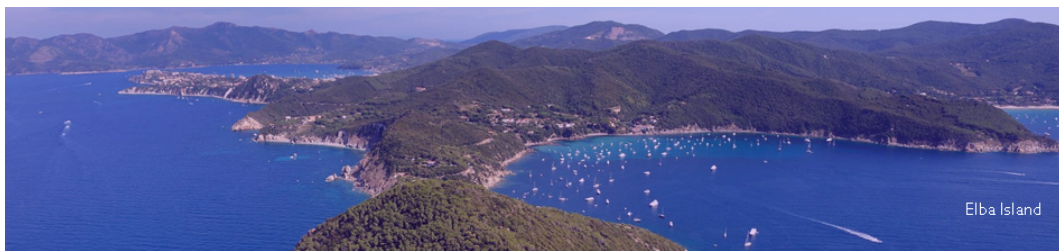


## **Session Program**

**September 25, 2022 to October 1, 2022**



# **Vulcano Workshop 2022 - Frontier Objects in Astrophysics and Particle Physics**

## ***Dark Matter & Dark Energy***

Elba Island (Tuscany, Italy)

# Thu, September 29

1:05 PM

## Dark Matter & Dark Energy

**Session** | **Location:** Elba Island (Tuscany, Italy)

1:05 – 1:30 PM

### Review on indirect dark matter searches

**Speaker**

Manuela Vecchi

1:30 PM

5:00 PM

## Dark Matter & Dark Energy

**Session** | **Location:** Elba Island (Tuscany, Italy) | **Convener:** Robert Stein

5:00 – 5:25 PM

### Cosmographic reconstruction to discriminate between modified gravity and dark energy

**Speaker**

Salvatore Capozziello

5:25 – 5:50 PM

### EUCLID, Mapping the Geometry of the Dark Universe

**Speaker**

Roberto Scaramella

5:50 – 6:15 PM

### Constraints on Dark Matter from gravitational lensing

**Speaker**

Daniel Gilman

6:15 – 6:40 PM

### Constraints on Dark Matter from Reionization

**Speaker**

Marco Castellano

6:40 – 7:05 PM

### Multiple dark matter signatures

**Speaker**

Viviana Gammaldi

7:05 – 7:30 PM

### INAF scientific projects and future programs

**Speaker**

Roberto Scaramella

7:55 PM

## Fri, September 30

9:00 AM

### Dark Matter & Dark Energy

**Session** | **Location:** Elba Island (Tuscany, Italy) | **Convener:** Antonio Capone

9:00 – 9:25 AM

#### Constraints on Dark Energy from the abundance of massive galaxies

**Speaker**

Paola Santini

9:25 – 9:50 AM

#### Measuring the Dark Matter Content of Dwarf Spheroidal Galaxies

**Speaker**

Francesco Gabriele Saturni

9:50 AM