



# OKC@15: Celebrating 15 Years of the Oskar Klein Centre

## Tuesday, 17 October 2023

### Invited Plenary Talks: Session 1 - FR4 (09:00 - 10:30)

-Conveners: Pierluca Carenza

time	[id] title	presenter
09:00	[35] Welcome	GOOBAR, Ariel Marcelo
09:10	[34] History of the OKC	BERGSTRÖM, Lars
09:30	[26] Bimetric and multimetric theories of gravity	HASSAN, Fawad
10:00	[4] Testing General Relativity with gravitational waves	Prof. CARDOSO, Vitor

### Invited Plenary Talks: Session 2 - FR4 (11:00 - 11:30)

-Conveners: Joel Pearson Johansson

time	[id] title	presenter
11:00	[28] Modelling the multi-messenger signals of neutron star mergers	ROSSWOG, Stephan

# Wednesday, 18 October 2023

## Invited Plenary Talks: Session 5 - FR4 (09:00 - 10:30)

-Conveners: Benjamin Wallisch

time	[id] title	presenter
09:00	[3] Resolving the complex dynamical evolution of supermassive black holes in cosmological simulations using the KETJU code	JOHANSSON, Peter
09:30	[20] Commander -- lessons learned from two decades of global Bayesian CMB analysis	ERIKSEN, Hans Kristian
10:00	[31] Metamaterial absorbers and detectors: How to hide the notable and detect the invisible.	GUDMUNDSSON, Jon

## Invited Plenary Talks: Session 7 - FR4 (14:00 - 14:30)

-Conveners: Milena Crnogorčević

time	[id] title	presenter
14:00	[39] Avatars of Doom / A Hole-y Universe?	WILZCEK, Frank

## Invited Plenary Talks: Session 8 - FR4 (15:40 - 16:10)

-Conveners: Metin Ata

time	[id] title	presenter
15:40	[6] Is Dark Matter Primordial Black Holes?	Prof. GREEN, Anne

# Thursday, 19 October 2023

## **Invited Plenary Talks: Session 9 - FR4 (13:40 - 14:10)**

-Conveners: Joshua Eby

time	[id] title	presenter
13:40	[10] The gamma-ray sky: insights and surprises	ZAHARIJAS, Gabrijela

## **Invited Plenary Talks: Session 10 - FR4 (15:40 - 16:30)**

-Conveners: Axel Widmark

time	[id] title	presenter
15:40	[36] A brief history and future perspectives of ML and Data Science activities at OKC	JASCHE, Jens
16:00	[40] Has JWST Discovered Dark Stars?	FREESE, Katherine