Session Program

19-22 May 2025



NEHOP'25 - New Horizons in Primordial Black Hole Physics

PBHs from inflation & other formation scenarios

Brussels

Monday 19 May

14:00-14:20	The unexpected shape of the primordial black hole mass function
Speaker	
Jacopo Fumagal	li
14:20-14:40	Primordial correlates from Multi-point propagators
Speaker Andrea Costanti	ini
14:40-15:00	Scalar fields and primordial black holes
Speaker Xavier Pritchard	
15:00-15:20	Primordial black hole formation in a slow-reheating scenario
Speaker Luis Enrique Pac	dilla Albores
15:20-15:40	Primordial Black Hole Formation in a Scalar Field Dominated Unive
Speaker Ethan Milligan	
15:40-16:00	Making PBHs in a Early Matter Dominated Era
Speaker Melissa Diamon	d
16:00-16:30	Coffee Break
16:30-16:50	Spectators Strike Back: Light Scalar Fields Foster PBH Formation
Speaker Sarah Geller	
16:50-17:10	Primordial black hole formation from a massless scalar field
Speaker Ilia Musco	
17:10-17:30	Primordial Black Holes from an Interrupted Phase Transition
Speaker Lucien Heurtier	
17:30-17:50	Harvesting primordial black holes from stochastic trees

17:50-18:10

Stochastic Axion-like Curvaton: Non-Gaussianity and Primordial Black Holes Without Large Power Spectrum

Speaker

Anish Ghoshal

18:10