

Workshop on String Theory, Gravity, and Fields

A workshop on Chern-Simons theory and its application in physics

This is the second edition of the Workshop on String Theory, Gravity, and Fields, that will be held at Departamento de Física de la Facultad de Ciencias Exactas y Naturales de la Universidad de Buenos Aires, between October 16th and October 17th 2012.

The aim of the Workshop is to bring together colleagues from different countries, specially from the region, working in the areas of string theory, gravitation, and quantum field theory. It is intended to be an informal meeting that will enable the participants to discuss about their topics of mutual interest in a friendly atmosphere that foments collaboration.

The leitmotif of this (second) edition of the Workshop will be “the Chern-Simons theory and its application in physics”. The preliminary list of speakers includes:

The action for higher spin black holes in three dimensions
Máximo Bañados (UC, Santiago de Chile)

Holographic renormalization in 3D gravity with Chern-Simons and higher-curvature terms
Andrés Goya (UBA, Buenos Aires)

Chern-Simons supergravity
Mokhtar Hassaine (UTalca, Talca)

$N \geq 2$ Chern-Simons theories with matter
Matías Leoni (UBA, Buenos Aires)

Chern-Simons action for Virasoro algebra
Mauricio Leston (IAFE)

Holography and 3D gravity with propagating torsion
Olivera Misković (PUCV, Valparaíso)

All the spherically symmetric solutions of Chern-Simons gravity in arbitrary (odd) dimensions
Julio Oliva (UBA, Buenos Aires & UCh, Valdivia)

Vortex solutions of the Lifshitz-Chern-Simons theory
Ignacio Salazar (UNLP, La Plata)

Chern-Simons supergravity without gravitini
Jorge Zanelli (CECs, Valdivia)

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Precise location: - Oct. 16th, Room: Aula de seminarios, 2^{do} piso, pabellón I, 10:00 hs.
- Oct. 17th, Room: Aula Federman, 1^{er} piso, pabellón I, 10:00 hs.

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Web-page: www. <http://ngrandi.wix.com/journey#!home/mainPage>