

Fundamental Physics with the Cosmic Microwave Background
UC Irvine March 23-25, 2006
Panel Discussion: Prospects for the Future of CMB Science
March 23, 2006 2:30-4:10PM

Aims:

- a) To provide a forum for the community to respond to the Task force report.
- b) To provide a forum to discuss how our community needs to organize itself if there is ever to be another U.S. CMB mission
- c) To allow representatives of the funding agencies to sample the spectrum of views that exists in the community, and to offer their own perspectives on what the future holds.

Discussion Leader: Bruce Winstein

Panel Members (4): Knox, Lange, Page, de Oliveira-Costa

Each panel member is allowed maximum 5 minutes to summarize a topic.
Discussion to follow after all four summaries.

Questions to be discussed.

1. Main Science goals for current and future experiments [*Knox*]
 - a) Primordial B mode polarization signal
 - b) Lensing
 - c) Small scale temperature anisotropies
2. Next generation detector technology [*Lange*]
 - a) Limiting factors and timescales
 - b) What do the funding agencies need to know?
3. Polarized Foregrounds [*de Oliveira-Costa*]
 - a) Experimental efforts to measure the polarization foregrounds
 - b) Modeling polarization foregrounds
4. Future directions for the CMBpol mission [*Page*]
 - a) 2010 Decadal Survey (Is it crucial to be ranked? How high?)