

CosmoSul 2017

Plenary talks

P1: Odylío Aguiar (INPE-São José dos Campos, Brazil)

The Astronomy of Gravitational Waves was inaugurated. What about now?

P2: Gustavo Dotti (Universidad Nacional de Córdoba, Argentina)

Nonmodal linear stability of black holes

P3: Susana Landau (Universidad de Buenos Aires, Argentina)

Constraining quantum collapse models with recent CMB data

P4: Thiago Pereira (UEL-Londrina, Brazil)

Cosmology beyond statistical isotropy

P5: Rafael Porto (ICTP-SAI FR-São Paulo, Brazil)

The Effective Field Theory approach to Cosmology: From the Big Bang to Large Scale Structures

P6: Ricardo Troncoso (CECs-Valdivia, Chile)

Geometrization of integrable systems and the dynamics of constant curvature spacetimes

Invited talks

C1: Armando Bernui (ON-Rio de Janeiro, Brazil)

Interesting features in the CMB Lensing Potential Map

C2: Rodolfo Gambini (Universidad de la República-Montevideo, Uruguay)

Quantum fluctuating geometries and the information paradox

C3: Valerio Marra (UFES-Vitória, Brazil)

Clustering dark energy and halo abundances

C4: Olivera Miskovic (PUC-Valparaíso, Chile)

Conformal mass in Lovelock AdS gravity

C5: Jorge Noreña (PUC-Valparaíso, Chile)

Consistency relations for non-trivial models of inflation

C6: Martin Richarte (UFPR-Curitiba, Brazil)

Exotic dark matter

Seminars Argentina

Ar1: Osvaldo M. Moreschi

Facultad de Matemática, Astronomía, Física y Computación, UNC (FaMAF)

Searching for the signal and explanation of the GW150914 event, with balanced equations of motion

Ar2: Luis Pascual Chimento

Universidad de Buenos Aires

Sign-changeable interaction and cosmological future singularities in a holographic framework

Ar3: Emanuel Gallo

FaMAF - Facultad de Matemática, Astronomía, Física y Computación, UNC

Optical scalars and deflection angle in terms of curvature scalars at second order

Ar4: Martín Emilio de los Rios

Instituto de Astronomía Teórica y Experimental

Measuring the cosmological parameters angular distribution

Ar5: Marcelo Enrique Rubio

FaMAF - Universidad Nacional de Córdoba

Conformal dissipative relativistic fluids of divergence type

Ar6: Ezequiel F. Boero

Facultad de Matemática Astronomía, Física y Computación (FAMAF), UNC

Weak gravitational lensing and spheroidal geometrical models for the study of astrophysical systems

Seminars Chile

Chi1: Pedro Labraña

Universidad del Bío-Bío

Classically and Quantum stable Emergent Universe from Conservation Laws

Chi2: Fabiola Andrea Arevalo Reyes

Department of Physics, Universidad de La Frontera

Observational constraints in the Dark Sector for Bianchi type I cosmologies

Chi3: Nelson Manuel Videla Menares

Universidad de Chile

Evolution of primordial perturbations during reheating phase in two-field inflation

Chi4: Spyros Sypsas

Universidad de Chile

Cross-tests of CMB features in the primordial spectra

Chi5: Ali Ovgun

Pontificia Universidad Católica de Valparaíso

Inflation and Acceleration of the Universe by Nonlinear Magnetic Monopole Fields

Chi6: Pablo Emilio Gonzalez Villarroel

Universidad de Chile

$\tilde{\delta}$ Inflation

Seminars Brazil

Bra1: Micol Benetti
Observatório Nacional
The H_0 trouble

Bra2: Davi Cabral Rodrigues
Universidade Federal do Espírito Santo
Hamiltonian description of General Relativity and modified gravity from a symplectic approach

Bra3: Javier Ernesto Gonzalez Sanchez
Observatório Nacional
Non-parametric Reconstruction of Cosmological Matter Perturbations

Bra4: Giovanni Marozzi
Centro Brasileiro de Pesquisas Físicas
Relativistic effects in the galaxy number counts bispectrum

Bra5: Rodrigo de Sousa Gonçalves
Observatório Nacional
Homogeneity scale analyses via a 2D tomographic approach using SDSS data

Bra6: Duvan Ricardo Herrera Herrera
Instituto de Física, UFRJ
Calculation of the critical overdensity in the spherical-collapse approximation

Timetable

	31.07.	01.08.	02.08.
08:00-8:45	Registration		
08:45-09:00	Opening	-	-
09:00-10:00	P1	P3	P5
10:00-10:30	C1	C2	C3
10:30-11:10	Break/Poster	Break/Poster	Break/Poster
11:10-11:30	Chi1	Chi3	Chi5
11:30-11:50	Arg1	Arg3	Arg5
11:50-12:10	Bra1	Bra3	Bra5
12:10-14:10	Lunch	Lunch	Lunch
14:10-15:10	P2	P4	P6
15:10-15:40	C4	C5	C6
15:40-16:10	Break/Poster	Break/Poster	Break/Poster
16:10-16:30	Bra2	Bra4	Bra6
16:30-16:50	Arg2	Arg4	Arg6
16:50-17:10	Chi2	Chi4	Chi6
17:10-17:40	Discussion	Discussion	Discussion
17:40-17:50			Closing