Opening Remarks

Clem Pryke

CMB Polarization Experiment Workshop

1 July 2009
- Yellow sheet gives wireless info

- Schedule included in packet
  ▶ and also online

- Participant list included in packet
  ▶ and also online
The Path to CMBPol - Upcoming Measurements of CMB Polarization
July 1-3, 2009  Chicago, Illinois

CMB Polarization Workshop

CMB Polarization Workshop, 2009

We are holding a workshop on CMB polarization experiment in Chicago on July 1-3. There is currently great scientific excitement surrounding the push to detect gravitational wave induced B-mode polarization of the Cosmic Microwave Background. The purpose of this meeting is to review and discuss the fast moving ground based and sub-orbital experimental program, and to get an update on the evolving plans for a next generation satellite mission.

http://cmbpol.uchicago.edu/workshops/path2009/
Schedule

- Relaxed schedule with plenty of time for discussion
  - 30 minute breaks morning and afternoon
  - hour for lunch
  - finish around 5pm

- Two panel discussions (Thur and Fri)

- Dinner Wednesday night

- Reception Thursday night (on own for dinner)

- Finish at noon on Friday
Workshop Goals

- Get an update on recent and current round of experiments:
  - How do they differ in technique and emphasis?
  - What is the status of the various efforts?
  - How soon will there be results?
  - Will we really get close to \( r=0.01 \) with current round?
    - What will the biggest challenges really be?

- Think about the next non-space generation:
  - Should there be one?
  - Can we justify an expensive experiment(s) to map the lensing potential?

- Hear about the latest EPIC-IM space mission concept
Program

- Wednesday Morning: Introduction and Results & Lessons from Recent Experiments
- Wednesday Afternoon / Thursday Morning: Status, plans and prospects of upcoming experiments
- Thursday Afternoon: Beyond the current round - science motivation and non-space expt
- Friday morning: Presentation of EPIC-IM space mission concept