Session Program

14-15 Oct 2023



Particle Physics on the Plains 2023

Gravitational Waves and Astroparticle Physics

University of Kansas, 2048 Malott Hall Department of Physics & Astronomy University of Kansas Lawrence, KS

Sunday 15 October

08:55	Gravitational Waves and Astroparticle Physics Session Location: University of Kansas, 2048 Malott Hall, Department of Physics & Astronomy University of Kansas Lawrence, KS Convener: Peisi Huang
	08:55-09:13 Did we hear the sound of the Universe boiling? Analysis using the full fluid velocity profiles and NANOGrav 15-year data Speaker
	09:13-09:31 Probing Exotic Phases Via Stochastic Gravitational Wave Spectra Speaker Mr Biswajit Padhi
	09:31-09:49 First Order Electroweak Phase Transitions in the SM with a Real Scalar Singlet Extension Speaker Anthony Hooper
	09:49-10:07 Dark Mediator Spectroscopy with Binary Inspirals. Speaker Badal Bhalla
	10:07-10:25Hawking Radiation, Superradiance, and Dark SectorSpeaker Tao Xu
	10:25-10:43 A New Probe of Relic Neutrino Clustering Using Decaying Heavy Dark Matter Speaker Ms Writasree Maitra
	10:43-11:01 Impact of non-standard neutrino self interactions on sterile neutrino dark matter production in the early universe
1:05	Aaroodd UR

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