



Fast Radio Bursts

Date: December 8, 2021 (Wednesday)

Time: 10:00 a.m.

Zoom Online Lecture: <https://bit.ly/3m3JBMo>

Meeting ID: 954 7259 5515

Password: 2859



*Prof. Victoria Kaspi
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Abstract:

Fast Radio Bursts (FRBs) are a newly recognized and puzzling phenomenon consisting of few-millisecond bursts of radio waves coming from cosmological distances. They are ubiquitous, with all-sky rates of roughly 1000 per day, signaling a not uncommon yet powerful explosion of presently unknown origin. Recently there has been significant observational progress on understanding FRBs and recognizing their potential as novel cosmological probes, in large part thanks to the Canadian Hydrogen Intensity Mapping Experiment Fast Radio Burst Project (CHIME/FRB). In this talk I review what is known about FRBs, and describe some of the latest CHIME/FRB results related to FRB origin and distribution in the Universe.

Biography:

Victoria M Kaspi was born in 1967 in Austin, Texas, USA and is currently a Professor of Physics and Director of McGill Space Institute, McGill University, Canada. She received her Bachelor's degree in Physics from McGill University in 1989 and obtained her MA and PhD in Physics from Princeton University, USA in 1991 and 1993 respectively. After positions at the California Institute of Technology, the Jet Propulsion Laboratory and the Massachusetts Institute of Technology, she then became Assistant Professor at McGill in 1999. At McGill, she held one of McGill's first Canada Research Chairs and she was named the Lorne Trottier Professor of Astrophysics in 2006. She is a member of the US National Academy of Sciences, the American Academy of Arts and Sciences and a Fellow of the Royal Society of London.

Anyone interested is welcome to attend!

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