

## Session Program

19-22 May 2025



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

### ***PBHs and GWs***

Brussels

Wednesday 21 May

14:00

PBHs and GWs

Session | Location: Brussels

14:00–14:30 PBH clusters: formation, dynamics and signatures

Speaker

Juan Garcia-Bellido

14:30–14:50 PBH and SIGW: Lessons from PTA

Speaker

Antonio Junior Iovino

14:50–15:10  
Searching for gravitational waves from inspiraling planetary-mass primordial black holes in LIGO O3 data

Speaker

Andrew Miller

15:10–15:30  
The Irrelevance of Primordial Black Hole Clustering in the LVK mass range

Speaker

Andrea Iannicciari

15:30–16:00 Coffee Break

16:00–16:30 Mairi Sakellariadou (TBA)

16:30–16:50 “Scalar-Induced” Gravitational Waves as a probe for Modified Gravity

Speaker

Anjali Abirami Kugarajh

16:50–17:10  
Inflationary and Gravitational Wave Signatures of Small Primordial Black Holes as Dark Matter

Speaker

Benjamin Gladwyn

17:10

# Thursday 22 May

09:00

## PBHs and GWs

Session | Location: Brussels

09:00–09:30 **Gabriele Franciolini (TBA)**

09:30–09:50

### Bayesian free-form reconstruction of curvature perturbations from scalar induced gravitational waves

#### Speaker

Ameek Malhotra

09:50–10:10

### Towards Accurate Merger Rates of Early Primordial Black Hole Binaries with an Extended Mass Function

#### Speaker

Simon Biot

10:10–10:30

### Detection prospects for the GW background of Galactic (sub)solar mass PBHs

#### Speaker

Frans van Die

10:30–11:00 **Coffee Break**

11:00–11:20

### Induced gravitational wave probes of the primordial black hole reheating scenario

#### Speaker

Jan Tränkle

11:20–11:40

### Constraints on Primordial Black Holes via Induced Gravitational Waves

#### Speaker

Ao Wang

11:40–12:00

### Popcorns in the sky: identifying primordial black holes in the gravitational-wave background

#### Speaker

Federico De Lillo

12:00