

## **Session Program**

**2-5 Sept 2025**

# **EOB@Work25: 10 years of gravitational wave detections**

## ***Contributed talks***

INFN Torino  
Via P. Giuria 1

# Tuesday 2 September

15:00

## Contributed talks: analytical relativity

**Session** | **Location:** INFN Torino , Wataghin, Via P Giuria 1

15:00–15:20

### Gauge Flexibility in post-Minkowskian EOB models

**Speaker**

Adam Clark

15:20–15:40

### Resuming PM and PN Gravitational Waveform Expansions

**Speaker**

Andrea Cipriani

15:40–16:00

### A novel Lagrange-multiplier approach to the effective-one-body dynamics of binary systems in post-Minkowskian gravity

**Speaker**

Andrea Placidi

16:00

# Thursday 4 September

09:30

## Contributed talks: non-circularized orbits

**Session** | **Location:** INFN Torino, Via P. Giuria 1

09:30–09:50

### Highly accurate simulations of asymmetric black-hole scattering and cross validation of effective-one-body models

**Speaker**

Oliver Long

09:50–10:10

### Spin precession across timescales

**Speaker**

Prof. Davide Gerosa

10:10–10:30

### Spin-eccentricity interplay in merging binary black holes

**Speaker**

Giulia Fumagalli

10:30–10:50

### Black-hole - neutron-star mergers: new numerical-relativity simulations and multipolar effective-one-body model with spin precession and eccentricity

**Speaker**

Alejandra Gonzalez

10:55

11:25

## Contributed talks: the test mass limit

**Session** | **Location:** INFN Torino, Via P. Giuria 1

11:30–11:50

### Kerr-fully peaking into the abyss: characterizing the merger of equatorial-eccentric-geodesic plunges in rotating black holes

**Speaker**

Guglielmo Faggioli

11:50–12:10

### Covariant and Gauge-invariant Metric-based Gravitational-waves Extraction in Numerical Relativity

**Speaker**

Joan Fontbuté

12:10–12:30

### Real modes and null memory contributions in effective-one-body models

**Speaker**

Simone Albanesi

12:30

## Friday 5 September

09:30

### Contributed talks: Data analysis

**Session** | **Location:** INFN Torino, Via P. Giuria 1

09:30–09:50

#### **Biases from Quasi-Circular Templates in Eccentric Binary Neutron Stars Gravitational Wave Analysis**

**Speaker**

Giulia Huez

09:50–10:10

#### **Parameter estimation of gravitational waves from hyperbolic black hole encounters**

**Speaker**

Jacob Lange

10:30