

## Session Program

19-22 May 2025



# NEHOP'25 - New Horizons in Primordial Black Hole Physics

## *PBHs signatures*

Brussels

# Tuesday 20 May

14:00

## PBHs signatures

Session | Location: Brussels

14:00–14:20

### The detection of observational signatures from a population of dark matter primordial black holes

**Speaker**

Michael Hawkins

14:20–14:40

### Cosmic evolution of PBH binaries: incorporating radiative feedback into accretion models

**Speaker**

Francesca Scarcella

14:40–15:00

### 21cm constraints on PBHs

**Speaker**

Dominic Agius

15:00–15:20

### Constraints on asteroid-mass primordial black holes in dwarf galaxies using Hubble Space Telescope photometry

**Speaker**

Mr Nicolas Esser

15:20–15:50

### Coffee Break

15:50–16:10

### Primordial Black Holes in the Solar System

**Speaker**

Valentin Thoss

16:10–16:30

### Antiprotons and Antideuterons signatures from Primordial Black Holes

**Speaker**

Lorenzo Stefanuto

16:30–16:50

### Non-linear quasi-normal modes of the Schwarzschild black hole from the Penrose limit

**Speaker**

Davide Perrone

16:50–17:10

### Could We Observe an Exploding Black Hole in the Near Future?

**Speaker**

Quim Iguaz Juan

17:10–17:30

### Discussion

17:30