



Department of
Theoretical Physics

THE QUANTUM SPACETIME SEMINAR SERIES

Axions in the CMB sky

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Date: Oct. 23, 2017

Time: 11.30 am

Venue: A-304, TIFR



Conversion of CMB photons to axion like particles is one of the most sensitive way to look for these pseudoscalar particles. I will review the physics of conversion which is similar to neutrino oscillations. I will discuss different signatures of axions in the CMB maps and constraints on axion like particles from current and future CMB experiments.