

## **Session Program**

**26 May 2024 to 1 June 2024**



## **Vulcano Workshop 2024 - Frontier Objects in Astrophysics and Particle Physics**

***Gravitation, GW and electromagnetic  
counterpart***

Ischia Island (Naples, Italy)

# Monday 27 May

09:00

## Gravitation, GW and electromagnetic counterpart

**Session** | **Location:** Ischia Island (Naples, Italy) | **Convener:** Marta Burgay

09:00–09:25 **Latest results on GW**

### Speaker

Maria Alessandra Papa

09:25–09:50 **Multi-messenger observations, status and future perspectives**

### Speaker

Irene Di Palma

09:50–10:15 **Chasing Gravitational Waves with the Cherenkov Telescope Array**

### Speaker

Barbara Patricelli

10:15–10:40 **The Einstein telescope**

### Speaker

Michele Punturo

10:40

11:00

## Gravitation, GW and electromagnetic counterpart

**Session** | **Location:** Ischia Island (Naples, Italy) | **Convener:** Bruce Allen

11:00–11:25 **Gravitational Waves in Einstein-Cartan Theory**

### Speaker

Emmanuele Battista

11:25–11:50 **Modified Gravity Alternatives to Dark Matter**

### Speaker

Salvatore Capozziello

11:50–12:15 **Lunar GW Antenna (LGWA)**

### Speaker

Jan Harms

12:15–12:40 **Laser Interferometer Lunar Antenna (LILA) for Lunar GW detection**

### Speaker

Karan Jani

12:40–13:05

## Fundamental gravity with Lunar Laser Ranging (2024 mission CP11 of NASA-ESA)

### Speaker

Marco Muccino

13:05–13:30 **Testing Gravity with LAGEOS, LARES and Galileo**

### Speaker

Massimo Visco

13:30