

**Workshop:** University of Minnesota  
**Location:** Minneapolis, MN  
**Dates:** Oct. 5-9, 2011

**Title:** “Prospects for Inflationary B-Mode Detection”

**Presenter:** Alan Kogut

**Abstract:**

Measurements of the linear polarization of the cosmic microwave background provide a direct window into the physics of inflation. The experimental challenges are daunting: not only is the predicted signal faint compared to the photon noise limit, but it is hidden behind competing foregrounds from both local and cosmic sources. I will discuss the experimental response to these challenges and the prospects for eventual detection and characterization of the inflationary signal.