

Session Program

5-7 Feb 2024



Workshop on Particle Production and Thermal Effects in Inflation

Simulations

Virtual @ King's College London
Theoretical Particle Physics and Cosmology, 7th floor, Strand Campus, King's College London

Tuesday 6 February

10:00

Simulations: Morning Session

Session |

Location: Virtual @ King's College London, Theoretical Particle Physics and Cosmology, 7th floor, Strand Campus, King's College London

10:00–10:45

Oscillon formation during inflationary preheating with general relativity

Speaker

Josu Aurrekoetxea

10:50–11:35

Lattice simulations during inflation

Speaker

Angelo Caravano

11:40–12:25

The strong backreaction in axion inflation: a lattice study

Speaker

Joanes Lizarraga

12:30

14:00

Simulations: Afternoon Session

Session |

Location: Virtual @ King's College London, Theoretical Particle Physics and Cosmology, 7th floor, Strand Campus, King's College London

14:00–14:45

New inflationary probes of axion dark matter

Speaker

Jiji Fan

14:50–15:35

Lattice Simulations of Gravitational Reheating

Speaker

Toby Opferkuch

15:40

15:40

Simulations: Discussion on Future Directions

Session |

Location: Virtual @ King's College London, Theoretical Particle Physics and Cosmology, 7th floor, Strand Campus, King's College London

15:40–16:40

Future of Cosmological Simulations

Speaker

Daniel G. Figueroa

16:40