

Session Program

7-11 Apr 2025

Tales of Gravity

Flash talks

University of Nottingham, Keighton Auditorium
University Park Campus Nottingham NG7 2RD

Monday 7 April

14:40

Flash talks

Session |**Location:** University of Nottingham, Keighton Auditorium, University Park Campus Nottingham NG7 2RD |**Convener:** David Stefanyszyn

14:40–14:48

The search for modified gravity signatures within early and late time cosmological data

Speaker

Enrico Specogna

14:48–14:56

Weak Gravity from Horndeski Theories

Speaker

Linus Thummel

14:56–15:04

Deciphering Coupled Scalar Dark Sectors

Speaker

Saba Rahimy

15:04–15:12

Understanding acoustic scale observations: the one-sided fight against Λ

Speaker

Ewan Chamberlain

15:12–15:20

Bayesian Optimisation for Bayesian Evidence

Speaker

Ameek Malhotra

15:20

Wednesday 9 April

16:50

Flash talks

Session |

Location: University of Nottingham, Keighton Auditorium, University Park Campus Nottingham NG7 2RD |

Convener: Chair: Miguel Bezares

16:50–16:52

Post-Newtonian gravitational waveforms in scalar-tensor theories: elliptic and hyperbolic orbits

Speaker

David Trestini

16:52–16:54

Outlook for the detection of higher gravitational wave memory effects

Speaker

Alexander Grant

16:54–16:56

Simulating neutron stars with dissipative hydrodynamics

Speaker

Lik Hang Harry Shum

16:56–16:58

Probing Graviton Mass Through Strong Lensed Gravitational Waves with Next-Generation Detectors

Speaker

Shuaibo Geng

16:58–17:00

Penrose and super-Penrose energy extraction from a Reissner-Nordström black hole spacetime with a cosmological constant through the Bañados-Silk-West mechanism

Speaker

Duarte Feiteira

17:00–17:02

Screening mechanisms in scalar-tensor theories from a particle perspective

Speaker

Sergio Sevilano

17:02–17:04

Extremal Black Branes from the Near-Horizon

Speaker

Calvin Chen

17:04–17:06

Gravitational Fixed Point for a Standard Model like Theory

Speaker

Vatsalya Vaibhav

17:06–17:08

Quasinormal modes in semi-open systems

Speaker

Leonardo Solidoro

17:08-17:10

Fix the Frame, Resolve the Memory: the Bondi--Sachs gauge in Black Hole Perturbation Theory

Speaker

Andrew Spiers

17:10-17:12

A new look at multi-gravity and dimensional deconstruction

Speaker

Kieran Wood

17:12-17:14

Probing Gravity Through Light Bending

Speaker

Mr Flavio Sanchez

17:30