



# PHYSICS AND ASTRONOMY SEMINAR

**Dr. Itay Yavin**

McMaster University and Perimeter Institute

## **“Looking into the Darkness: Old and New Experiments to Look for Dark Matter”**

### Abstract

In this talk, I will describe some recent ideas about the nature of dark matter that motivate searching for it in unexpected places. I will begin by introducing the theoretical framework underlying these new models and try to motivate the structures that emerge. I will then examine in detail several new ideas for experimental tests of this framework and describe how such searches can be carried in both old and new experiments.

Thursday, December 12, 2013

2:00 p.m.

Elliott Building

Room 160