

CAS-IBS CTPU-CGA-Tokyo Tech 2024 Workshop on Cosmology, Gravity, Particle Physics

Thursday, 17 October 2024

Title: Domain Walls and Gravitational Waves (09:15 - 10:00)

-Conveners: Alexander Vikman

Title: Removing spurious degrees of freedom from EFT of gravity (10:15 - 11:00)

-Conveners: Dražen Glavan

Title: The two faces of R² gravity (11:15 - 12:00)

-Conveners: Anamaria Hell

Title: Cancellation of quantum corrections on the soft curvature perturbations (14:00 - 14:45)

-Conveners: Yuichiro Tada

Title: δN formalism and stochastic inflation (15:00 - 15:45)

-Conveners: Diego Cruces

Title: Survival of the Fittest: Testing Superradiance Termination with Simulated Binary Black Hole Statistics (16:00 - 16:45)

-Conveners: Huiyu Zhu

Friday, 18 October 2024

Title: A visual tool for assessing tension-resolving models in the H_0 - σ_8 plane (09:15 - 10:00)

-Conveners: Leila L. Graef

Title: Induced gravitational waves from inflaton oscillons and solitons in general (10:15 - 11:00)

-Conveners: Kaloian Lozanov

Title: A Quantum Superposition of Black Hole Evaporations (11:15 - 12:00)

-Conveners: Ali Akil

Title: The end state of gravitational collapse: Black hole or else? (14:00 - 14:45)

-Conveners: Francesco Di Filippo

Title: The cosmic trimmer: Black-hole hair in scalar-Gauss-Bonnet gravity is altered by cosmology (15:00 - 15:45)

-Conveners: Leonardo Trombetta

Title: On the strong coupling problem in cosmologies with “strong gravity in the past” (16:00 - 16:45)

-Conveners: Pavel Konstantinovich Petrov

Saturday, 19 October 2024

Title: Smashing spin 2 ultra-light dark matter solitons (09:15 - 10:00)

-Conveners: Federico Urban

Title: Metric-Affine theories of gravity and their applications (10:15 - 11:00)

-Conveners: Sebastian Bahamonde

Title: Causality and Stability from the Acoustic Metric (11:15 - 12:00)

-Conveners: Georg Trenkler

Title: Primordial black holes: formation, spin and type II (14:00 - 14:45)

-Conveners: Tomohiro Harada

Title: Primordial Black Hole Formation from the Early Perturbations and its Detectability Prediction (15:00 - 15:45)

-Conveners: Jianing Wang

Title: Black Holes as Probes for Ultralight Dark Matter (16:00 - 16:45)

-Conveners: Bruno Bucciotti