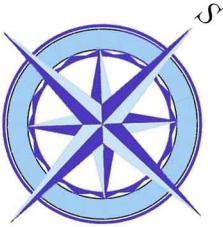


Centro de Física y Matemática de América del Sur

CEFIMAS



RUMBOS DE LA FÍSICA TEÓRICA IV

TRENDS IN THEORETICAL PHYSICS IV

Buenos Aires, April 30 – May 5

PROGRAM

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
09.30	A. Gaumé	A. Gaumé	A. Gaumé	Berkovits	Berkovits	
10.30	<i>coffee break</i>					
11.00	Alfaro	Sassot	Sciutto	Kozameh	Sorella	Zaldarriaga
12.00	Julia	Julia	Delgado	Carena	Carena	Closing
13.00	Lunch	Lunch	Lunch	Lunch	Lunch	
15.00	Grojean	Grojean	Russo	Baulieu	Asorey	
16.00	Aragão	Gamboa	Pérez	Zaldarriaga	Zaldarriaga	
17.00	<i>coffee</i>	<i>coffee</i>	<i>coffee</i>	<i>coffee break</i>	<i>coffee break</i>	
17.15				Randall	Randall	

Lecturers

Jorge Alfaro, PUC, Chile

Quantum Gravity and Maximum Attainable Velocities in the Standard Model

Luis Alvarez Gaumé, CERN, Switzerland

Critical Phenomena in Gravity and Gauge Theories

Carlos Aragão de Carvalho, UFRJ, Brazil

To be announced

Manuel Asorey, U. de Zaragoza, Spain

Edge Renormalization: Relevance in the margin

Laurent Baulieu, U. de Paris 6, France

Shadows, twisted variables and renomalization of supersymmetric theories

Nathan Berkovits, IFT, Brazil

Applications of the Pure Spinor Formalism for the Superstring

Marcela Carena, Fermilab, USA

To be announced

Antonio Delgado, CERN, Switzerland

Revisiting gauge mediation

Jorge Gamboa, USACH, Chile

Lorentz invariance violation in particle physics and cosmology

Christophe Grojean, CERN, Switzerland

Beyond the Higgs: New Approaches to Electroweak Symmetry Breaking

Bernard Julia, ENS, France

1-The power of dualities

2 From gravitational self-duality to duality with dark energy

Carlos Kozameh, U. de Córdoba, Argentina

Light propagation on quantum curved spacetime and back reaction effects

Alejandro Pérez, U. Aix-Marseille, France

Introduction to loop quantum gravity

Lisa Randall, Harvard U., USA

To be announced

Jorge Russo, U. de Barcelona, Spain

Non-renormalization theorems in type II string theory and maximal supergravity

Rodolfo Sassot, UBA, Argentina

Hadronization within perturbative QCD

Sergio Sciutto, UNLP, Argentina

Hadronic interactions and air shower development

Silvio Sorella, UERJ, Brazil

Understanding gluon confinement

Matías Zaldarriaga, Harvard U., USA

Cosmology present status and future prospects

Public Conference
Otros Universos dentro y fuera del nuestro
Prof. Matías Zaldarriaga
Friday, May 4, at 7.00 pm

This will be a Conference on Physics/Cosmology addressed to a general public, including high school students.

CEFIMAS
Ave. Santa Fe 1145, 4to p.
(54-11) 4816-4745/5406
1059 Buenos Aires