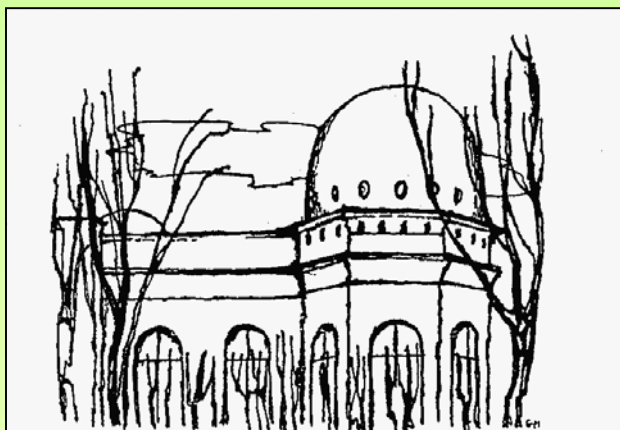


10th Paris Cosmology Colloquium

**"PHYSICS OF THE EARLY UNIVERSE
CONFRONTS OBSERVATIONS: WMAP 2006"**

OBSERVATOIRE DE PARIS 26-28 OCTOBER 2006



**ALL SESSIONS take place at "SALLE DU CONSEIL "
(COUNCIL ROOM)**

**in the historic PERRAULT building
("Bâtiment PERRAULT")**

**Observatoire de Paris ENTRY :
77, Avenue Denfert Rochereau, 75014 Paris.**

Sessions start at the indicated times sharp

1 HOUR = 50 minutes lecture + 10 minutes discussions

Observatoire de Paris, Ecole Daniel Chalonge

Tel: 01 40 51 22 21.

Fax: 01 40 51 20 02

<http://chalonge.obspm.fr>

Chalonge.Ecole@obspm.fr

8.15 - 9.10 GRANDE GALERIE: *Registration and sale of lunch tickets for the Observatoire Restaurant*

SALLE DU CONSEIL

9.15 - 9.30 Welcome Address

9.30 - 10.30 Anthony N. LASENBY (*Cavendish Laboratory, Cambridge, UK*) *CMB Observations. Anisotropies and Polarization.*

10.30 - 11.30 Daniel BOYANOVSKY (*Pittsburgh Univ., USA*) *Effective field theory of Inflation and its Initial Conditions*

11.30 - 12.00 *COFFEE BREAK at SALLE CASSINI*
Lunch tickets for the Observatoire Restaurant will be on sale during this break.

12.00 - 13.00 Michael NOLTA (*CITA Toronto Univ./WMAP, Canada*) *3-year results from the WMAP experiment*

13.00 - 14.30 *LUNCH at the Observatoire Restaurant (Building B, ground floor)*

THURSDAY 26 OCTOBER
AFTERNOON SESSION

SALLE DU CONSEIL

14.30-15.30 Kevork ABAZAJIAN (Univ. of Maryland, USA) *Neutrino Physics in Cosmology and Dark Matter*

15.30 - 16.00 Jan TAUBER (ESA/PLANCK, Noordwijk, Netherlands) *The PLANCK mission and its scientific objectives. I*

16.00 - 16.30 Jean-Loup PUGET (IAS-Orsay France) *The PLANCK mission and its scientific objectives. II*

16.30-17.00 *COFFEE BREAK at SALLE CASSINI in Perrault building, upstairs of Salle du Conseil.*

17.00 - 17.30 Richard HOLMAN (Carnegie Mellon Univ, Pittsburgh, USA) *Some Thoughts on Inflationary Initial Conditions*

17.30 - 18.00 Pavel NASELSKY (Niels Bohr Inst, Copenhagen, Denmark) *Why the WMAP Quadrupole is so Low ?*

FRIDAY 27 OCTOBER

MORNING SESSION

« SALLE DU CONSEIL »

9.30 - 10.30 Bernard SADOULET (Univ. of California, Berkeley, USA) *Present and Future Dark Matter Searches*

10.30 - 11.30 Carlos S. FRENK (Inst. for Computational Cosmology, Durham, UK) *The Large Scale Structure of the Universe*

11.30 - 12.00 COFFEE BREAK at SALLE CASSINI in Perrault building, upstairs of Salle du Conseil.

12.00 - 13.00 Rainer BECK (Max Planck Institute/SKA, Bonn, GERMANY) *Cosmic Magnetism Revealed with the Square Kilometre Array*

13.00 - 14.30 LUNCH at the Observatoire Restaurant Building B, ground floor)

FRIDAY 27 OCTOBER
AFTERNOON SESSION

« SALLE DU CONSEIL »

14.30 - 15.30 **Steen HANNESTAD** (Univ. of Aarhus, Denmark) *Neutrino Cosmology*

15.30 - 16.30 **Ariel SANCHEZ** (Univ & Obs de Cordoba, Argentina) *Cosmological parameters from CMB and the final 2dFGRS power spectrum*

16.30 - 17.00 **COFFEE BREAK at SALLE CASSINI** *in Perrault building, upstairs of Salle du Conseil.*

17.00-17.30 **Dorothea SAMTLEBEN** (Max Planck Inst, Bonn, Germany) *Future ground-(balloon)-based efforts for CMB measurements*

17.30 - 18.00 **Francesco SYLOS LABINI** (Univ & CNR, Rome, Italy) *Gravitational dynamics, galaxy structures and the new SDSS data*

SATURDAY 28 OCTOBER

MORNING SESSION. "SALLE DU CONSEIL"

9.30 - 10.30 David SPERGEL (Univ. of Princeton/WMAP, USA) *WMAP Three Year Results: Implications for Cosmology*

10.30 - 11.30 Hector DE VEGA (LPTHE, Univ de Paris VI & CNRS, France) *Inflation models at the GUT scale confronted to the WMAP data*

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11.30 - 12.00 COFFEE BREAK at SALLE CASSINI, in Perrault building, upstairs of Salle du Conseil.

12.00 - 13.00 Massimo GIOVANNINI (CERN-TH, Switzerland) *Cosmic Magnetic Fields and CMB anisotropies*

13.00 - 14.30 LUNCH BREAK : BUFFET at SALLE CASSINI, in Perrault building, upstairs of Salle du Conseil for all participants and accompanying persons

SATURDAY 28 OCTOBER

AFTERNOON SESSION. SALLE DU CONSEIL

14.30 - 15.30 **Rafael REBOLO** (Inst Astrofisico de Canarias, Spain) *CMB experiments other than WMAP. The Tenerife experiment*

15.30 - 16.30 **George F. SMOOT** (LBL, Univ. of California, Berkeley, USA) *CMB Observations. Anisotropies and Polarization*

16.30 - 17.00 **COFFEE BREAK** at **SALLE CASSINI**, *in Perrault building*

17.00 - 18.00 **Norma G. SANCHEZ** (LERMA, Obs de Paris & CNRS, France) *Early Fast Roll Inflation: the CMB quadrupole suppression*

18.00 - 19.00 *Tour to the Perrault building guided by Prof. Suzanne DEBARBAT : "The Instrumental Patrimony of Observatoire de Paris "*

19.00 - 20.30 **APERITIF/COCKTAIL** at **SALLE CASSINI** *in Perrault building, for all participants and accompanying persons. End of*

