

Tuesday 10 December

14:00

Cosmology

Session | Location: Ainsworth Building, G02 | Convener: ZACHARY PICKER

14:00-14:30

Gravitational wave spectrum from expanding string loops on domain walls: Implication to nano-hertz pulsar timing array signal

Speaker

Wakutaka Nakano

14:30-14:50 Listening to Dark Sectors with Pulsar Timing Arrays

Speaker

Dr Amitayus Banik

14:50-15:10

Astrometry, gravitational waves and synergies with Pulsar Timing Arrays

Speaker

Ameek Malhotra

15:10-15:30 Hunting Primordial Black Hole Dark Matter in Lyman-alpha forest

Speaker

Abhijeet Singh

15:30-15:50

CMB and 21cm constraints on Primordial Black Holes

Speaker

Dominic Agius

15:50 16:20

Cosmology

Session | Location: Ainsworth Building, G02 | Convener: Jan Hamann

16:20-16:50 Domain wall networks and their cosmological signatures

Speaker

Urjit Yajnik

16:50-17:10

Revisiting Metastable Cosmic String Breaking

Speaker

Akifumi Chitose

17:10-17:30

Prediction of non-Gaussianity in CMB lensing with full-sky simulations

Speaker

Yuqi Kang

17:30-17:50

CMBubbles: Searching for the existence of a multiverse in Planck CMB

Speaker

Ms Jahanvi M

17:50

Thursday 12 December

14:00

Cosmology

Session | Location: Ainsworth Building, G02 | Convener: Jia Liu

14:00-14:30 Early supermassive black hole direct collapse with dark matter

Speaker

ZACHARY PICKER

14:30-14:50

Self-interacting scalar field distributions around Schwarzschild black holes

Speaker

Mr Alejandro Aguilar Nieto

14:50-15:10

A Beyond Standard Model Approach to Dark Energy and its multiple observational consequences

Speaker

Prof. Anupam Singh

15:10-15:30

Reconciling Cosmological Tensions with Inelastic Dark Matter and Dark Radiation in a \$U(1)_D\$ Framework

Speaker

Satyabrata Mahapatra

15:30-15:50 Bayesian Optimisation for Bayesian Evidence (BOBE)

Speaker

Nathan Cohen

15:50