

WORKSHOP ON NONEXTENSIVE STATISTICAL MECHANICS AND INTEGRABLE SPIN CHAINS

List of Speakers

Ramón F. Álvarez-Estrada
(Universidad Complutense de Madrid, Spain)
Alberto Enciso
(ICMAT, Consejo Superior de Investigaciones Científicas, Spain)
Artemio González-López
(Universidad Complutense de Madrid, Spain)
Ángel R. Plastino
(Universidad Nacional de la Plata, Argentina)
Antonio Rodríguez
(Universidad Politécnica de Madrid, Spain)
Guiomar Ruiz
(Universidad Politécnica de Madrid, Spain)
Piergiulio Tempesta
(Universidad Complutense de Madrid, Spain)
Stefan Thurner
(Medical University Vienna, Austria,
and Santa Fe Institute, USA)
Constantino Tsallis
(Centro Brasileiro de Pesquisas Físicas, Brasil,
and Santa Fe Institute, USA)

Organizing Committee

Federico Finkel
Artemio González-López
Miguel A. Rodríguez
Piergiulio Tempesta

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Universidad Complutense de Madrid,
Spain*



UNIVERSIDAD COMPLUTENSE
MADRID

March 17, 2011

**Facultad de Ciencias Físicas
Universidad Complutense de Madrid
Madrid, Spain**

WORKSHOP ON NONEXTENSIVE STATISTICAL MECHANICS AND INTEGRABLE SPIN CHAINS

Facultad de CC. Físicas, UCM, Madrid, Spain
March 17, 2011

Time	Talk ^(*)
9:30	C. Tsallis: Exploring the region where the hypothesis validating Boltzmann-Gibbs statistical mechanics are not satisfied
10:30	Coffee break
11:00	A. González-López: Spin chains of Haldane-Shastry type: an overview
12:00	A. Rodríguez: Scale invariant probabilistic model having two dimensional q -Gaussians as $N \rightarrow \infty$ limiting distribution
12:40	P. Tempesta: Group entropies: a route from statistical mechanics to number theory
13:20	Lunch
15:30	R.F. Álvarez-Estrada: Characterization of probability densities, q -Fourier transform and a nonlinear moment problem
16:10	A. Enciso: The eigenvalues of spin chains of Haldane-Shastry type are normally distributed
16:50	G. Ruiz: Time-evolving statistics of chaotic orbits of conservative maps in the context of central limit theorem
17:30	Coffee break
17:50	A.R. Plastino: Entropic entanglement criteria for fermion systems
18:30	S. Thurner: <i>TBA</i>

(*) The inaugural talk (9:30–10:30) will take place at the “Sala de Grados” of the “Facultad de CC. Físicas” of the UCM (1st floor). The rest of the talks and the coffee breaks will be held in the seminar room of the “Departamento de Física Teórica II”, located on the 2nd floor (west wing).