

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