



# QFC2024- Quantum gases, fundamental interactions and cosmology

## Wednesday, 23 October 2024

### Cosmology - Talks on specific topics (16:25 - 16:50)

-Conveners: Maria Luisa Chiofalo

time	[id] title	presenter
16:25	[14] Particle and entanglement production in an analogue preheating experiment	Dr ROBERTSON, Scott

# Thursday, 24 October 2024

## Cosmology - Talks on specific topics (14:25 - 14:50)

-Conveners: Rosa Poggiani

time	[id] title	presenter
14:25	[5] High Precision Quantum Tests of the Equivalence Principle to Distinguish Between Equivalent Gravities	MANCINI, Christian

## Cosmology - Talks on specific topics (14:50 - 15:15)

-Conveners: Rosa Poggiani

time	[id] title	presenter
14:50	[7] Programmable potentials to study synthetic horizons	LA ROOIJ, Arthur

## Cosmology - Talks on specific topics (15:40 - 16:05)

-Conveners: Rosa Poggiani

time	[id] title	presenter
15:40	[18] Quantum field theory of scalar dark matter: a simple model	PONNO, Antonio

## Cosmology - Talks on specific topics (16:35 - 17:00)

-Conveners: Scilla Degl'Innocenti

time	[id] title	presenter
16:35	[15] Proper time path integrals for gravitational waves: an improved wave optics framework	BRAGA, Ginevra

## Cosmology - Talks on specific topics (17:25 - 18:15)

-Conveners: Scilla Degl'Innocenti

time	[id] title	presenter
17:25	[17] The effect of quantum decoherence on inflationary gravitational waves	DE KRUIJF, Jessie
17:50	[16] Quantum Signatures and Decoherence during Inflation	LOPEZ, Francescopaolo

# Friday, 25 October 2024

## Cosmology - Talks on specific topics (15:35 - 16:00)

-Conveners: Jorge Yago Malo

time [id] title

presenter

15:35	[4] Gravitational Waves and Black Hole perturbations in Acoustic Analogues	COVIELLO, Chiara
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