

Rencontre at the Colegio de España
Cité Internationale Universitaire de Paris, 75014 Paris

**“PHYSICS OF THE UNIVERSE
CONFRONTS OBSERVATIONS”**



7E Boulevard Jourdan, 75014 Paris

Thursday 17 and Friday 18 MAY 2007



http://chalonge.obspm.fr/Rencontre_Paris_2007.html

Sessions start at the indicated times sharp

THURSDAY 17 MAY MORNING

8.30 - 9.10 Registration

9.15 - 9.30 Welcome Address

9.30 - 10.30 Rafael REBOLO, Instituto Astrofisico de Canarias, IAC, Tenerife, Spain.

Cosmic Microwave Observations and Limits on the cosmological parameters

10.30 - 11.00 COFFEE-TEA BREAK at the Restaurant terrace of Colegio de España located at the lower ground floor

11.00 - 12.00 Pierre ASTIER , LPNHE IN2P3 Univ Paris VI, Paris, France

Dark Energy Observations

12.00 - 13.00 Héctor J. de VEGA, Univ. Paris VI, LPTHE & CNRS, Paris, France.

The Effective Theory of Inflation and the Dark Energy in the Standard Model of the Universe

13.00 - 14.00 LUNCH at the self-service Restaurant of Colegio de España located at the lower ground floor.

THURSDAY 17 MAY AFTERNOON

14.30 - 15.30 Félix MIRABEL, ESO European Southern Observatory, Chile & CEA-Saclay, France

Black Holes in the Universe

15.30 - 16.00 Andreas ZECH, Observatoire de Paris, LUTH Meudon, France

Ultra-high Energy Cosmic Rays: What we have learnt from HiRes and Auger

16.00 - 16.30 Dmitry SEMIKOZ, APC Univ-Paris VII Tolbiac, Paris, France

Acceleration of Cosmic Rays to Ultra-High Energies

16.30 - 17.00 COFFEE-TEA BREAK at the Restaurant terrace of Colegio de España located at the lower ground floor

17.00 - 17.30 Francisco J. CAO, Univ Complutense de Madrid, Madrid Spain,

Observable Consequences of Quantum Inflation

17.30 - 18.00 Pier Stefano CORASANITI, Observatoire de Paris, LUTH Meudon, France

Analysis and Effects of Dark Energy Measurements

18.00 - 18.30 Patrick VALAGEAS, SPhT - CEA/Saclay, Gif-sur-Yvette, France

Formation of large-scale structures in the Universe: non-linear regime

FRIDAY 18 MAY MORNING

9.30 - 10.30 José W. F. VALLE, Univ. de Valencia-CSIC, Dept. Física Téorica, Spain

Neutrinos as Messengers in Astroparticle Physics

10.30 - 11.00 COFFEE-TEA BREAK at the Restaurant terrace of Colegio de España located at the lower ground floor

11.00 - 12.00 Miguel Angel ALOY , Univ. de Valencia, Valencia, Spain

The elusive nature of the progenitors of Gamma-Ray Bursts

12.00 - 12.30 Marco CIRELLI, SPhT - CEA/Saclay, Gif-sur-Yvette, France

Neutrinos properties from Cosmology

12.30 - 13.00 Federico FRASCHETTI, DAPNIA/SAP - CEA/Saclay, Gif-sur-Yvette, France

Theoretical model for the afterglow of Gamma-Ray Bursts

13.00 - 14.00 LUNCH at the self-service Restaurant of Colegio de España located at the lower ground floor.

FRIDAY 18 MAY AFTERNOON

14.30 - 15.30 Yannick MELLIER, IAP, Paris, France

Cosmology with weak gravitational Lensing

15.30 - 16.30 Claudio DESTRI, INFN & Univ . Milano-Bicocca,
Italy

*Monte Carlo Markov Chain Analysis of WMAP 3 + small
scale-CMB + LSS within the Effective Field Theory of Inflation*

16.30 - 17.00 COFFEE-TEA BREAK at the Restaurant terrace of
Colegio de España located at the lower ground floor

17.00 - 17.30 Marina RAMON MEDRANO, Univ.
Complutense de Madrid, Madrid, Spain

Strings in Cosmological Space-Times

17.30 - 18.30 Norma G. SANCHEZ, Observatoire de Paris,
LERMA & CNRS, Paris, France

*New understanding of Inflation and the Dark Energy in the
Standard Model of the Universe*

END OF THE CONFERENCE

