



# PHYSICS AND ASTRONOMY COLLOQUIUM

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## “Polarization of the Cosmic Gravitational Wave Background”

### Abstract

The Cosmic Gravitational Wave Background (CGB) is a hypothesized relic radiation field that, if detected, would give us clues to the earliest moments of the history of the Universe. In this talk accessible to students and non-experts, I will describe the physical processes that can give rise to a CGB, novel features including its polarization, and methods of detection. I will also discuss the ability of the proposed Laser Interferometer Space Antenna, LISA, to detect the CGB.

Wednesday, September 19, 2018

3:30 p.m.

Bob Wright Centre Building

Room A104