parallel sessions will address ongoing efforts and future directions in:
constraining dark matter and dark energy through astrophysical observations
the physics of gravitational waves from binary systems
the search for new physics via the detection of dark matter candidates beyond the Standard Model
and ultra-high-frequency gravitational waves.