

# Session Program

15-19 Jun 2026



## 1st BiCoQ Conference: from gravity to particles

### *Topical Session 4 - GW*

Dipartimento di Fisica G. Occhialini, Università Degli Studi di Milano-Bicocca, Rooms U3-01 (Plenary Sessions), U3-01, U3-03, U3-05 (Parallel Sessions)  
Piazza della Scienza 3, I-20126 Milano, Italy

# Wednesday 17 June

11:30

## Topical Session 4 - GW

Session

11:30-11:50 **Pinpointing PTA Single Sources: Sequential SBI for Sky Localization**

**Speaker**

Ludovica Carbone

11:50-12:10

**Investigating the role of inter-source correlations in LISA data analysis**

**Speaker**

Rachele Rosso

12:10-12:30

**Gravitational wave astronomy without waveform approximants**

**Speaker**

Matteo Boschini

12:30

14:00

## Topical Session 4 - GW

Session

14:00-14:20

**Gravitational waves lensing, a new opportunity for investigating gravity and dark matter ?**

**Speaker**

Martin Pijenburg

14:20-14:40

**Eccentricity in binary black hole event from the third gravitational wave transient catalog**

**Speaker**

Matilde Garcia

14:40-15:00

**Measuring binary black hole time-delay distribution with GWxLSS**

**Speaker**

Nicola Bellomo

15:00-15:20

**Tracing formation channels with spin-orbit misalignment in black-hole binaries**

**Speaker**

Sofia Dossena

15:20-15:40

**Tackling labelling-related uncertainties in the mass and spin distributions of compact objects in binary systems observed via Gravitational Waves**

**Speaker**

Giulia Cuomo

15:40-16:00

**samsara: A Continuous-Time Markov Chain Monte Carlo Sampler for Trans-Dimensional Bayesian Analysis**

**Speaker**

Gabriele Astorino

16:00

16:30

**Topical Session 4 - GW**

Session

16:30-16:50

**Probing Supermassive Black Hole Mergers with Pulsar Timing Arrays**

**Speaker**

Hippolyte Quelquejay

16:50-17:10

**Modeling the nHz gravitational wave background with t-process**

**Speaker**

Beatrice Eleonora Moreschi

17:10-17:30

**Spin-2 Boson Stars**

**Speaker**

Andrea Gobbo

17:30

# Thursday 18 June

14:00

## Topical Session 4 - GW

Session

14:00-14:20

### Probing astrophysical environment of stellar mass black holes through the LISA stochastic signal

**Speaker**

Rohit Subbarayan Chandramouli

14:20-14:40

### Photometric identification and spectroscopic confirmation of massive black hole binaries

**Speaker**

Lorenzo Bertassi

14:40-15:00

### Massive Black Holes formation and evolution in cosmological environments

**Speaker**

Mr Daniele Spinoso

15:00-15:20

### Towards a comprehensive description of black hole binary inspiral from Newtonian to relativistic scales

**Speaker**

Alessandro Lupi

15:20-15:40

### Eccentricity distribution of extreme mass ratio inspirals

**Speaker**

Davide Mancieri

15:40-16:00

### Warped accretion discs and black-hole spins in gravitational-wave astronomy

**Speaker**

Lisa Merlo

16:00