

# COSMOLOGY AT THE BEACH

## ESSENTIAL COSMOLOGY FOR THE NEXT GENERATION

### LOS CABOS, MEXICO, JANUARY 12-16, 2009

#### Program Short Talks

	Name	Last Name	Title
Monday			
4:30-4:45	Oliver	Zahn	Lensing Reconstruction in SPT
4:45-5:00	Vladimir	Avila-Reese	Long-duration Gamma-ray Bursts as cosmological probes
5:00-5:15	Matthew	McQuinn	Hell Reionization and its Effect on the IGM
5:15-5:30	Alexie	Leauthaud	Weak lensing with Cosmos
5:30-5:45	Luis	Ureña	Interacting models of dark energy and dark matter
5:45-6:00	Fabio	Briscese	Quantum regeneration: a new idea for Dark Energy
6:00-6:15	Carlos	Cunha	Cross-Calibration of cluster mass-observables and dark energy
6:15-6:30	Joseph	Pradler	The long-lived stau as thermal relic in the light of catalyzed BBN
Tuesday			
4:30-4:45	Jorge	Cervantes	Induced Gravity: dark energy and dark matter
4:45-5:00	Axel	de la Macorra	Dark Energy from Particle Gauge Dynamics
5:00-5:15	Enrique	Martinez	Prospects in Constraining the Dark Energy Potential
5:15-5:30	Masanao	Sumiyoshi	Fastsound: Probing Dark Energy from the BAO survey by Subaru/FMOS
5:30-5:45	Tonatiuh	Matos	Dark matter as Scalar Fields
5:45-6:00	Jerome	Courtin	Dark energy imprints on dark matter haloes mass functions
6:00-6:15	Carlos	Calcaneo	Simulations of cold collapses
6:15-6:30	Raul	Angulo	The fate of substructures in dark matter haloes
Thursday			
4:30-4:45	Maria	Beltran	Combining observations: non-gaussianity and isocurvature perturbations
4:45-5:00	Tristan	Smith	Measuring the shape of the primordial bispectrum
5:00-5:15	Daniel	Sudarsky	The Controversial Quantum Origin of the Primordial Fluctuations
5:15-5:30	Philipp	Kostka	Solving the eta-Problem in Hybrid Inflation with Heisenberg Symmetry and Stabilized Modulus
5:30-5:45	Roberto	Sussman	Cosmic acceleration without dark energy, analytic and numerical results in spherical symmetry

5:45-6:00	Shirley	Ho	Finding Missing Baryons
6:00-6:15	Kendrick	Smith	Reconstructing patchy reionization from the cosmic microwave background
6:15-6:30	Jesus	Zavala	Cosmic gamma ray background radiation and dark matter annihilation

Friday

4:30-4:45	Koushik	Dutta	Phenomenology of Hybrid Scenarios of Neutrino Dark Energy
4:45-5:00	German	Izquierdo	Application of interactive Bose-gas model to the causality problem
5:00-5:15	Mike	Lerchster	Constraining DE with the Shear Ratio Test
5:15-5:30	Jaime	Besprosvany	Thermodynamics, early universe, and dark energy
5:30-5:45	Arturo	Avelino	Can a bulk viscous matter-dominated model drive the accelerated expansion of the universe?
5:45-6:00	César	Merlín	The Sachs-Wolf effect revisited
6:00-6:15	Jack	Sayers	Constraints on cluster models using high S/N images of the SZE at 150 GHz
6:15-6:30	Alejandro	Avilés	Cosmological Phase Space of $R^n$ Gravity