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** 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 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