

Session Program

27-28 Oct 2025



ORIGINS Black Hole Days

Primordial Black Holes & Fundamental Aspects

MPE, Garching, X5 1.1.18
Gießenbachstraße 1 85748 Garching

Monday 27 October

09:00

Primordial Black Holes & Fundamental Aspects

Session | Location: MPE, Garching, X5 1.1.18, Gießenbachstraße 1 85748 Garching

09:00–09:05 **Welcome**

09:05–09:30 **Primordial Black Holes: Positivist Perspective and Galaxy Genesis**

Speaker
Florian Kühnel

09:30–09:55

Black hole memory burden and its observational manifestations: spectroscopy of mergers and gravitational waves

Speaker
Gia Dvali

09:55–10:10

Transitioning to Memory Burden: Detectable Small Primordial Black Holes as Dark Matter

Speaker
Sebastian Zell

10:10–10:25

Light Micro Black Holes and their astrophysical consequences

Speaker
Manuel Ettengruber

10:25

10:50

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10:50–11:15 **Primordial Black holes are 5D**

Speaker
Prof. Dieter Lüst

11:15–11:30 **Minimal black holes and species thermodynamics**

Speaker
Ivano Basile

11:30–11:45 **Black Holes as Probes of UV Physics**

Speaker
Matilda Delgado

11:45–12:00 **Black Holes as a laboratory for Quantum Gravity**

Speaker
Carmine Montella

12:00

13:15

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13:15-13:40

Structure formation with primordial black holes

Speaker

M. Sten Delos

13:40-13:55

Detecting Primordial Black Holes in the Solar System

Speaker

Valentin Thoss

13:55