

**Session Program**

**23-25 May 2022**

**Second EuCAPT Annual Symposium**

***Early Universe***

CERN, Online only

Wednesday 25 May

09:30

Early Universe

Session | Location: CERN, Online only | Convener: Leonardo Senatore

09:30–10:00 Cosmological Approaches to Naturalness

Speaker  
Raffaele D'Agnolo

10:00–10:30 Axion Cosmology

Speaker  
Ricardo Zambujal Ferreira

10:30–10:45 break

10:45–11:15 Phase Transitions/Baryogenesis

Speaker  
Jessica Turner

11:15–11:45 Lightning Talks (5 x 5 min)

Speakers  
Eloy de Jong, Julia Gehrlein, Lucas Pinol, Marco Matteini, Yannis Georis

Subcontributions

Inflationary flavour oscillations and the cosmic spectroscopy

Speaker  
Lucas Pinol

Mapping the viable parameter space for testable leptogenesis

Speaker  
Yannis Georis

Connecting the Extremes: A Story of Supermassive Black Holes and Ultralight Dark Matter

Speaker  
Julia Gehrlein

PBH formation during matter domination with full numerical GR

Speaker  
Eloy de Jong

Analytic false-vacuum decay rate in the thin-wall approximation

Speaker  
Marco Matteini

11:45–12:15 Discussion

12:15