

## **Session Program**

**27-30 Apr 2026**



## **Progress on Old and New Themes in cosmology (PONT) 2026**

### ***Astrophysical messengers of new physics***

Palais des papes, Avignon, Chambre du Trésorier

# Tuesday 28 April

09:00

## Astrophysical messengers of new physics

**Session** | **Location:** Palais des papes, Avignon, Chambre du Trésorier | **Convener:** Marco Cirelli

09:00–09:35 **Cornering axions with astrophysical transients**

**Speaker**

Edoardo Vitagliano

09:35–10:10 **Dynamical probes of dark matter**

**Speaker**

Julien Laval

10:10–10:45 **Dark matter direct detection in light of the Large Magellanic Cloud**

**Speaker**

Nassim Bozorgnia

10:45

11:15

## Astrophysical messengers of new physics

**Session** | **Location:** Palais des papes, Avignon, Chambre du Trésorier | **Convener:** Marco Cirelli

11:15–11:50 **Producing dark matter particles after a first-order phase transition**

**Speaker**

Felix Kahlhoefer

11:50–12:25 **Mapping out the Dark Matter in the Milky Way with Stars**

**Speaker**

Lina Necib

12:25