

Session Program

5-7 Feb 2024



Workshop on Particle Production and Thermal Effects in Inflation

Theory of Particle Production

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

Monday 5 February

10:05

Theory of Particle Production: Morning Session

Session |

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

10:05-10:50

A dynamical inflaton coupled to strongly interacting matter

Speaker

Dr Wilke Van Der Schee

10:55-11:40

Axion Inflation in the Strong-Backreaction Regime: Decay of the Anber-Sorbo Solution

Speaker

Richard von Eckardstein

11:45-12:30

Vector dark matter production during inflation and reheating

Speaker

Jose A. R. Cembranos

12:30

14:00

Theory of Particle Production: 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

Perturbatively including inhomogeneities in axion inflation

Speaker

Yohei Ema

14:50-15:35

Making massive spin-2 particles from gravity during and after inflation

Speaker

Andrew Long

15:40

15:40

Theory of Particle Production: 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 Particle Production in Inflation

Speaker

Lorenzo Sorbo

16:40