



## PHYSICS AND ASTRONOMY SEMINAR

# Dr. Josef Pradler

Perimeter Institute

## “Signals in Direct Dark Matter Experiments - I Think You've Got Sunstroke!”

### Abstract

In this talk we explore mundane and not so mundane origins of reported "anomalies" in direct detection experiments. On the example of the model proposed in [arXiv:1103.3261] in which "baryonic" neutrinos of solar origin induce nuclear recoil signals we provide a tour through the current direct detection landscape. On this occasion we will also briefly mention what recent experimental results mean for light Dark Matter. Finally, we offer some comments on suggested background hypotheses for DAMA.

Tuesday, October 25, 2011  
3:00 p.m.  
Elliott Building  
Room 160