

Testing axion inflation with LISA

Wednesday, 16 October 2024 11:10 (20)

I will review the mechanism for primordial gravitational wave generation in axion-inflation models comprising a gauge sector coupled via a Chern-Simons term. I will survey both the Abelian and non-Abelian cases and provide details on the concrete possibility of primordial black hole production. I will elaborate on specific examples whose gravitational signal is detectable by LISA.

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Session Classification : Contributed Talks