

CosmoSul 2017

Plenary talks

P1: Odylio 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-SAIFR-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: Fabiola Andrea Arevalo Reyes

Department of Physics, Universidad de La Frontera

Observational constraints in the Dark Sector for Bianchi type I cosmologies

Chi2: Spyros Sypsas

Universidad de Chile

Cross-tests of CMB features in the primordial spectra

Chi3: Simon Riquelme

University of Maryland - USA

Non-Gaussianities in a two-field generalization of Natural Inflation

Chi4: 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
Impact of CMB-lensing at the next-to-leading order

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

Bra6: Gabriela Coutinho de Carvalho
Observatório Nacional
Transversal Scale from the Baryonic Acoustic Oscillations using SDSS Galaxy Distribution

Seminars Peru

Per: Teófilo Vargas
Facultad de Ciencias Físicas – Universidad Nacional Mayor de San Marcos - Peru
On cyclic cosmology with non-minimal coupling

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	Per	Arg3	Chi3
11:30-11:50	Arg1	Bra3	Arg5
11:50-12:10	Bra1	Bra4	Bra5
12:10-14:10	Lunch	Lunch	Lunch
14:10-15:10	P2	P4	P6 (at 14:00)
15:10-15:40	C4	C5	Break/Poster
15:40-16:10	Break/Poster	Break/Poster	C6 (at 15:30)
16:10-16:30	Bra2	Arg4	Chi4 (at 16:00)
16:30-16:50	Arg2	Chi2	Closing
16:50-17:10	Chi1	Bra6	
17:10-17:40	Discussion	Arg6	
17:40-18:10		Discussion	